



معاونت بین الملل

**هفتمین اجلاس رؤسای دانشگاه‌های سطح یک
جمهوری اسلامی ایران و فدراسیون روسیه**

(۲۹-۳۰ بهمن ۱۴۰۳)

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

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مقدمه

همجواری جغرافیایی، اشتراکات فرهنگی و تاریخی و روابط راهبردی جمهوری اسلامی ایران و فدراسیون روسیه، زمینه‌ای مستحکم برای توسعه همکاری‌های علمی و دانشگاهی فراهم کرده است. این پیوند عمیق، امروز بیش از هر زمان دیگری نیازمند گسترش و نهادینه‌سازی است تا از طریق آن، دو کشور بتوانند به پیشرفت‌های چشمگیری در علم و فناوری و نوآوری دست یابند. دانشگاه‌ها به عنوان موتور متحرک توسعه علمی، نقش کلیدی در این فرآیند دارند. تمایل به همکاری بیشتر در سال‌های اخیر به ویژه در زمینه‌های علمی و فناوری به شکل‌گیری اجلاس دانشگاه‌های برتر (سطح یک) ایران و روسیه به ابتکار رؤسای وقت دانشگاه تهران و دانشگاه دولتی مسکو لومونوسوف از سال ۱۳۹۴ (۲۰۱۵) انجامید. دبیرخانه برگزاری اجلاس دانشگاه‌های برتر ایران و روسیه در ایران بر عهده دانشگاه تهران و در روسیه بر عهده دانشگاه دولتی مسکو (لومونوسوف یا ام گ او) است.

برگزاری شش دوره اجلاس دانشگاه‌های برتر دو کشور، نتایجی همچون تبادل اعضای هیأت علمی و دانشجویان، اعزام به فرصت‌های مطالعاتی و برگزاری مدارس تابستانه، استفاده از امکانات آزمایشگاهی متقابل و برگزاری پژوهش‌های مشترک را به همراه داشته است که با توجه به ظرفیت‌های عظیم دو کشور همسایه - ایران و روسیه - به توسعه بیشتری نیاز دارد.

در حال حاضر دانشگاه تهران بیش از ۳۰ تفاهم‌نامه همکاری با دانشگاه دولتی مسکو، سنت پترزبورگ، کازان، گوبکین، تیومن و سایر دانشگاه‌های روسیه دارد. محورهای توافق‌شده تفاهم‌نامه‌ها و نیز هفت دوره برگزاری اجلاس در ایران و روسیه عبارتند از:

- اجرای پروژه‌های مشترک علمی، پژوهشی و آموزشی و کاربردی
- بهره‌مندی از تجربیات بین‌المللی برای مدیریت دانشگاه‌ها
- همکاری دانشگاه‌های دو کشور برای کسب رتبه‌های علمی بین‌المللی
- گسترش آموزش زبان فارسی در دانشگاه‌های روسیه و آموزش زبان روسی در دانشگاه‌های ایران
- استفاده از ظرفیت آموزش‌های مجازی
- برگزاری جلسات کمیته برگزاری اجلاس دانشگاه‌های ایران و روسیه
- ایجاد مراکز مطالعات ایران‌شناسی و روسیه‌شناسی و کارگاه‌های علمی مشترک
- برگزاری آزمون‌های استاندارد زبان روسی در دانشگاه تهران
- تبادل استاد و دانشجو
- برگزاری دوره‌های مشترک آموزشی
- برگزاری کارگاه‌های آموزشی
- انتشار کتاب‌های مشترک
- تعمیق همکاری‌ها در حوزه‌هایی از قبیل مهندسی هوافضا، علوم ریاضی، علوم پایه، علوم پزشکی و زیستی، آزمایشگاهی، شیلات و محیط زیست

- ایجاد یک صندوق و تخصیص بودجه مشترک برای پروژه‌های تحقیقاتی
 - همکاری کتابخانه‌های دو کشور به منظور دسترسی دانشجویان و محققین دو کشور به منابع علمی
 - برگزاری فستیوال‌های مشترک علمی، فرهنگی و ورزشی
 - لغو شهریه دانشجویان در دو کشور در طرح تبادل دانشجو
 - امکان استفاده دانشجویان دانشگاه‌های ایران و روسیه از امکانات آزمایشگاهی متقابل
 - برگزاری جلسات بزرگداشت چهره‌های علمی و فرهنگی دو کشور
 - تأسیس شعبه بنیاد روسکی‌میر در دانشگاه تهران با هدف توسعه علمی و فرهنگی بین دو کشور
 - تأسیس دفتر نمایندگی دانشگاه سنت‌پترزبورگ در دانشکده مطالعات جهان دانشگاه تهران
 - تأسیس رشته زبان فارسی و ایران‌شناسی در دانشگاه دولتی سنت‌پترزبورگ
 - امضای تفاهم‌نامه تدوین دانشنامه ایرانی (ایرانیستیکا) فیما بین دانشگاه تهران و دانشگاه سنت‌پترزبورگ
 - تأسیس مرکز مطالعات و پژوهش‌های ایرانی در دانشگاه سنت‌پترزبورگ
- در دور هفتم برگزاری این اجلاس، علاوه بر اجرایی شدن موارد فوق، در خصوص اجرایی شدن بندهای شماره ۳۰، ۳۱ و ۳۲ توافق‌نامه جامع راهبردی ایران و روسیه بین رؤسای جمهور دو کشور در سال ۱۴۰۳ تأکید شد (پیوست ۱)، که یک تفاهم‌نامه همکاری جامع بین دانشگاه تهران و دانشگاه مسکو از طرف دانشگاه‌های سطح یک دو کشور امضا شود. همچنین مقرر شد کمیته دائمی همکاری دانشگاه‌های سطح یک ایران و روسیه با محوریت دانشگاه تهران در ایران و دانشگاه مسکو در روسیه و حداکثر با حضور پنج دانشگاه سطح یک از هر دو طرف تشکیل شود. امید است دستاوردهای این اجلاس در ارتقاء فعالیت‌های پژوهشی و علمی مشترک دانشگاه‌های برتر دو کشور مؤثر بوده و رشد و توسعه بیشتری برای دو کشور ایران و روسیه و نهایتاً منطقه و جهان به ارمغان آورد.

الهام امین‌زاده

معاون بین‌الملل دانشگاه تهران

و مسئول برنامه‌ریزی اجلاس رؤسای دانشگاه‌های سطح یک

جمهوری اسلامی ایران و فدراسیون روسیه



هفتمین اجلاس رؤسای دانشگاه‌های سطح یک ایران و روسیه



VII Форум ректоров ведущих университетов Ирана и России

17-18 февраля 2025 г.

۱۴۰۳ بهمن ۲۹-۳۰

ارزیابی، آسیب‌شناسی و هدف‌گذاری اجلاس هفتم رؤسای دانشگاه‌های سطح یک ایران و روسیه
باتوجه به اینکه مقرر شد در تاریخ ۲۹ بهمن ۱۴۰۳ اجلاس هفتم رؤسای دانشگاه‌های سطح یک ایران و روسیه به
میزبانی دانشگاه تهران به عنوان دبیرخانه اجلاس در شهر تهران برگزار گردد، برنامه‌ریزی کیفی اجلاس برای دستیابی
به بهترین دستاورد علمی و عملی از سال ۱۴۰۲ آغاز شد و با جلسات و مشورت‌های لازم بین دانشگاه‌های ایران و نیز
سفارت و رایزنی جمهوری اسلامی ایران در مسکو و وزارت امور خارجه، برنامه‌ریزی لازم انجام شد.

اهداف تعیین‌شده برای اجلاس هفتم

- آسیب‌شناسی و شناسایی نقاط ضعف و قوت با بررسی اجلاس گذشته به منظور بهتر برگزار شدن اجلاس
آتی با هدف عملیاتی شدن توافقات
- بررسی چالش‌های موجود در توسعه همکاری‌ها
- شناسایی و معرفی ظرفیت‌های فعال دانشگاه‌های دو کشور برای ایجاد راهبرد مشخص در همکاری‌های متقابل
و تقسیم کار با هدف هم‌افزایی و هماهنگی
- همکاری با دانشگاه‌های روسیه در حوزه‌های فناوری فضایی، حمل و نقل، انرژی و دیپلماسی انرژی، دریانوردی،
مدیریت بحران، منابع مالی پایدار، مخابرات، فولاد و ذوب آهن، آب، محیط زیست و تغییرات اقلیمی، علوم
زمین، علوم پایه، هوش مصنوعی، علوم انسانی، زبان و ادبیات، مدیریت زمین و مسکن، کوانتوم، کشاورزی و...
- ارائه گزارش همکاری‌های موفق با روسیه توسط دانشگاه‌های سطح یک ایران
- پیشنهادات و چالش‌های موجود در همکاری با دانشگاه‌های سطح یک روسیه

اجلاس هفتم رؤسای دانشگاه‌های سطح یک ایران و روسیه

تدوین برنامه کلی اجلاس هفتم (زمان، مکان، میهمانان ایرانی و روسی، صدور دعوتنامه، ویزا، اسکان، تردد، بازدیدها و ضیافت‌ها، امنیت، سخنران‌ها و ...) از سال ۱۴۰۲ آغاز شد و ابتدا جلسه معارفه و هماهنگی با حضور معاون بین‌الملل، معاون آموزشی و رؤسای برخی واحدهای دانشگاه تهران و نیز برخی رؤسا، معاونان و مدیران دانشگاه‌های سطح یک روسیه در محل هتل اسپیناس برگزار گردید و سپس میهمانان با میزبانی جناب آقای دکتر زاکانی، شهردار تهران در برج میلاد حضور پیدا کرده و از موزه برج بازدید کردند.



اهم موضوعات بررسی شده در اجلاس هفتم

اهم موضوعات بررسی شده در اجلاس هفتم از قرار ذیل می‌باشد:

- ۱- آسیب‌شناسی و شناسایی نقاط ضعف و قوت با بررسی اجلاس گذشته به منظور بهتر برگزار شدن اجلاس آتی با هدف عملیاتی شدن و سودمندتر بودن نشست برای تقویت دیپلماسی علمی
- ۲- با توجه به نقشه علمی کشور، جلوگیری از موازی‌کاری با هدف هم‌افزایی و هماهنگی و تقسیم‌کار بین دانشگاه‌های ایران در ارتباط با دانشگاه‌های روسیه
- ۳- محورهای پیشنهادی همکاری با روسیه می‌توانند شامل فناوری فضایی، حمل و نقل، انرژی و دیپلماسی انرژی، دریانوردی، مدیریت بحران، منابع مالی پایدار، مخابرات، همکاری پارک‌های علم و فناوری و شرکت‌های دانش بنیان و مراکز رشد، کریدور جنوب به شمال برای توسعه تجارت با حوزه اوراسیا، هوش مصنوعی، فولاد و ذوب آهن، آب، محیط زیست و تغییرات اقلیمی، علوم زمین، علوم پایه، زبان و ادبیات، مدیریت زمین و مسکن، کوانتوم، کشاورزی و ... باشند.
- ۴- بررسی همکاری‌های دو جانبه، چند جانبه و بین‌المللی
- ۵- استفاده از ظرفیت‌های روسیه در علوم پایه، هوش مصنوعی، علوم انسانی، استفاده از آزمایشگاه‌های مجهز و تخصصی، ترجمه متون روسی به زبان فارسی و بالعکس
- ۶- جهت‌گیری برای مطالعات منطقه‌ای، تهیه مقالات علمی-پژوهشی و ارائه خط‌مشی از طرف دانشگاه‌های کشور به مراکز دولتی، سیاسی و اقتصادی- ایجاد روابط دوجانبه و چندجانبه بین دانشگاه‌ها و دولت‌ها
- ۷- تبدیل تهدید تحریم‌ها به فرصت جهت توسعه روابط علمی و فناوری با دانشگاه‌ها، مرکز آموزش عالی، پژوهشی و فناوری روسیه
- ۸- توجه به نظام رتبه‌بندی و اعتباربخشی در همکاری با دانشگاه‌های روسیه
- ۹- به اشتراک‌گذاری منابع و یافته‌های علمی و فناوری و دسترسی به پایگاه‌های داده طرفین
- ۱۰- تقویت تبادل دانشجو با دانشگاه‌های روسیه و جلوگیری از اعزام دانشجویان توسط مؤسسات غیرمجاز
- ۱۱- بررسی راه‌کارهای همکاری‌های فنی و مهندسی فی‌مابین ایران و روسیه از طریق همکاری کنسرسیوم پنج دانشگاه صنعتی (UT5+1) ایران شامل دانشگاه‌های صنعتی شریف، صنعتی امیرکبیر، علم و صنعت، صنعتی اصفهان و دانشگاه صنعتی خواجه نصیرالدین طوسی به همراه دانشگاه تهران به عنوان بزرگترین دانشگاه جامع ایران
- ۱۲- برگزاری مسابقات فرهنگی و علمی، بازدید و تور مجازی با استفاده از واقعیت مجازی (VR)، برگزاری نمایشگاه اسناد تاریخی جزایر سه‌گانه خلیج فارس، پرداختن به ۵۵۰ امین سالگرد روابط ایران و روسیه در کنار برگزاری اجلاس هفتم
- ۱۳- توجه به تجار روس برای سرمایه‌گذاری روی محصولات ایرانی

چالش‌های بررسی شده در خصوص اجلاس رؤسای دانشگاه‌های برتر ایران و روسیه در جلسه ۱۴۰۳/۸/۲۳

شامل موارد زیر بود:

- ۱- عدم آشنایی روسیه با فرهنگ ایران و بالعکس
- ۲- عدم تسلط به زبان روسی و زبان فارسی در دو کشور
- ۳- عدم آشنایی دانشگاه‌های سطح یک هر دو کشور با هم
- ۴- مشخص نبودن استراتژی در همکاری علمی با روسیه

در این اجلاس، رؤسای دانشگاه‌های روسیه شامل دانشگاه‌های فدرال اورال، دانشگاه علوم و فناوری اوف، دانشگاه دولتی داغستان، دانشگاه دولتی اوستیای شمالی، دانشگاه دولتی سواستوپل و دانشگاه دولتی ولادیمیر و معاون بین‌الملل دانشگاه دولتی مسکو (لامانوسف)، مدیر مؤسسه انرژی دانشگاه پلی‌تکنیک سن‌پترزبورگ، مشاوران و معاونان بین‌الملل دانشگاه‌های فدرال اورال و یوفا شرکت نمودند. از جمهوری اسلامی ایران دانشگاه تهران، دانشگاه علم و صنعت، دانشگاه صنعتی شریف، دانشگاه علامه طباطبائی، دانشگاه تربیت مدرس، دانشگاه شهید بهشتی، دانشگاه فردوسی مشهد، دانشگاه شیراز، دانشگاه صنعتی اصفهان، دانشگاه صنعتی امیرکبیر، دانشگاه جامع امام حسین (ع)، دانشگاه اصفهان، دانشگاه خواجه نصیرالدین طوسی، دانشگاه شهید چمران اهواز، دانشگاه تبریز و دانشگاه مازندران در این اجلاس شرکت نمودند.





در جلسه افتتاحیه در روز ۲۹ بهمن ۱۴۰۳، در باغ موزه نگارستان دانشگاه تهران، آقای دکتر سیمایی صراف، وزیر علوم، تحقیقات و فناوری، آقای دکتر سنایی، مشاور سیاسی رئیس جمهور و معاون سیاسی دفتر رئیس جمهور، آقای دکتر کنستانتین موگی لوسکی، معاون وزیر علوم کشور روسیه، آقای دکتر کاظم جلالی، سفیر جمهوری اسلامی ایران در روسیه، آقای دکتر سید حسین حسینی، سرپرست دانشگاه تهران، خانم دکتر الهام امینزاده، معاون بین‌الملل دانشگاه تهران و آقای دکتر جان‌الله کریمی مطهر، دبیر اجلاس مسئول برنامه‌ریزی اجلاس، بر ضرورت جدی همکاری عملیاتی و تنگاتنگ دانشگاه‌های دو کشور بر انجام رسالت همکاری‌های دوجانبه و یا در چهارچوب سازمانی، منطقه‌ای و فرمانطقه‌ای تأکید نمودند. از جمله محورهای پیشنهادی در جلسه افتتاحیه عبارت بودند از:

- تأکید بر اجرایی شدن مفاد توافقنامه جامع راهبردی ایران و روسیه که در ۱۷ ژانویه ۲۰۲۵ توسط رؤسای جمهور ایران و روسیه برای تقویت روابط علمی، اقتصادی و نظامی امضا شد. اجرای مواد ۳۰، ۳۱ و ۳۲ توافقنامه در خصوص توسعه و تقویت روابط بلندمدت و سازنده تحصیلات عالی، علوم، فناوری و نوآوری بین ایران و روسیه، اجرای پروژه‌های علمی و فنی مشترک، برقراری تماس‌های مستقیم بین مؤسسات آموزشی و علمی دو کشور، تدوین و اجرای برنامه‌ها و پروژه‌های مشترک علمی، فنی و تحقیقاتی، تبادل اعضای هیأت علمی و دانشجویان، اطلاعات علمی و فنی، ادبیات علمی، نشریات ادواری و کتاب‌شناسی، تعامل و تبادل نظر و تجربیات در زمینه کاوش و بهره‌برداری از فضای ماورای جو برای مقاصد صلح‌آمیز، چاپ و نشر و ترویج ادبیات فارسی و روسی
- تغییر رویه از تمرکز جوانان ایرانی شاغل به تحصیل در زمینه پزشکی و دندانپزشکی به سایر رشته‌ها در دانشگاه‌های

روسیه



- فعال شدن دانشگاه‌های دو کشور در فعالیت‌های علم و فناوری حوزه پیمان‌های بریکس و شانگهای برای مقابله با یکجانبه‌گرایی برخی از کشورها
- حضور گسترده رؤسای دانشگاه‌های سطح یک ایران نیز باعث شکل‌گیری تعامل گسترده علمی دو کشور شده بود. مذاکرات و انعقاد تفاهم‌نامه‌های متعددی بین دانشگاه‌های ایران و روسیه صورت گرفت که افق روشنی از ارتقاء فعالیت‌های علمی در آینده را ترسیم می‌کند.
- در سخنرانی‌های مسئولین وزارت علوم، تحقیقات و فناوری ج.ا. ایران، وزارت علوم روسیه، دانشگاه تهران، دانشگاه‌های روسیه و معاون آموزش و پژوهش وزیر محترم امور خارجه بر موارد زیر تأکید شد:

 - ۱- انجام آسیب‌شناسی عدم تحرک لازم در تعاملات دانشگاهی دو کشور
 - ۲- افزایش تعامل اعضای هیأت علمی دو کشور با یکدیگر
 - ۳- تسهیل تردد اعضای هیأت علمی و دانشجویان ایرانی و روسی از طریق مساعدت‌های کنسولی و صدور ویزا
 - ۴- استفاده از ابزار علم در خدمت به صلح و رفاه بشری
 - ۵- تشکیل کمیته دائم پیگیری اجلاس رؤسای دانشگاه‌های سطح یک ایران و روسیه شامل نمایندگان دانشگاه تهران (رئیس دبیرخانه دانشگاه‌های سطح یک ایران و روسیه)، دانشگاه صنعتی شریف، دانشگاه امیرکبیر، دانشگاه علم و صنعت، دانشگاه صنعتی اصفهان و دانشگاه شهید بهشتی، در ایران و چهار دانشگاه در روسیه به انتخاب دانشگاه مسکو و برگزاری جلسات منظم برای پیگیری توافقات انجام شده
 - ۶- تأسیس پارک علم و فناوری مشترک بین ایران و روسیه

- ۷- تهیه نقشه راه تعاملات دانشگاهی ایران و روسیه
- ۸- دانشگاه تهران به عنوان یک دانشگاه جامع از خزر تا خلیج فارس، فعالیت‌های آموزشی و پژوهشی خود را ادامه می‌دهد و در عرصه بین‌المللی نقش آفرینی می‌کند. این دانشگاه در سال ۲۰۲۵ در نظام رتبه‌بندی تایمز در رتبه ۵۰۰-۴۰۱ و در نظام رتبه‌بندی کیو اس دارای رتبه ۳۶۸ بوده و با داشتن بیش از ۵۰۰۰۰ دانشجو و ۲۳۰۰ عضو هیأت علمی و ۱۷۰۰ دانشجوی بین‌المللی از بیش از ۳۰ کشور جهان، دارای ۱۹ قطب علمی، شش کرسی یونسکو، ۱۴ مرکز تحقیقاتی و ۲۳ مؤسسه پژوهشی، ۷ دانشکده وابسته و ۱۹ دانشکده مستقل و ده شعبه در سطح کشور است و تاکنون با عقد بیش از ۷۷۰ تفاهم نامه با دانشگاه‌ها و مراکز آموزش عالی، پژوهشی و فناوری معتبر جهان، ارتباطات گسترده بین‌المللی را ایجاد نموده است.
- ۹- همجواری جغرافیایی، اشتراکات فرهنگی و تاریخی و روابط راهبردی ایران و روسیه، زمینه‌ای مستحکم برای توسعه همکاری‌های علمی و دانشگاهی فراهم کرده است. این پیوند عمیق، امروز بیش از هر زمان دیگری نیازمند گسترش و نهادینه‌سازی است تا از طریق آن، دو کشور بتوانند به پیشرفت‌های چشمگیری در علم و فناوری و نوآوری دست یابند. دانشگاه‌ها به عنوان موتور متحرک توسعه علمی، نقش کلیدی در این فرآیند دارند.
- ۱۰- با توجه به روابط مثبت بین دولت‌ها، گسترش ارتباطات بین دانشگاهیان و دانشجویان دو کشور باید بیش از گذشته مورد توجه قرار گیرد.



- ۱۱- دانشگاه تهران گرچه به صورت رسمی در سال ۱۳۱۳ تأسیس شده است، در واقع میراث‌دار ۱۷۵۰ سال پیشینه تاریخی، سنت‌های علمی، آموزشی و دانشگاهی در ایران است و خود الهام‌بخش تأسیس ده‌ها دانشگاه نوین و پرافتخار در کشور ما شده است.
- ۱۲- با توجه به بحران‌های سیاسی، اقتصادی، اجتماعی، مشکلات محیط زیستی، تغییرات اقلیمی و منازعات منطقه‌ای، جهان امروز به دلیل این مسائل در موقعیتی بسیار حساس به سر می‌برد و نظم جهانی زیر سایه شوم جنگ و جهل در شرایطی شکننده و آسیب‌پذیر قرار گرفته است، در چنین شرایطی مسئولیت اجتماعی دانشگاهیان، دانشمندان و پیشاهنگان علمی بیش از پیش ایجاب می‌کند تا با استفاده از دیپلماسی علمی تمام توان خود را برای افزایش سطح آگاهی جامعه به کار بسته و از این رهگذر جهان ناآرام را با گسترش عقلانیت و افزایش سطح آگاهی عمومی و اجتماعی به سوی آرامش و آسایش رهنمون سازند.
- ۱۳- امروز به‌عینه شاهدیم که چگونه مشکلات درهم‌تنیده جهانی، مراکز علمی و دانشگاهی و حتی بیمارستان‌ها و مراکز درمانی را تحت تأثیر قرار داده و استادان و پژوهشگران را از دسترسی آزاد به اطلاعات و داده‌های علمی باز داشته است.
- ۱۴- در چنین شرایطی بهره‌گیری از دیپلماسی علمی و افزایش همکاری دانشگاهی و گسترش ارتباطات فرهنگی و تمدنی می‌تواند مسیر ما را به سوی حل مشکلات هموار سازد.
- ۱۵- دیپلماسی علمی و گسترش همکاری‌های دانشگاهی می‌تواند نظام سلطه را از شرایط حاکم بر جهان آگاه ساخته، از بسته‌شدن درهای گفتگو پیشگیری کرده و دنیا را نسبت به مخاطرات محیط زیستی آگاه نماید.
- ۱۶- گسترش روابط دانشگاه‌های برتر ایران و روسیه، همواره یکی از رسالت‌های وزارت علوم فدراسیون روسیه بوده و روسیه تمام تلاش خود را برای تعمیق روابط علمی و پژوهشی با دانشگاه‌های ایران به کار خواهد بست.
- ۱۷- روابط جمهوری اسلامی ایران و روسیه بر دو ستون همسایگی و رویکردهای مشترک دو کشور نسبت به موضوعات بین‌المللی شکل گرفته است. رویکردهای نوین از قبیل مبارزه با یک‌جانبه‌گرایی و انحصارطلبی در عرصه جهانی، نقش دادن به همه کشورها در مدیریت جهانی و استقلال‌طلبی ایران و روسیه از جمله موضوعاتی است که مواضع ایران و روسیه را به هم نزدیک‌تر کرده است.
- ۱۸- استحکام روابط ایران و روسیه مستلزم کار جدی در دو مقوله فرهنگ و اقتصاد است. "خوش‌بختانه موافقت‌نامه فرهنگی دو کشور در مجالس مربوطه تصویب شده و در حال اجرا است.
- ۱۹- بر اساس توافق جامع راهبردی ایران و روسیه، همکاری‌های علمی، دانشگاهی جایگاه بسیار ویژه‌ای دارد و آنچه که در مقطع کنونی ضرورت دارد، این است که اساس مدیریت روابط باید در دست نخبگان و دانشگاهیان دو کشور باشد. از این رو این اجلاس، اهمیت دارد و دانشگاهیان باید به کارگزاران سیاست خارجی خط بدهند که در چه حوزه‌ای، چگونه کار کنند.
- ۲۰- یکی از چالش‌های پیش روی رابطه دو کشور، تاریخ است. در مقاطعی از تاریخ، دو کشور دچار چالش‌هایی بوده‌اند و متأسفانه این چالش‌ها، امروز دست‌مایه اختلاف‌افکنی در عرصه رسانه‌ای قرار می‌گیرد. در این مورد

نیز، نقش دانشگاه‌ها برای روشن شدن حقایق تاریخی بسیار مهم است. برای روشن شدن حقایق، باید اسناد تاریخی روابط دو کشور، در دسترس دانشگاهیان قرار گیرد تا با بررسی آن‌ها، روایتی مستند و صحیح از گذشته نوشته شود.

۲۱- نباید از موضوعات علوم انسانی مانند فرهنگ‌شناسی، مدیریت، اقتصاد، فلسفه، علوم ادیان، تاریخ، علوم تربیتی، روانشناسی، هنر و سایر رشته‌ها غافل شویم. اساتید ایرانی با اندوخته عظیم فرهنگی خود و سابقه درخشان در تلفیق آموزه‌های دینی با علوم انسانی و اساتید روسیه با داشتن مکاتب ذخایر و محققین ارزشمند علوم انسانی می‌توانند تعاملات علمی بسیار و آثار مشترک ماندگار در این علوم داشته باشند.

۲۲- شمار اندک دانشجویان روس در دانشگاه‌های ایران را ناشی از کم‌اطلاعی جوانان روسیه نسبت به ظرفیت‌ها و توانمندی‌های مراکز دانشگاهی ایران دانست و خواستار اطلاع‌رسانی بیشتر در این عرصه شد.

۲۳- ضرورت برقراری و توسعه تماس‌های مستقیم و عملی بین موسسات آموزشی و علمی، تدوین و اجرای برنامه‌ها و پروژه‌های مشترک علمی فنی و تحقیقاتی، تبادل اعضای هیأت علمی و دانشجویان

۲۴- ضرورت رعایت توازن در تبادل دانشجو بین ایران و روسیه با توجه به وجود حدود ۱۰۰۰۰ دانشجوی ایرانی در روسیه و حدود ۵۰ دانشجوی روسی در ایران

۲۵- سالیانه حدود ۱۵۰۰ دانشجو از ایران به روسیه می‌روند که ۱۰٪ آنها در رشته‌های پزشکی، ۸۵٪ در رشته دندانپزشکی و ۵٪ در سایر رشته‌ها به تحصیل می‌پردازند.







- ۲۶- تخصیص تعدادی بورس از طرف ایران به دانشجویان روس به منظور کمک به ترغیب پذیرش دانشجویان روس می‌تواند به آشنایی بیشتر دانشجویان روسی نسبت به دانشگاه‌های ایران کمک کند.
- ۲۷- برگزاری دوره‌های کوتاه مدت آموزشی به صورت رایگان می‌تواند به آشنایی اعضای هیأت علمی و دانشجویان روس با دانشگاه‌های ایران کمک کند.
- ۲۸- وجود خوابگاه‌های مناسب جهت استقرار دانشجویان و اعضای هیأت علمی روسی در ایران جهت کمک به افزایش آمار تعاملات علمی
- ۲۹- اصلاح فرآیند پذیرش بسیاری از دانشجویان ایرانی که در حال حاضر توسط مؤسسات غیرمجاز از دانشگاه‌های روسیه پذیرش می‌گیرند
- ۳۰- ضرورت معرفی بیشتر رشته‌هایی مانند ریز فناوری و پزشکی که دانشگاه‌های ایران در آنها مزیت نسبی دارند به دانشگاه‌های روسیه
- ۳۱- با اشاره به شش قرن ارتباط ایران و روسیه، متأسفانه به رغم ارتباط طولانی دو کشور، به شناخت کافی از یکدیگر دست نیافته‌ایم و این اجلاس فرصت مناسبی برای حصول این شناخت است.
- ۳۲- درباره نتایج ادوار گذشته آسیب‌شناسی کرده‌ایم و دریافته‌ایم که باید به گونه‌ای عمل کنیم که از این نشست‌ها نتیجه عملیاتی به دست آوریم. به همین دلیل در این دوره، پنل‌های تخصصی در حوزه‌های علوم انسانی، اجتماعی فنی مهندسی و علوم پایه برگزار خواهد شد.
- ۳۳- با توجه به اهمیت زبان روسی، هنگامی که با هدف شناخت روسیه، به سراغ کتاب‌های روسی می‌رویم، می‌بینیم که این آثار ابتدا به زبان انگلیسی و بعد به زبان فارسی ترجمه شده‌اند. در این فرآیند، روح روسی این آثار از دست می‌رود. از این رو لازم است ما ترجمه‌های مستقیم از زبان روسی به فارسی داشته باشیم تا بتوانیم کشور روسیه و نخبگان آن را دقیق‌تر بشناسیم.
- ۳۴- توسعه شبکه دانشگاهی و انتخاب پروژه‌ها در حوزه هوا-فضا، انرژی و حمل و نقل از اهداف این اجلاس است.



پنل اول: دورنما و چالش‌ها در علوم انسانی و علوم اجتماعی

پنل اول با عنوان «دورنما و چالش‌ها در علوم انسانی و علوم اجتماعی» با موضوعات ذیل برگزار گردید:

- ۱- تعامل دانشگاه علامه طباطبائی با ۲۰ دانشگاه روسیه و اجرایی شدن تفاهم‌نامه‌های موجود
- ۲- برگزاری دوره‌های آموزشی و نشست‌های علمی در دانشگاه علامه طباطبائی با دانشگاه‌ها و مؤسسات علمی

روسیه

- ۳- آموزش زبان فارسی در دوره‌های کوتاه‌مدت

- ۴- قدمت آموزش زبان روسی در دانشگاه تهران که به حدود ۹۰ سال پیش برمی‌گردد، تأثیر متقابل ادبیات

فارسی و روسی

مردم ایران همیشه در طول تاریخ حوادث و رویدادهای سیاسی، اجتماعی و ادبی روسیه را دنبال می‌کردند. ارتباطات و تعاملات ادبی ایران روسیه را می‌توان به دو دوره تقسیم کرد، اگر بعد از قرن بیستم ادبیات فارسی معاصر بیشتر تحت تأثیر ادبیات روسیه بود، ولی قبل از قرن بیستم، این ادبیات روسیه بود که تحت تأثیر ادبیات فارسی بوده است. آثار نویسندگان بزرگ ادبیات کلاسیک ایران نقش بسزایی در شکل‌گیری افکار نویسندگان بزرگ روسیه داشته است، آنان با بهره‌گیری از آثار شعرا و نویسندگان کلاسیک ایران آثار جاودانی از خود به یادگار گذاشتند.

ادبیات فارسی و فرهنگ ایرانیان به دلیل غنای خود از دیرباز بر ادبیات و فرهنگ کشورهای دور و نزدیک تأثیر عمیق بخشیده و در پرورش و شکل‌گیری افکار بسیاری از بزرگترین نویسندگان کشورهای دیگر تأثیرگذار بوده است. تاکنون حدود ۱۴۰ شاعر روسی با الهام از فرهنگ، ادبیات و آداب مشرق زمین، من جمله ایران اشعار گرانبهایی سرودند و در آثارشان برای بیان دیدگاه‌های خود از حکمت و ادبیات شرق، به خصوص ایران زمین بهره گرفتند.



پنل دوم: دورنما و چالش‌ها در همکاری‌های علمی و فناوری در حوزه علوم پایه، فنی مهندسی، کشاورزی و علوم پزشکی

پنل دوم با عنوان «دورنما و چالش‌ها در همکاری‌های علمی و فناوری در حوزه علوم پایه، فنی مهندسی، کشاورزی و علوم پزشکی» با موضوعات ذیل برگزار گردید:

۱- تأکید بر عزم جدی دانشگاه تهران به عنوان دبیرخانه اجلاس رؤسای دانشگاه‌های سطح یک ایران و روسیه در توسعه تعاملات علمی و فناوری با دانشگاه‌های برتر روسیه، افزایش تبادل اعضای هیأت علمی و دانشجویان، انتشارات مشترک، راهنمایی پایان‌نامه‌ها و رساله‌های مشترک، انجام طرح‌های مشترک تحقیقاتی، برگزاری دوره‌های مشترک آموزشی کوتاه مدت و مقطع‌دار مجازی و حضوری، برگزاری کارگاه‌های آموزشی مشترک، برگزاری کنفرانس‌ها، وبینارها، نمایشگاه‌ها و نشست‌های علمی و فناوری مشترک.

۲- تأکید بر انجام پژوهش‌های مشترک در زمینه فناوری فضایی، توسعه دریا محور، محیط زیست و تغییرات اقلیمی و آب و هوایی، مدیریت بحران، انرژی‌های پاک و تجدیدپذیر، ریزفناوری، زیست فناوری، فناوری اطلاعات و ارتباطات، حمل و نقل، صنایع فولاد، امنیت غذایی، هوش مصنوعی، آموزش‌های مهارتی و حرفه‌ای، محاسبات کوانتومی، فناوری اطلاعات مکانی، اینترنت اشیاء، مدیریت زمین و مسکن، اکتشافات معدنی و...

۳- انعقاد ۲۰ تفاهم‌نامه بین دانشگاه‌های روسی و دانشگاه صنعتی شریف

۴- انجام ۱۰ پروژه دانشگاه صنعتی شریف با دانشگاه دولتی سنت‌پترزبورگ و یک پروژه با دانشگاه دولتی تامسک روسیه

۵- برگزاری یک برنامه با مدرک مشترک با دانشگاه پلی‌تکنیک تامسک

۶- آسیب‌شناسی عدم موفقیت‌آمیز بودن تفاهم‌نامه‌ها و قراردادهای با توجه به امضای حدود ۱۶۰ تفاهم‌نامه و قرارداد بین دانشگاه‌های دو کشور و عملیاتی شدن کمتر از ۱۰٪ آن‌ها

۷- اجرای تسهیلات صدور ویزا به‌صورت الکترونیکی برای اعضای هیأت علمی و دانشجویان

۸- دعوت از صنایع کوچک و بزرگ در همکاری‌های علمی بین ایران و روسیه جهت تامین مالی پروژه‌ها

۹- جشنواره اندیشمندان و دانشمندان جوان از سال ۱۳۹۶ با حمایت بنیاد علم و فناوری جمیلی ایران به صورت سالانه با همراهی دانشگاه تهران و سایر دانشگاه‌ها و مؤسسات علمی برتر کشور به عنوان رویداد علمی مورد تأیید وزارت علوم، تحقیقات و فناوری در کشور برگزار شده و با توجه به رویکرد بین‌الملل جشنواره در راستای ارتقاء و گسترش همکاری‌های بین‌المللی، علاقمند به گسترش تعاملات جشنواره با مؤسسات علمی و دانشگاه‌های روسیه می‌باشیم. هدف بنیاد جمیلی کمک به جوانان و پیشرفت آنان در حوزه علم و فناوری است. در این مسیر بنیاد مایل است با برگزاری جلسات برخط با رؤسای دانشگاه‌های روسیه حاضر در جلسه، جهت گفتگو و پیشبرد اهداف علمی دو سویه گام بردارد.

۱۰- اشتغال به تحصیل دانشجویان خارجی از بیش از ۶۰ کشور جهان در دانشگاه علم و فناوری یوفا

- ۱۱- ارائه برخی برنامه‌ها و دوره‌های آموزشی به زبان انگلیسی مانند نفت، هواپیما، هوش مصنوعی، جامعه‌شناسی و علوم انسانی، زبان‌شناسی و ژئوپارک‌ها در دانشگاه یوفا
- ۱۲- دانشگاه ولادیمیر روسیه در سال ۱۹۶۸ تأسیس شد. این دانشگاه دارای ۱۲ پردیس، ۱۸۰۰۰ دانشجو، ۱۵۰ گرایش، ۱۳۰۰ استاد و ۱۰۰۰ دانشجوی خارجی است. با دانشگاه علامه طباطبائی تفاهم‌نامه همکاری داریم. این دانشگاه یک مرکز لیزر دارد.
- ۱۳- اقدامات، دستاوردها و برنامه‌های بین‌المللی دانشگاه علم و صنعت ایران به عنوان دبیرخانه اتحادیه پنج دانشگاه فنی و مهندسی ایران (UT5) شامل دانشگاه‌های صنعتی شریف، صنعتی امیرکبیر، علم و صنعت، صنعتی اصفهان و خواجه نصیرالدین طوسی
- ۱۴- دبیرخانه دانشگاه‌های UT5 در رشته‌های هوافضا، انرژی (نفت و گاز) و انرژی هسته‌ای، علوم پایه، توسعه دریا پایه، هوش مصنوعی، علوم کاربردی، محیط زیست، ریاضی، فیزیک و... فعال است.
- ۱۵- همگرایی دانشگاه‌های مهندسی دو کشور و تخصیص اعتبارات پژوهشی به منظور انجام طرح‌های مشترک در حوزه مهندسی و فناوری میان دو کشور که زمینه‌ساز ارتباط بین اعضای هیأت علمی و انجام پژوهش‌های مشترک بین دانشگاه‌های دو کشور گردد.
- ۱۶- دانشگاه سنت پترزبورگ دارای ۵۰۰۰ دانشجوی خارجی است.
- ۱۷- اعلام آمادگی جهت همکاری در زمینه‌های امنیت سایبری، پزشکی، انرژی هسته‌ای و زبان روسی توسط دانشگاه سنت پترزبورگ
- ۱۸- شرکت روس اتم در روسیه که در زمینه فناوری هسته‌ای فعالیت می‌کند، با سازمان انرژی هسته‌ای روسیه روابط نزدیکی دارد و از ۹۸ کشور در این زمینه دانشجو دارد، برای تربیت متخصصان انرژی هسته‌ای برای ایران آمادگی دارد.
- ۱۹- ارائه گزارش پرفسور محمد عبدالاحد، استاد و رئیس پژوهشکده الکتروتکنیک سرطان و دانشگاه تهران در مورد یافته‌های جدید درمان سرطان
- ۲۰- دانشگاه شیراز دارای ۱۹۰۰۰ دانشجو، ۴۵۰ دانشجوی خارجی، ۱۵۰۰۰ فارغ التحصیل در مقاطع کارشناسی، کارشناسی ارشد و دکتری، ۶۶۰ رشته آموزشی، ۱۶ دانشکده، یک آزمایشگاه مرکزی، ۲۵۰ آزمایشگاه تخصصی، ۲۴ مجله علمی و یک باغ گیاه‌شناسی است.
- ۲۱- با توجه به توسعه برنامه‌های تبادل دانشجو و استاد در دانشگاه صنعتی امیرکبیر با دانشگاه‌های سطح یک روسیه، با تعدادی از دانشگاه‌های حاضر در هفتمین اجلاس رؤسای دانشگاه‌های سطح یک ایران و روسیه از جمله دانشگاه علم و فناوری یوفا (Ufa University of Science and Technology) برای تأمین مالی متقابل و برنامه‌ریزی برای حمایت بیشتر از اجرای این برنامه‌ها مذاکراتی انجام شد.
- ۲۲- مذاکراتی برای فراهم کردن فرصت‌های کارآموزی برای دانشجویان روسی در دانشگاه صنعتی امیرکبیر صورت گرفت.

۲۳- پیشنهاد همکاری در موضوعات فناوری فضایی، فیزیک، ریاضیات، انرژی، توسعه دریامحور، شیمی، پارک‌های علم و فناوری، اقتصاد دریا محور، منابع مالی پایدار، فناوری اطلاعات و ارتباطات، فولاد و ذوب آهن، کوانتوم، حمل و نقل (کریدور جنوب به شمال)، محیط زیست و تغییرات اقلیمی و آب و هوایی، مدیریت زمین و مسکن، فناوری فضایی، مدیریت بحران، فناوری فضایی در چهارچوب کنسرسیوم پنج دانشگاه برتر صنعتی کشور و دانشگاه تهران

۲۴- دانشگاه امام حسین (ع) دارای یک طرح جهاد علمی و جهش علمی به عنوان یک طرح ملی است که در زمینه‌های دفاعی، پدافندی و غیرنظامی، همکاری‌های پژوهشی و فناوری در زمینه پهبادهای هوش مصنوعی، کوانتوم، فیزیک، هوافضا، ماهواره‌ها، میکروالکترونیک، ریز فناوری و مواد پیشرفته و ... فعالیت می‌کند.



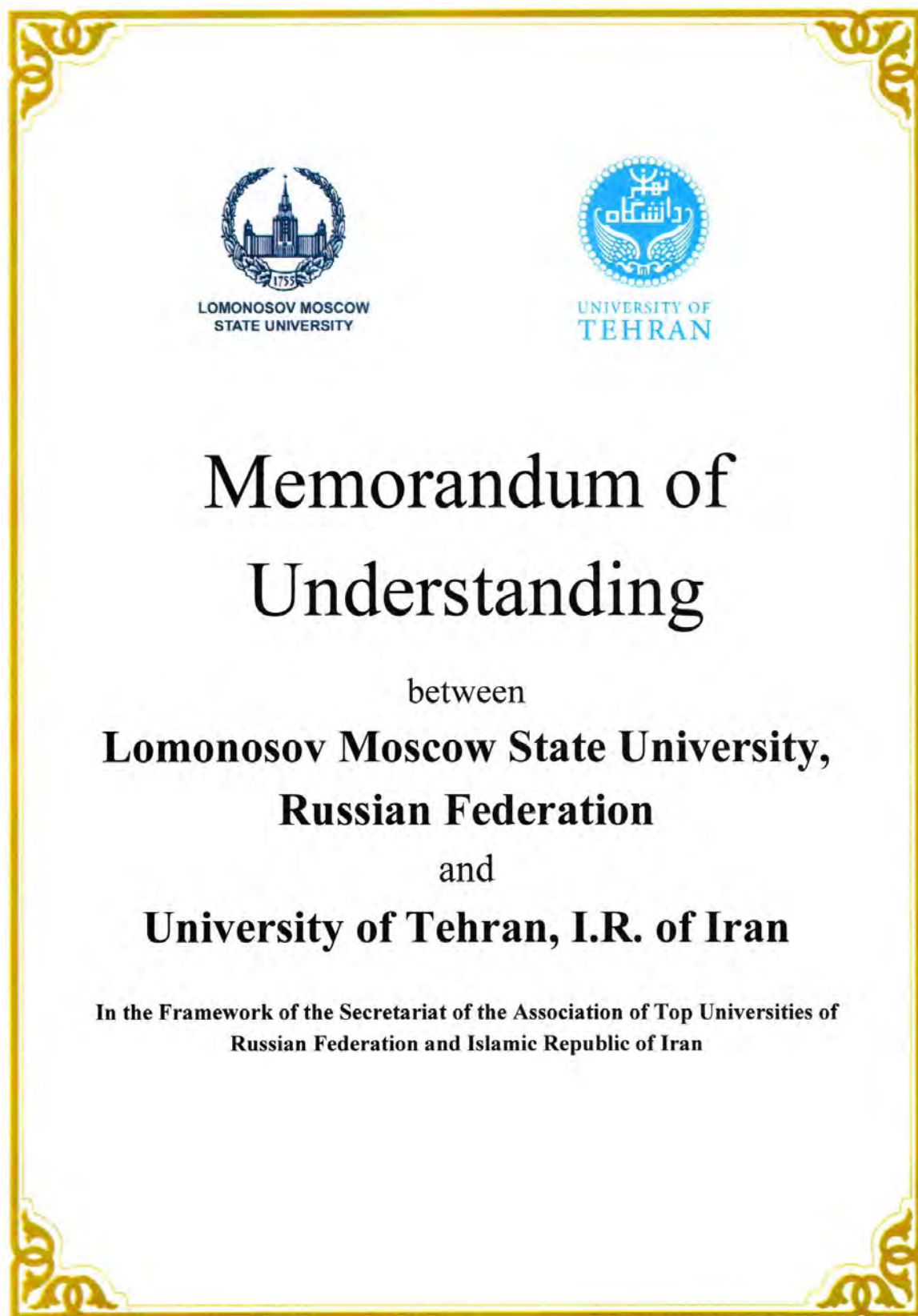
دانشگاه‌های حاضر در اجلاس، تفاهم‌نامه‌هایی با دانشگاه سطح یک روسیه منعقد نمودند. در این رابطه دانشگاه تهران و دانشگاه دولتی لومونوسف مسکو به عنوان رؤسای دبیرخانه اجلاس رؤسای دانشگاه‌های برتر ایران و روسیه، تفاهم نامه‌ای از طرف دانشگاه‌های سطح یک ایران و روسیه منعقد نمودند و دانشگاه‌های سطح یک دو کشور نیز تفاهم‌نامه‌های جداگانه‌ای امضا نمودند. نکات مهم در خصوص تفاهم‌نامه دانشگاه تهران و دانشگاه دولتی لومونوسف مسکو به شرح زیر است:

- توسعه همکاری‌های علمی
- اهم زمینه‌های همکاری مورد نظر به شرح زیر است:
- همکاری‌های علمی و فناوری جهت اجرایی نمودن سند موافقت‌نامه همکاری‌های راهبردی ایران و روسیه که به امضای رؤسای جمهور دو کشور رسیده است.
- تبادل دانشجویان و اعضای هیأت علمی
- تبادل و به اشتراک گذاری منابع علمی

- برگزاری کنفرانس‌ها، سمینارها، وبینارها و کارگاه‌های آموزشی مشترک
- انجام تحقیقات محض و کاربردی مشترک
- انتشارات مشترک
- برگزاری دوره‌های آموزشی کوتاه مدت و مقطع‌دار حضوری و مجازی با مدرک مشترک یا دوگانه
- همکاری آزمایشگاه‌ها، مراکز تحقیقاتی، کتابخانه‌ها، قطب‌های علمی و مراکز فناوری
- ایجاد پارک‌های فناوری، مراکز نوآوری و شرکت‌های دانش بنیان مشترک
- تأسیس قطب‌های علمی و مراکز یونسکوی مشترک
- راهنمایی مشترک پایان‌نامه‌های کارشناسی ارشد و رساله‌های دکتری و تحقیقات پس‌دکتری مشترک
- اعتبار بخشی، ارزیابی و بهنگام‌رسانی برنامه دوره‌های آموزشی
- همکاری در تحقیقات آینده پژوهی
- همکاری در توانمندسازی علوم و فناوری‌ها مانند علوم فضایی، فناوری اطلاعات و ارتباطات، محاسبات کوانتومی، ریزفناوری، زیست فناوری، هوش مصنوعی، اینترنت اشیاء، کشاورزی دقیق، علوم ادراکی، انرژی‌های تجدیدپذیر، فناوری‌های زمینی، شهر هوشمند و ...
- همکاری در حل چالش‌های مشترک مانند مسائل زیست محیطی، امنیت غذایی، تحریم‌های بین‌المللی، تروریسم، مهاجرت مغزها، کمبود سرمایه‌گذاری خارجی، اقتصاد دریایی، مدیریت بحران‌های طبیعی و بشرساخت، مدیریت زمین و مسکن، مالیات هوشمند، حکمرانی خوب، کریدورهای حمل و نقل، جهان چند قطبی و ...



تصویر متن کامل تفاهم‌نامه دانشگاه تهران و دانشگاه دولتی لومونوسف مسکو به عنوان رؤسای دبیرخانه اجلاس رؤسای دانشگاه‌های برتر ایران و روسیه در زیر ارائه شده است:



Lomonosov Moscow State University, Russian Federation, and University of Tehran, I.R. of Iran wishing to promote co-operation among the affiliated institutions in all aspects of academic activities, conclude this Memorandum of Understanding (MoU) within the framework of their country regulations.

1. The purpose of this MoU is to develop academic and educational cooperation and to promote mutual understanding between the parties on a basis of equality and reciprocity.
2. Areas of collaboration may be proposed by either institutions and may include, but are not limited to:
 - Exchange of students and academic staff,
 - Sharing of scientific, educational and scholarly materials and resources,
 - Organization of joint conferences, webinars, workshop, seminars, and technical exhibitions
 - Conducting joint pure and applied research and projects
 - Undertaking joint publications,
 - Establishment of dual-degree and joint-degree short term and degree-based electronic and physical educational programs,
 - Cooperation between and among parties' laboratories, libraries, research centers and innovation centers,
 - Establishment of joint science and technology parks, innovations centers, and knowledge-based companies,
 - Establishment of some joint center of excellences and Unesco Chairs,
 - Joint supervision of MSc. and PhD theses and Postdoc research,
 - Accreditation, evaluation and updating of educational programs,
 - Cooperation in future studies
 - Development of empowering science and technologies such as space technology, ICT, quantum computing, Nano technology, bio technology, artificial intelligence, cognitive sciences, renewable energies, geospatial technologies, IoT, precision agriculture, smart city,...
 - Cooperation in overcoming joint challenges such as environmental issues, food security, illegal international sanctions, terrorism, brain drain, shortage of foreign investment, marine economy, natural and man-made disasters, land management and housing development, smart taxation, good governance, transit corridors, multipolar world studies, ...

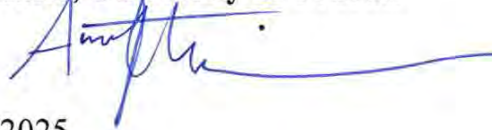
- Scientific and technological cooperation for the implementation of the Iranian–Russian Treaty on Comprehensive Strategic Partnership signed by the Presidents of the both countries
- 3. The implementation of each specific activity based on this MoU and necessary budget and any other technicalities shall be separately negotiated and determined by both parties in separate written agreements. Efforts will be made by both sides to find financial sources for carrying out the mutual activities.
- 4. Both parties agree that prior written approval is required before using the other Parties names, logos, or other intellectual property rights in any advertising or associated publicity.
- 5. Should the collaborative research activities under this MoU result in any potential for intellectual property, each party shall seek an equitable and fair agreement as to ownership and other property interests that may arise.
- 6. The parties may share certain information to the other in relation to any future proposal made under this MoU. Each party therefore agrees to respect the confidentiality and intellectual ownership of this information.
- 7. This MoU is valid for a period of five years from the date of signing by the authorized signatories of each party. The period of validity of this MoU may be extended by the mutual written consent of both parties. This MoU may only be amended or modified by a written agreement signed by the representatives of each party. Each institution may terminate this MoU by giving written notice to the other institution six months in advance. This MoU shall take effect from the date of the latest signature below. Both parties should provide annual written report to their respective headquarters of Islamic Republic of Iran and Russian Federation top universities union in their own countries.

In witness whereof, the parties hereto have caused this MoU to be executed by their duly authorized representatives. Each party shall hold one original signed MoU, with both documents being equally authentic.

Prof. Yuri Mazei,
Vice Rector for International
Affairs, Lomonosov Moscow State
University



Prof. Elham Aminzadeh,
Vice President for International
Affairs, University of Tehran



Date: 18 February, 2025

در بعدازظهر ۳۰ بهمن، هیأت روس و هیأتی از معاونت بین‌الملل دانشگاه تهران جهت بازدید از دانشگاه صنعتی اصفهان به شهر اصفهان رفتند. در این بازدید نمایندگان دانشگاه‌های روسیه آمادگی و تمایل خود را به همکاری‌های علمی بین‌المللی با دانشگاه صنعتی اصفهان را اعلام نمودند. این نشست منجر به عقد چهار تفاهم‌نامه همکاری با دانشگاه‌های برتر روسیه به شرح زیر شد:

- دانشگاه علم و فناوری یوفا
- دانشگاه پلی تکنیک سنت پترزبورگ
- انستیتو دولتی بودجه (FGBU VNIKR)
(Federal State Budgetary Institution "All-Russian Plant Quarantine Center" (FGBU «VNIKR» (Russian Federation))
- دانشگاه دولتی لومونوسف مسکو



هیأت روس از مرکز ابر رایانش ملی و آزمایشگاه صنعت ۴ دانشگاه صنعتی اصفهان بازدید نمودند و امکانات، تجهیزات و دستگاه‌ها و آزمایشگاه‌های تخصصی معرفی شدند. شرح تفصیلی بازدید در پیوست ۲ ارائه شده است.

دستاوردهای هفتمین اجلاس رؤسای دانشگاه‌های سطح یک ایران و روسیه

- امضای تفاهم‌نامه همکاری دانشگاه تهران و دانشگاه دولتی لومونوسوف مسکو به عنوان دبیرخانه دانشگاه‌های سطح یک ایران و روسیه
- تصویب تشکیل کمیته دائمی همکاری دانشگاه‌های سطح یک ایران و روسیه با محوریت دانشگاه تهران و حضور دانشگاه‌های صنعتی شریف، علم و صنعت، صنعتی اصفهان، شهید بهشتی و امیرکبیر از طرف ایران و دانشگاه دولتی لومونوسوف مسکو و چهار دانشگاه سطح یک روسیه با معرفی دانشگاه دولتی لومونوسوف مسکو
- تحلیل چالش‌ها و فرصت‌های همکاری علمی و فناوری دانشگاه‌های سطح یک ایران و روسیه
- تعیین الویت‌های آموزشی، پژوهشی و فناوری و تأکید بر اجرایی نمودن مواد ۳۰، ۳۱ و ۳۲ مفاد توافق‌نامه همکاری‌های راهبردی ایران و روسیه در زمینه همکاری‌های علمی و فناوری که به امضای رؤسای جمهور دو کشور رسیده است.
- تأکید بر همکاری دانشگاه‌های برتر دو کشور و مشارکت فعال در اتحادیه دانشگاه‌های بریکس
- تأکید بر تأسیس صندوق حمایت از همکاری‌های آموزشی، پژوهشی و فناوری مشترک، تبادل استاد و دانشجو، انتشارات مشترک، برگزاری کنفرانس‌ها، سمینارها، نشست‌های علمی و برگزاری نمایشگاه‌های مشترک
- همکاری در ایجاد یک نظام رتبه‌بندی مشترک دانشگاه‌های دو کشور
- همکاری در ایجاد مراکز پژوهشی، قطب‌های علمی، آزمایشگاه‌های مرجع، شرکت‌های دانش‌بنیان، مراکز رشد و پارک‌های علم و فناوری مشترک
- انجام پیگیری‌های لازم به منظور اجرایی شدن توافقات اجلاس
- ضرورت همکاری دانشگاه‌های سطح یک جمهوری اسلامی ایران و فدراسیون روسیه جهت اجرای توافقات چندجانبه در چهارچوب بریکس، اتحادیه کشورهای حاشیه دریای خزر و ...
- ضرورت تسهیل صدور ویزا برای اعضای هیأت علمی و دانشجویان دو کشور به صورت الکترونیکی و بدون بروکراسی اداری غیر ضروری
- تامین منابع مالی لازم جهت همکاری طرفین
- رعایت توازن در اعزام دانشجویان طرفین
- توسعه آموزش زبان فارسی در دانشگاه‌های روسیه و زبان روسی در دانشگاه‌های ایران به منظور تسهیل تعاملات علمی
- آسیب‌شناسی دلایل عدم اجرای توافقات و قراردادهای منعقد شده
- لزوم آشنایی بیشتر از دانشگاه‌های برتر ایران در روسیه و بالعکس از طریق برگزاری دوره‌های کوتاه مدت آموزشی مانند برگزاری مدارس تابستانه و زمستانه، کارگاه‌های آموزشی، وبینارها و سمینارهای مشترک
- الویت‌دادن به انجام فرصت‌های مطالعاتی دانشجویان و اعضای هیأت علمی طرفین در دانشگاه‌های دو کشور
- رعایت تراز علمی در عقد تفاهم‌نامه‌ها و قراردادهای دانشگاه‌ها

- اعتباربخشی به مدارک دانشگاه‌های طرفین
- توجه به توسعه دیپلماسی علمی در توسعه همکاری‌های دو کشور
- هماهنگی با مجتمع فولاد مبارکه اصفهان در خصوص تخصیص بودجه تحقیقاتی برای انجام پروژه‌های تحقیقاتی مشترک دانشگاه‌های سطح یک ایران و روسیه

پیوست‌ها

پیوست ۱: بندهای ۳۰، ۳۱ و ۳۲ توافق‌نامه همکاری‌های راهبردی جمهوری اسلامی ایران و

فدراسیون روسیه

ماده ۳۰:

۱- طرف‌های متعاقد به توسعه و تقویت روابط بلندمدت و سازنده در زمینه‌های تحصیلات عالی، علوم، فناوری و نوآوری، مبادرت خواهند نمود، پروژه‌های علمی و فنی مشترک را اجرا خواهند کرد و برقراری و توسعه تماس‌های مستقیم بین مؤسسات آموزشی و علمی علاقه‌مند طرف‌های متعاقد را تشویق خواهند کرد.

۲- طرف‌های متعاقد به توسعه مشارکت مستقیم میان مؤسسات آموزشی و علمی تحصیلات عالی علاقه‌مند از جمله در خصوص تدوین و اجرای برنامه‌ها و پروژه‌های مشترک علمی، فنی و تحقیقاتی، تبادل کارکنان علمی و آموزشی و دانشجویان، اطلاعات علمی و فنی، ادبیات علمی، نشریات ادواری و کتابشناسی‌ها، مساعدت خواهند نمود.

۳- طرف‌های متعاقد تبادل تجربه و اطلاعات در خصوص مسائل مربوط به تنظیم مقررات قانونی و در زمینه فعالیت‌های علمی، فنی و نوآورانه، سازماندهی و برگزاری همایش‌ها، هم‌نشست‌ها، گردهمایی‌ها، نمایشگاه‌ها، و سایر رویدادهای علمی و مشترک را تهنیل خواهند نمود.

۴- طرف‌های متعاقد یادگیری زبان‌های رسمی، مطالعه ادبیات، تاریخ و فرهنگ طرف متعاقد دیگر را در مؤسسات تحصیلات عالی خود حمایت خواهند نمود.

۵- طرف‌های متعاقد به ادامه تحصیل شهروندان خود در مؤسسات آموزشی طرف متعاقد دیگر کمک خواهند کرد.

ماده ۳۱:

طرف‌های متعاقد تعامل و تبادل نظر و تجربیات در زمینه کاوش و بهره‌برداری از فضای ماورای جو برای مقاصد صلح‌آمیز را تقویت خواهند کرد.

ماده ۳۲:

طرف‌های متعاقد روابط بین رسانه‌های جمعی و نیز در زمینه‌هایی مانند چاپ و نشر، ترویج ادبیات فارسی و روسی و گسترش روابط اجتماعی-فرهنگی، علمی و اقتصادی را از طریق تشویق آشنایی و ارتباطات متقابل بین مردم جمهوری اسلامی ایران و فدراسیون روسیه، تقویت خواهند کرد.

پیوست ۲: گزارش بازدید هیأت روس از دانشگاه صنعتی اصفهان در روز اول اسفند ۱۴۰۳

پس از سفر هیأت دانشگاه‌های روسیه به اصفهان و اقامت در هتل بین‌المللی عباسی در روز چهارشنبه اول اسفند ۱۴۰۳ طی جلساتی نمایندگانی روسیه آمادگی و تمایل به همکاری‌های علمی بین‌المللی با دانشگاه صنعتی اصفهان را اعلام نمودند. این نشست منجر به عقد چهار تفاهم‌نامه همکاری با دانشگاه‌های برتر روسیه شد:

- دانشگاه علم و فناوری یوفا
- دانشگاه پلی تکنیک سنت پترزبورگ
- انستیتو دولتی بودجه (FGBU VNIKR)

(Federal State Budgetary Institution "All-Russian Plant Quarantine Center" (FGBU «VNIKR») (Russian Federation))

- دانشگاه دولتی لومونوسف مسکو

سپس هیأت روس از مرکز ابرایانش ملی و آزمایشگاه صنعت ۴ دانشگاه صنعتی اصفهان بازدید نمودند و امکانات، تجهیزات و دستگاه‌ها و آزمایشگاه‌های تخصصی دانشگاه معرفی شدند.



در پایان گفتگوی تخصصی مهمانان روسیه و اعضای هیأت علمی دانشگاه صنعتی اصفهان صورت گرفت. سپس مهمانان دانشگاه صنعتی اصفهان را ترک نموده و از اماکن تاریخی و فرهنگی اصفهان با هماهنگی استانداری اصفهان بازدید نمودند. مراسم اختتامیه در هتل بین‌المللی چهارباغ اصفهان برگزار شد و مهمانان ساعت ۲۱ به سمت تهران حرکت نمودند.

پیوست ۳: گزارش دانشگاه پلی تکنیک سنت پترزبورگ از اجلاس رؤسای دانشگاه‌های سطح یک ایران و روسیه

Tehran University hosted the 7th Rectors' Forum of Iranian and Russian Top Universities, which took place on 17–18 February 2025. The event brought together more than 50 rectors, representatives of scientific organizations, and government officials from both countries to discuss strategies for enhancing academic and scientific cooperation.

The 7th Rectors' Forum served as a pivotal platform for advancing SPbPU's international engagement with Iranian academic and governmental partners. Following the Forum, SPbPU continued its active involvement through events such as the ISME Conference, discussions with the Iranian Minister of Energy, the Mayor of Tehran, and members of the Energy Committee of the Iranian Parliament, as well as the establishment of the first international branch campus of SPbPU in Iran under PTP.

Peter the Great St. Petersburg Polytechnic University (SPbPU) was represented by:

- Viktor Barskov, Director of the Institute of Energy;
- Mehdi Basati Panah, Associate Professor of the Institute of Energy, SPbPU, and an alumnus of Shahid Beheshti University and Peter the Great St. Petersburg Polytechnic University.

Strategic Directions in Academic Cooperation

During the forum at Tehran University, Viktor Barskov outlined key areas of potential collaboration between SPbPU and Iranian universities, including:

- Joint research in sustainable energy, renewable energy, and energy efficiency;
- Student and faculty exchange programs;
- Development of joint educational programs and specialized courses;
- Organization of summer and winter schools focused on innovative technologies.

Barskov emphasized the importance of expanding joint initiatives that combine Russian engineering excellence with Iranian technological expertise.

Proposal to Expand the Forum Format

Mehdi Basati Panah at Isfahan University of Technology proposed extending the scope of the forum to include a BRICS+ format, suggesting the inclusion of universities from other developing nations. He argued that this would enhance international knowledge exchange and create new collaborative opportunities for joint research and innovation projects.

Basati Panah shared his personal experience as a graduate of both Shahid Beheshti University (Iran) and Peter the Great St. Petersburg Polytechnic University (Russia), highlighting how cross-border education can foster long-term academic and scientific partnerships. His career exemplifies the success of such collaboration, and he expressed confidence that further strengthening ties will benefit both countries' scientific communities.

Urban Development and Municipal Collaboration

Following the Forum, the SPbPU delegation held meetings with the Mayor of Tehran, Dr. Zakani, and members of the Energy Committee of the Iranian Parliament to explore potential collaborations in urban development and municipal technological innovation. These discussions laid the groundwork for future municipal engineering projects involving SPbPU experts.

Participation in the Iranian Mechanical Engineering Conference (ISME)

In the following months after the Forum, SPbPU participated in the International Mechanical Engineering Conference (ISME), held in Tehran. A delegation led by Mehdi Basati Panah delivered a keynote speech, conducted a workshop, and presented several research papers.

During the conference, discussions were held with the Iranian Minister of Energy, Dr. Aliabadi, focusing on potential collaboration in mechanical and energy engineering fields. These interactions reinforced SPbPU's commitment to fostering technical cooperation and contributing to global engineering advancements.

Expansion of Bilateral Agreements

As part of the broader outcomes of the forum, SPbPU signed a trilateral agreement with Iran University of Science and Technology (IUST) and the Pardis Technology Park (PTP) to establish the first international branch campus of SPbPU in Iran. The new project will be realized on the basis of Pardis Technopark, the largest in West Asia, in cooperation with an alliance of leading universities in Iran, including Sharif University of Technology, Iran University of Science and Technology and Shahid Beheshti University, University of Tehran, Isfahan University of Technology and other Iranian leading universities.

- https://english.spbstu.ru/media/news/international_activities/st-petersburg-polytechnic-university-at-the-forum-of-rectors-of-leading-russian-and-iranian-universi/
- https://english.spbstu.ru/media/news/international_activities/spbpu-and-iranian-universities-unite-to-train-specialists-of-the-future/
- <https://iranpress.com/peter-the-great-st-petersburg-polytechnic-university-now-in-tehran>
- https://ie.spbstu.ru/news/nauchnaya_delegaciya_vysshey_shkoly_energeticheskogo_mas_hinostroeniya_ie_spbpu_posetila_iran_s_celu_sozdaniya_sovmestnogo_instituta_i_ukrepleniya_nauchnogo_sotrudnichestva/

پیوست ۴: پاورپوینت برخی از سخنرانی‌های ارائه شده در هفتمین اجلاس رؤسای دانشگاه‌های

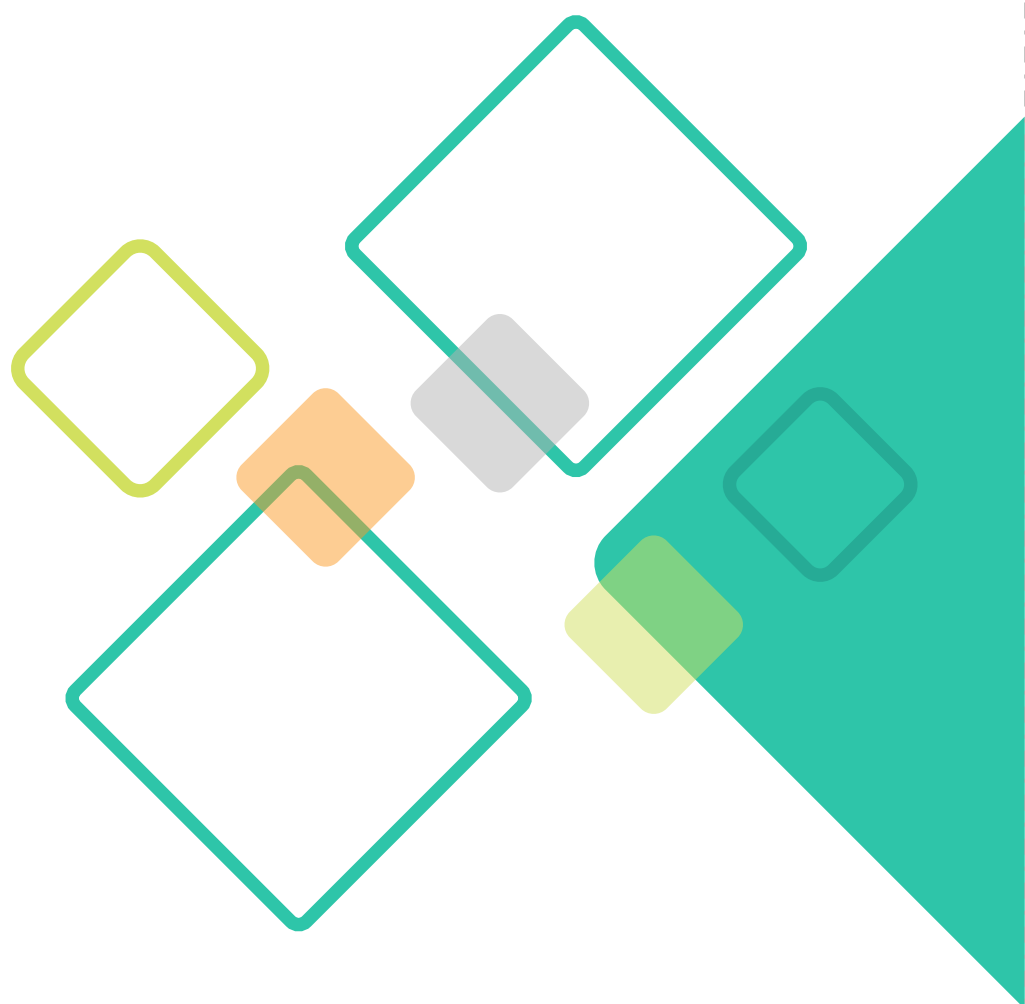
سطح یک ایران و روسیه

عنوان پاورپوینت برخی از سخنرانی‌های ارائه شده در هفتمین اجلاس رؤسای دانشگاه‌های سطح یک ایران و روسیه

به شرح زیر است:

- Educational and scientific cooperation between universities of the Russian Federation and the Islamic Republic of Iran as a proponent of national
- Dagestan State University
- Lomonosov Moscow State University
- Mari State University
- North Ossetian State University
- Peter the Great St. Petersburg Polytechnic University
- Sevastopol State University
- Ufa University of science and technology
- Ural Federal University
- Vladimir State University
- Amirkabir University of Technology
- Iran University of Science and Technology
- Sharif University of Technology
- University of Tehran

**Educational and scientific cooperation
between universities of the Russian
Federation and the Islamic Republic of
Iran as a proponent of national**



Educational and Scientific Cooperation between Universities of the Russian Federation and the Islamic Republic of Iran



Educational and scientific cooperation between universities of the Russian Federation and the Islamic Republic of Iran as a proponent of national development

Viktor KOKSHAROV

Rector of the Ural Federal University,
Russia

February 2025



Iranian–Russian Treaty on Comprehensive Strategic Partnership

2



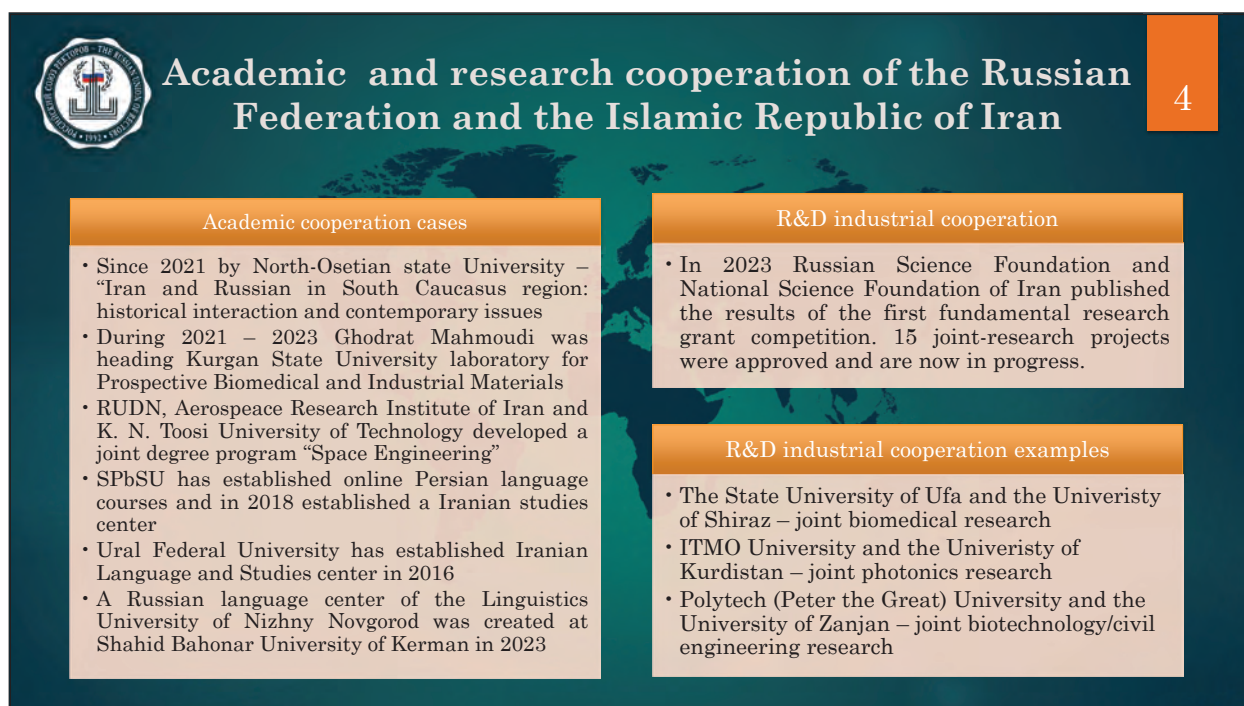
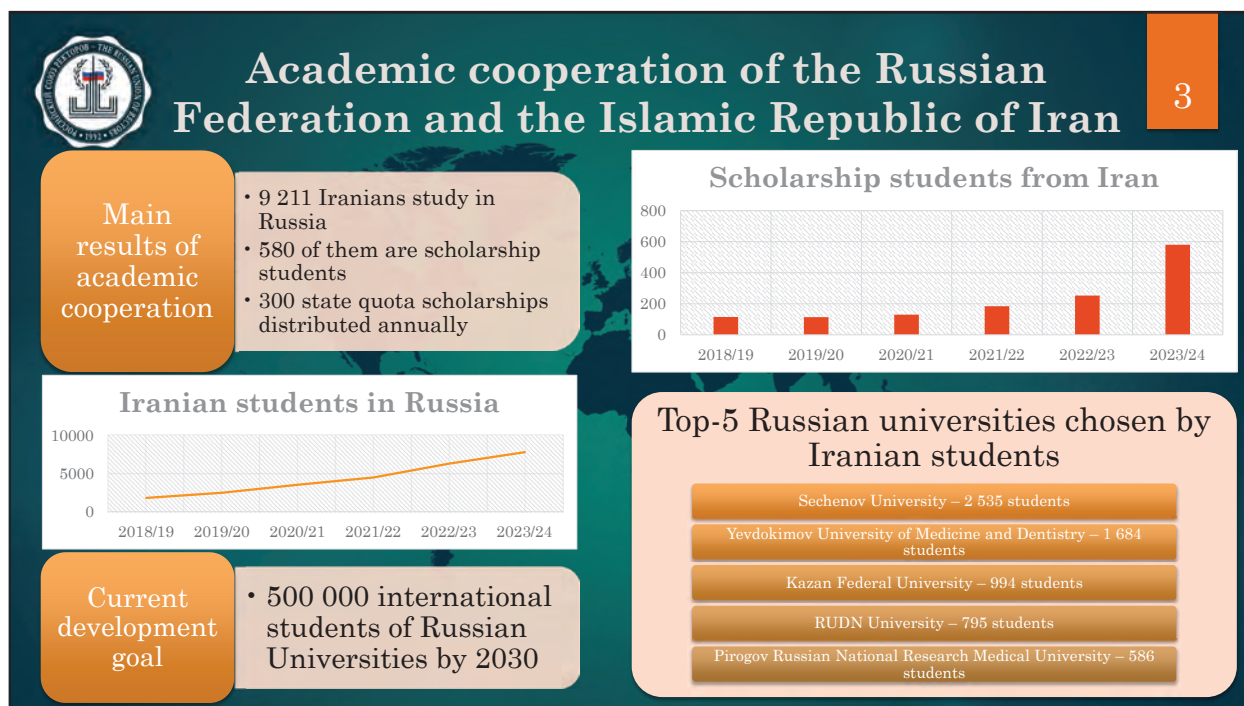
Your today's visit is of particular importance, because we will not only discuss all areas of our cooperation but also sign a major treaty on comprehensive strategic partnership between Russia and Iran.

- said Vladimir Putin, the President of the Russian Federation

We believe that our bilateral relations with the Russian Federation are strategically important and comprehensive.

- said Masoud Pezeshkian, the President of the Islamic Republic of Iran

Educational and Scientific Cooperation between Universities of the Russian Federation and the Islamic Republic of Iran



Educational and Scientific Cooperation between Universities of the Russian Federation and the Islamic Republic of Iran



Regional academic cooperation of Russia and Iran within Eurasian University Association

5

- ✓ Established in **1989**
- ✓ Association members – over **150** universities
- ✓ **15** meetings



Main areas of activities

- problems of development of national education;
- issues of preserving common educational environment and ensuring equivalence of universities' diplomas;
- development of cooperation among the universities-members of the EUA in the field of education and academic research;
- basic learning methods of improvement in higher school education;
- cooperation with youth and universities labour associations.



Regional academic cooperation of Russia and Iran within Association of state universities of Caspian nations

6

- ✓ Established in **1996**
- ✓ Association members – **55** universities and research institutions of Caspian region countries: **Russia, Iran, Kazakhstan, Azerbaijan, Turkmenistan**

Main areas of activities:

- development of a unified system of university education: in higher professional education, graduate school, doctoral studies;
- studies of the ecology of the Caspian Sea and the influence of natural and anthropogenic factors;
- improvement of the technology of artificial reproduction of the Caspian sturgeon;
- development of reclamation methods for water areas and territories contaminated with oil products;
- legal issues of environmental protection of the Caspian region;
- studies of the history of the Caspian region peoples.



Educational and Scientific Cooperation between Universities of the Russian Federation and the Islamic Republic of Iran



BRICS Universities of Russia and Iran


7

The Islamic Republic of Iran (6 Universities)

- Gorgan University of Agricultural Sciences and Natural Resources
- University of Guilan
- Daneshpajoohan Pishroo Higher Education Institute
- Islamic Azad University of Mashhad
- National University of Skill
- Guilan University of Medical Sciences

The Russian Federation (45 Universities)

- Moscow State University
- Higher School of Economics
- Moscow State Institute of International Relations
- Moscow Institute of Physics and Technology
- National University of Science and Technology
- Ural Federal University
- Tomsk State University





Russia and Iran in BRICS University Ranking

8

BRICS Principles for Ranking Higher Education Institutions

- Authorship of the evaluation
- Goal-setting
- Minimizing conflicts of interest
- Process organization
- Quality assurance
- Presentation of evaluation results
- Obligations of the authors of the evaluation

The development of BRICS University ranking system

- July, 2023 – Joint Declaration of BRICS Ministers of Education
- February, 2024 – Proposal of establishment of BRICS University Ranking as a successor to “Three University Missions” Ranking
- June, 2024 - BRICS Ministers of Science and Education Meeting decision to create a BRICS University Ranking system
- September – October, 2024 – BRICS meeting on the creation of Ranking system




Educational and Scientific Cooperation between Universities of the Russian Federation and the Islamic Republic of Iran



“Three University Missions” University Ranking

9



Education weight: 45 %



R&D weight: 25 %



University and society weight: 30 %

 The “Three University Missions” ranking has changed the international agenda by setting a new vector for the development of global academic rankings

 *Prof. Luiz Claudio Costa, President of IREG, the former Minister of Education of Brazil, 2018*

 Almost all existing rankings are based primarily on research and reputational indicators. The Moscow ranking introduced a new, second generation of academic rankings. 

 *University World News, 2020*

... Rating agencies are focusing their efforts on finding ways to ensure that the university's accountability to society & country is covered by the ratings. The Moscow ranking 'Three Missions of the University' is the first serious attempt to take the issue to the next level. 



International associations of universities created with the participation of the Russian Union of Rectors

10

- ✓ Association of Universities of Russia and Belarus
- ✓ Association of Universities of Russia and Kyrgyzstan
- ✓ Association of Universities of Russia and India
- ✓ Association of Higher Educational Institutions of Russia and Iran
- ✓ Association of Classical Universities of Russia and China
- ✓ Association of Higher Educational Institutions of Russia and Cuba
- ✓ Federation of Rectors of Russian and Arab Universities
- ✓ Association of Universities of Russia and Japan



Educational and Scientific Cooperation between Universities of the Russian Federation and the Islamic Republic of Iran



Forums of University Rectors of the Russian Federation and the Islamic Republic of Iran

11



Since **2000**, more than **70** Rectors' Forums of universities in Russia and other countries have been held with the participation of more than **5,000** rectors and representatives of Russian and foreign universities.

1st Forum – 2015, Moscow State University

2nd Forum – 2016, University of Tehran

3rd Forum – 2017, Moscow State University

4th Forum – 2018, University of Tehran

5th Forum – 2020, online

6th Forum – 2023, Moscow State University



VI Forum of University Rectors of the Russian Federation and Islamic Republic of Iran

12



Rector of MSU giving a speech during the Forum, 2023

During the VI Forum the discussions centered on joint research initiatives, ways to deploy advanced technologies student and faculty exchange programs, and the development of dual-degree programs.

The forum also addressed strategies to enhance scientific cooperation in fields such as engineering, medicine, and the humanities.

Both parties emphasized the importance of fostering educational ties to bolster broader bilateral relations.

Educational and Scientific Cooperation between Universities of the Russian Federation and the Islamic Republic of Iran



Russian Academic Reform

13



Minister of Higher Education and Science of Russia giving a speech in State Duma, February 2025

Russia is set to implement significant reforms in its higher education system, moving away from the Bologna Process and reintroducing a structure reminiscent of the Soviet-era model. Starting September 1, 2026, the traditional bachelor's and master's degrees will be replaced by a three-tier system

Basic Higher Education: This foundational level will span five to six years, providing comprehensive education in a chosen field	Specialized Higher Education: Serving as an equivalent to the current master's degree, this stage will last up to three years, allowing students to gain deeper expertise in their area of study	Postgraduate Studies: The final tier remains as postgraduate education, focusing on advanced research and academic pursuits
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It falls in line with the national development strategy of Russia set by the President of the Russian Federation to meet industrial demand for qualified personnel

Additionally, new research areas as well as advanced technologies will be incorporated into higher education to cover the international demand



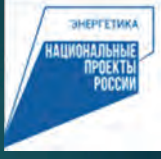
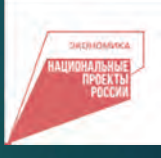
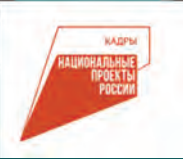

National Development Strategic Projects

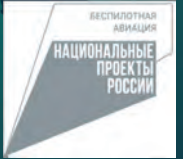
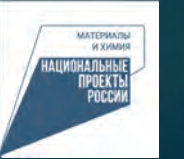
14

The results of “Science and Universities” project

- 940 youth laboratories in 245 research and 119 academic organizations
- 6 000 young researchers employed
- 365,5 thousand state-covered higher education places
- 42 new world-class R&D facilities

Since 2025 several new programs of development including “Children and Youth”, “Efficient and competitive economy”, “New nuclear and energy technologies” were introduced. This restructuring allows for a more focused allocation of resources and a more holistic approach to national development. The planned project duration is set to 2030.

Educational and Scientific Cooperation between Universities of the Russian Federation and the Islamic Republic of Iran



State Academic Leadership Development Program



15

Priority 2030 - the largest state university support program in the history of Russia

- **Main goal:** establishment of more than 100 progressive modern universities in Russia - centers of scientific, technological and socio-economic development of the country, by 2030
- **Program Tasks:**
 - transformation of the model of Russian education
 - acceleration of science & technology development in the regions of Russia

142 Universities are involved in

- Territorial and/or industry leadership Track
- Research leadership Track
- Far-East Track

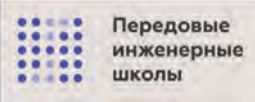
Key Results

- 420 consortiums established
- 400 strategic projects planned and realized
- 900 000+ students will receive additional IT-oriented education





Advanced Engineering Schools



16

Federal Project «Advanced Engineering Schools» launched in 2022 by the Ministry of Science & Higher Education of the Russian Federation

- **Project Goal:** Training of qualified engineers for high-tech industries and technological sovereignty
- **Project Mission:** Digital transformation of enterprises of machine-building and metallurgical industries in Russia

Main results by 2025

- 50 advanced engineering schools established in partnership with high-tech companies
- 900+ grants for the best students to intern at leading companies
- 250+ new advanced engineering training programs
- 15 000 professors will enhance their skills and knowledge at advanced engineering schools
- 250+ partnerships between academic and industrial organizations

Areas of research

- AI and Digital Technologies
- Electronics, Radio and Communication Systems Engineering
- Software Engineering
- Material Sciences
- Advanced R&D Technologies
- Biotechnologies in Agriculture
- Medical Device Engineering
- Energy-oriented Engineering

Educational and Scientific Cooperation between Universities of the Russian Federation and the Islamic Republic of Iran



World-class university campus project

17

A nationwide project to create modern world-class university campuses

- Was initiated in 2021 (as a part of 'Development of Infrastructure for Scientific Research and Personnel Training' project)
- Aims to create a network of 25 world-class campuses in Russia by 2030 and of 40 campuses by 2036

An example of a world-class campus at the Heart of Russia

The new Ural Federal University Campus serves as legacy of International University Sports Festival

The festival was held in Ekaterinburg from 19-31 August 2023

Multidisciplinary infrastructure includes:

- State-of-the-art medical facilities
- Stadium and water sports palace
- 5 modern dormitories (8500 additional places for student accommodation)

New educational campus with modern classrooms & laboratories will open by 2026

- Engineering School of IT, Telecommunications & Control Systems
- Graduate School of Economics & Management
- Specialized education & science center



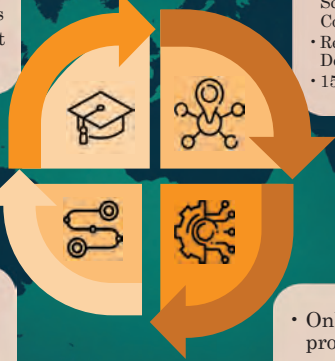



Promising areas of strategic co-operation between universities of Russia and Iran

18

Joint education effort

- Joint degree programs
- Scholarships and grants
- Academic mobility programs
- Hard/soft skills development centers



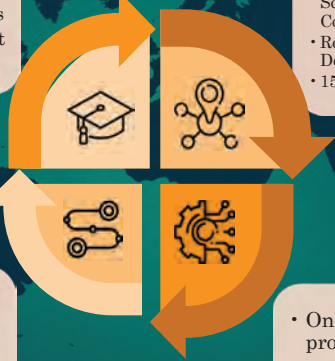
- Establishment of universities' unions
- Joint participation in Intergovernmental Commission on Scientific and Technological Cooperation
- Reciprocal Recognition of Scientific Degrees
- 15 Industrial grants competition

Legal initiatives

Personalized educational trajectories

BRICS Ranking

- Project-oriented studies
- Joint additional professional training programs
- Internships and interdisciplinary programs

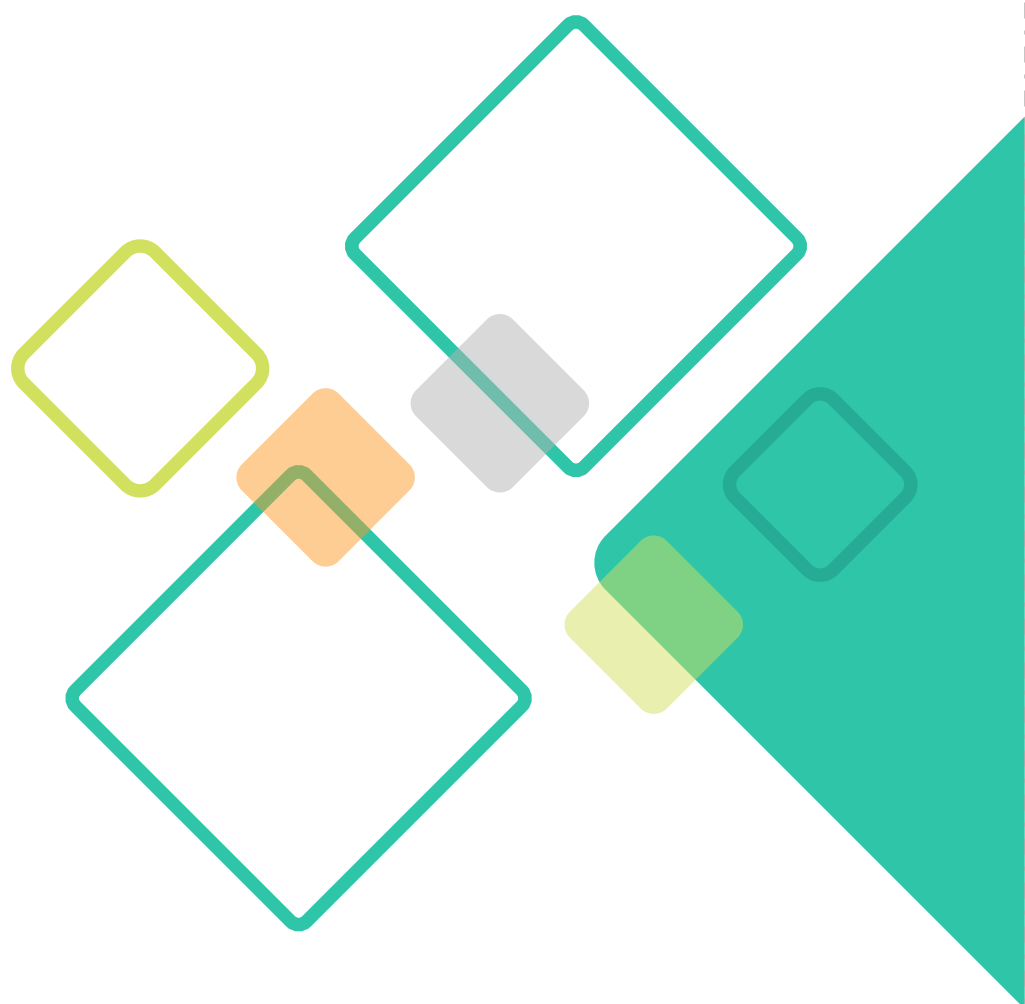


Summer University

- Online courses and degree programs
- Digital education technologies
- Exchange of educational and research materials

Digital Opportunities

Dagestan State University



Dagestan State University



ФГБОУ ВО
«Дагестанский государственный
университет»

Министерство науки и высшего
образования Российской Федерации

**Федеральное государственное
бюджетное образовательное
учреждение высшего образования
«Дагестанский государственный
университет»**

Сайт
www.dgu.ru

Почта
dgu@dgu.ru

FEDERAL STATE BUDGETARY EDUCATIONAL
INSTITUTION OF HIGHER EDUCATION
«DAGESTAN STATE UNIVERSITY»





**Dagestan
State
University**

The Republic of Dagestan

- the *largest republic of the North Caucasus* has external Russian land borders with the Republic of Azerbaijan and Georgia, and external Russian maritime borders with the Republic of Azerbaijan, the Republic of Kazakhstan, the Islamic Republic of Iran and Turkmenistan.
- Area – *50.3 thousand sq. km.*
- Population – *3.15 million people*
- Administrative center – *Makhachkala*
- Population – *736.8 thousand people*



Динамика численности населения



Year	Population of the Republic of Dagestan (thousands)	Population of Makhachkala (thousands)
2007	2,419,100	552,576
2008	2,463,885	586,678
2009	2,488,126	699,471
2010	2,511,083	702,277
2011	2,513,200	705,540
2023	2,515,957	756,813

The economy of Dagestan

35th economy among the constituent entities of the Russian Federation in terms of Gross Regional Product (GRP) volume. The main industries in Dagestan are:

- agriculture, winemaking, fishing, folk crafts, mining, light and chemical industries, mechanical engineering and electricity production.

Education in Dagestan

- 6 state universities
- 38 branches and non-state universities
- 56 colleges
- 1412 schools
- 1132 preschool educational institutions

Dagestan State University

Dagestan State University

1931

1957

2024



Dagestan occupies by population and territory:

- 1/3 of the NCFD
- 2/3 of the CS Russian part coastal zone
- 10th subject of Russia by population

18,000 students, 1,500 staff, 680 faculty, 2 institutes, 18 faculties, 84 departments, a college, lyceum, scientific library, 16 scientific and educational centers, 4 branches, an Engineering Center, Common Use Center, Information and Technical Center, Aquatic Complex, Energy Efficiency and Energy Saving Center, Biological Station, Botanical Garden, Planetarium, 3 museums

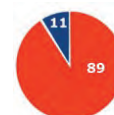
- 38 bachelor's degree programs
- 7 specialties
- 27 master's degree programs
- 50 postgraduate programs
- 17,817 students, including 9,659 full-time

The *Republic of Dagestan* is a key element in the North-South International Transport Corridor

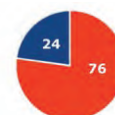


Самая светлая
сакля Дагестана!

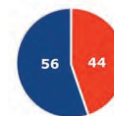
The role of the DSU in the personnel training system in the RD



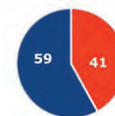
Math and Science



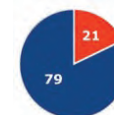
Humanitarian



Art and Culture



Social Sciences



Engineering and Technical

 DSU
 other HEI

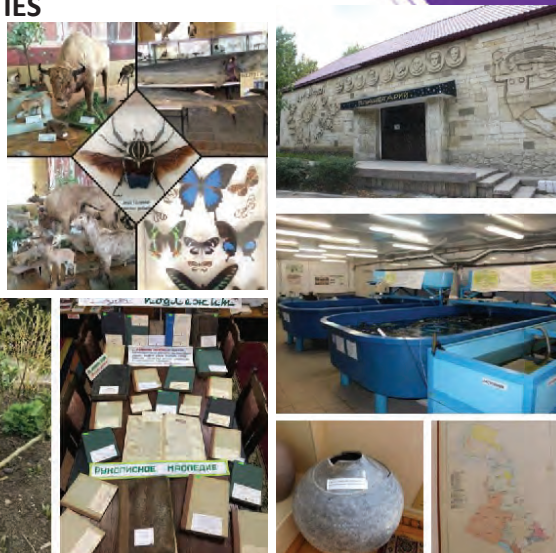


Dagestan State University



UNIQUE INFRASTRUCTURE FACILITIES

- Planetarium
- Zoological Museum
- Historical and Ethnographic Museum
- Museum of Rare Books and Book Monuments
- Botanical Garden
- Aquatic Complex



Development priorities of the Dagestan State University

Приоритеты развития
Дагестанского государственного университета



Scientific, educational and innovative cluster of the Republic of Dagestan

providing training of qualified personnel to solve priority tasks of socio-economic development of the Republic of Dagestan and the North Caucasus Federal District

The leading center of the regional innovation cluster

promoting the formation and development of high-tech sectors of the economy of the Republic of Dagestan in the long term

Leading expert platform

for discussing and adopting expert decisions on priority issues of cultural and socio-economic geo-strategy of the North Caucasus Center for increasing Russia's geopolitical influence in the Caspian region

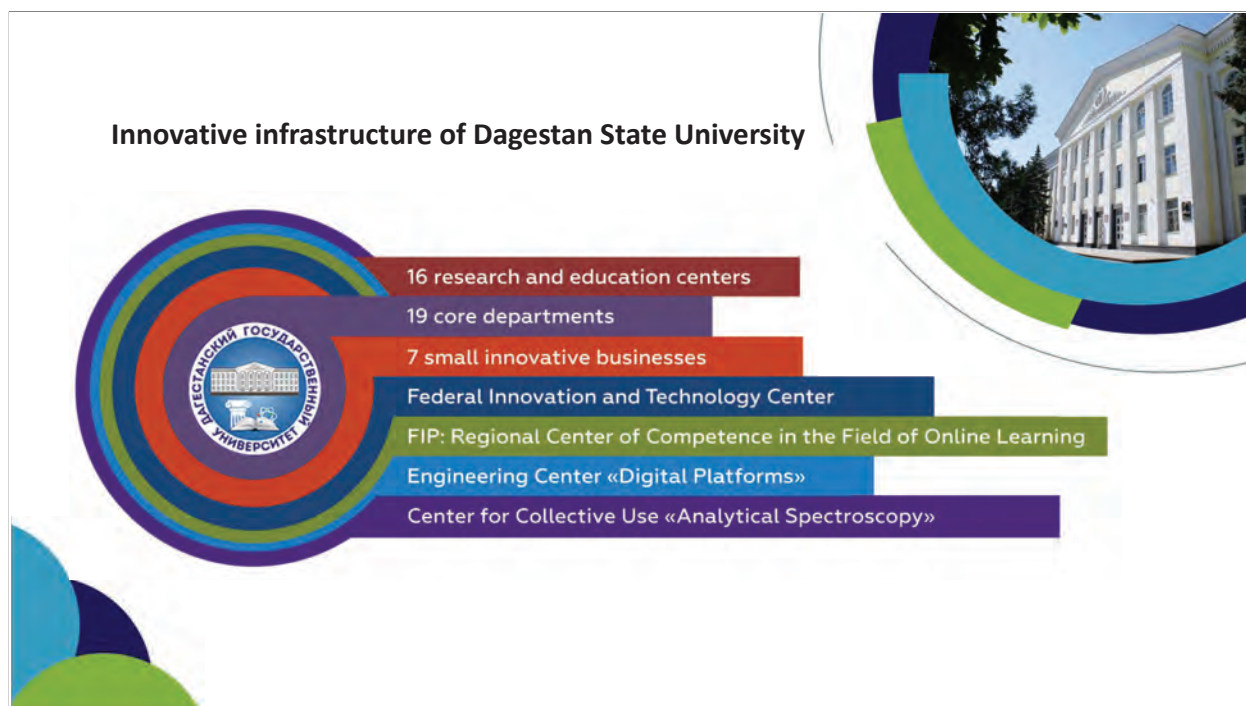
Center for increasing Russia's geopolitical influence in the Caspian Region

development of educational, scientific and cultural relations with the states of the Caspian region within the framework of the Association of Universities of the Caspian Countries and the Eurasian Association of Universities

Центр повышения геополитического влияния России в Прикаспийском регионе

развитие образовательных, научных и культурных связей с государствами Прикаспийского региона в рамках Ассоциации университетов Прикаспийских стран и Евразийской ассоциации университетов

Dagestan State University



 **Dagestan State University has 18 scientific schools in the following areas:**

 *Самая светлая
звезда Дагестана!*
Радуга



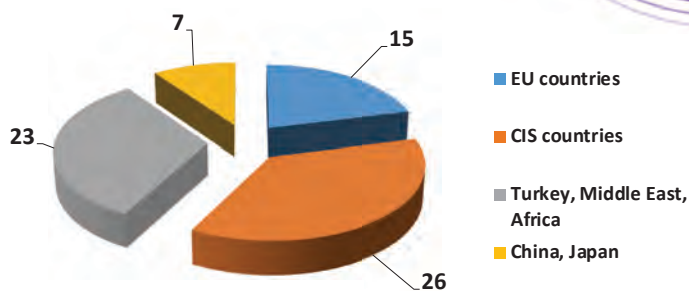
- 1 Nanosystems and Materials Industry
- 2 Life Sciences
- 3 Information and Telecommunication Systems
- 4 Rational Nature Management
- 5 Energy and Energy Saving
- 6 Humanitarian and Socio-Economic Areas

Dagestan State University



INTERNATIONAL ACTIVITIES

- As part of networking and cooperation with foreign universities, Dagestan State University successfully carries out scientific and academic cooperation with about *70 foreign universities* and educational centers on the basis of bilateral agreements, representing *about 30 countries of the world*



INTERNATIONAL ACTIVITIES

Dagestan State University is a full member of *8 international educational associations* (Eurasian Association of Universities; Association of State Universities of Caspian Countries, etc.)



In the area of educational activities internationalization, Dagestan University has started implementing *3 double degree master's programs* and *6 bilingual master's educational programs*.

In recent years, *more than 500 students and lecturers* of DSU have participated in various academic mobility programs at leading universities in Europe, Asia and Africa.

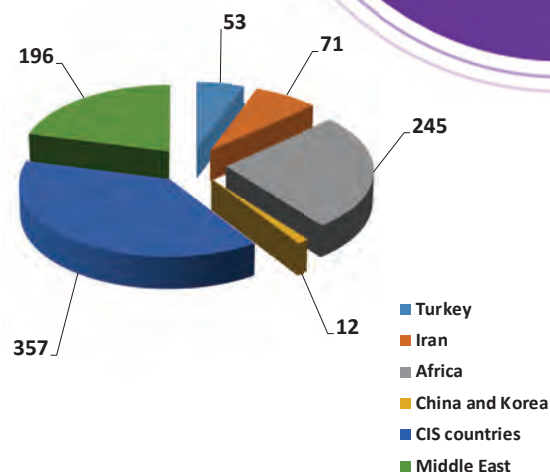


Dagestan State University



INTERNATIONAL ACTIVITIES

- ◆ **The Faculty of International Education** occupies a special place in the system of pre-university and international training at Dagestan University.
- ◆ The Faculty has been preparing foreign citizens for study at Russian universities *since 1979*. There is a Preparatory Department for foreign citizens.
- ◆ During this period, *more than 7,000 citizens from more than 45 foreign countries* graduated from the university in the main educational programs or received Certificates of Education of the Preparatory Department.
- ◆ The number of foreign students studying at the Dagestan State University in general education programs of higher education and secondary vocational education, as well as in the Preparatory Department, is growing annually, and in recent years has amounted to about *1000 foreign citizens* from various countries of the near and far abroad (Turkey, Iraq, Yemen, Syria, Afghanistan, Zimbabwe, Cameroun, Côte d'Ivoire, CIS countries, etc.)



Association of State Universities of Caspian region countries

Throughout the entire period of activity of the Association, Dagestan State University has been one of the active members of the Association paying great attention to the development of scientific, academic and cultural cooperation as well as participating in implementation of economic, humanitarian and educational projects.

In 2023 the XXV anniversary General Assembly of the Association was held in Dagestan State University. It is the third time Dagestan State University has been the platform for meetings within the framework of the Association. More than 40 universities and research centers from Russia, Islamic Republic of Iran, Azerbaijan, Republics of Kazakhstan and Turkmenistan took part in the event.





Center of Iranian Studies

Center of Iranian Studies was founded in 2004 under the agreement with Cultural Representative Office of the Iranian Embassy in Moscow.

Main fields of the Center are as follows:

- educational;
- scientific;
- translation;
- cultural and international events and cooperation



Key achievements of the Center:

- enhancing scientific contacts with Iranian research centers;
- improving the level of teaching the Persian language at Dagestan State University;
- publishing a significant number of scientific works on Iranian studies;
- organizing large-scale cultural events;
- establishing partnership with Iranian foundations.



Cooperation with Iranian Universities

For over 10 years Dagestan State University has been a partner with the following universities and organizations of Islamic Republic of Iran:

- Allameh Tabataba'i University (city of Tehran);
- University of Isfahan (city of Isfahan);
- University of Guilan (city of Rasht);
- Gonbad Kavous University (city of Gonbad-e Kavus);
- Institute of Iran and Eurasia Studies (city of Tehran);
- Shahid Beheshti University (city of Tehran);
- University of Tehran (city of Tehran)
- И др

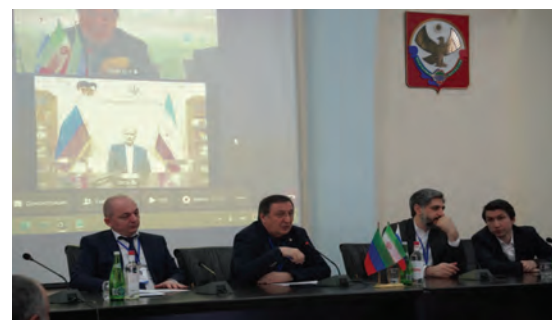




Cooperation with Iranian Universities

Delegation of Dagestan State University participated in celebrations of the 90th anniversary of University of Tehran and 1757th anniversary of higher education in Iran.

International scientific and practical conference “Osmanovskie chteniya” dedicated to the 100th anniversary of Magomed-Nuri Osmanov, outstanding scientist, orientalist, Iranologist and Islamic scholar.



Cooperation with Iranian Universities

In 2019 within the III International scientific conference “Osmanovskie chteniya” a ceremony of unveiling the bust to Hafiz Shirazi, a great Iranian poet and philosopher, took place on the territory of the Faculty of Philology (Dagestan State University). In return, the opening ceremony of the bust to Rasul Gamzatov, a great Russian and Dagestan poet, was held at Shahid Beheshti University in 2023.



Proposal for cooperation development

- implementation of joint educational programs, including those leading to the awarding of joint degrees (two diplomas);
- implementation of scientific, methodological, legal and organizational-technological mechanisms for the open educational space formation;
- development of international and regional academic mobility of students and teaching staff;
- increasing the efficiency of international and regional research, development and design activities;
- holding joint youth cultural forums and student competitions;
- development of a tourism cluster.

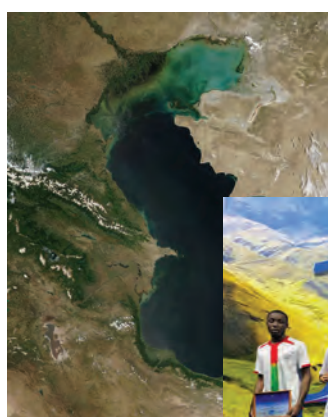


*Самая светлая
сакля Дageстана!*

- реализации совместных образовательных программ, ведущих, в том числе к присуждению совместных степеней (двух дипломов);
- реализация научно-методических, правовых и организационно-технологических механизмов формирования открытого образовательного пространства;
- развитие международной и региональной академической мобильности обучающихся и научно-педагогических работников;
- повышение эффективности международной и региональной научно-исследовательской, опытно-конструкторской и проектной деятельности;
- проведения совместных молодежных культурных форумов и студенческих олимпиад;
- развитие туристического кластера;



INTERNATIONAL SUMMER SPECIALIZED SHIFTS МЕЖДУНАРОДНЫЕ ЛЕТНИЕ ПРОФИЛЬНЫЕ СМЕНЫ



The guarantee of future joint achievements in the field of education and science of our countries can be international summer specialized shifts, including master classes, various educational tracks.

We propose to organize a specialized shift in the summer of 2025, dedicated to solving environmental problems of the Caspian Sea, development of the international legal regime.



ORGANIZATION OF JOINT FIELD TRAINING PRACTICES, INTERNATIONAL SCIENTIFIC EXPEDITIONS

ОРГАНИЗАЦИИ СОВМЕСТНЫХ УЧЕБНЫХ ПОЛЕВЫХ ПРАКТИК,
ОРГАНИЗАЦИИ МЕЖДУНАРОДНЫХ НАУЧНЫХ ЭКСПЕДИЦИЙ



The unique biological diversity, rich natural and cultural heritage of Dagestan makes it possible to organize joint educational field practices, organize international scientific expeditions of teachers, researchers, students of Iranian universities as part of the implementation of educational programs in the areas of "Biology", "Soil Science", "Ecology and Environmental Management", "Geography", "History"



NETWORK IMPLEMENTATION OF EDUCATIONAL PROGRAMS DOUBLE DIPLOMA PROGRAMS OF HIGHER EDUCATION

СЕТЕВАЯ РЕАЛИЗАЦИИ ОБРАЗОВАТЕЛЬНЫХ ПРОГРАММ, ПРОГРАММЫ
ДВОЙНЫХ ДИПЛОМОВ ВЫСШЕГО ОБРАЗОВАНИЯ



Undergraduate programs
Mathematics (specialization - Real, Complex and Functional Analysis)
Applied Mathematics and Computer Science (specialization - Mathematical Modeling and Computational Mathematics)
Mathematics and Computer Science (specialization - Mathematical Analysis and Applications)
Physics (specialization – Physical Computer Science)
Chemistry (specialization – Pharmaceutical Chemistry)
Geography (specialization – Recreational Geography and Tourism)
Ecology and Environmental Management (specialization – Environmental Safety)
Biology (specialization – Biochemistry)
Soil Science (specialization – Land Cadastre and Soil Certification)
Economics (specialization - Finance and Credit)
Jurisprudence (specialization – State and Legal)
International Relations (specialization - International Security)

Master programs
Mathematics (specialization - Mathematical Analysis)
Applied Mathematics and Computer Science (specialization - Mathematical Modeling and Computational Mathematics)
Physics (specialization - Physics of Nanosystems)
Chemistry (specialization - Organic Chemistry)
Geography (specialization – GIS technologies in the Study of Natural and Cultural Heritage)
Ecology and Environmental Management (specialization - Environmental Protection and Environmental Risks)
Biology (specialization - Genetics, Biotechnology and Phytophysiology)
Economics (specialization - Information Technologies in Business Analytics)
Management (specialization - Tourism Marketing)
Finance and Credit (specialization - Financial and Credit Markets and Financial and Credit Institutions)
Jurisprudence (specialization - Current Issues of International and European Law)
History (specialization - Historical Political Science)

NETWORK IMPLEMENTATION OF EDUCATIONAL PROGRAMS, JOINT DEGREE PROGRAMS OF HIGHER EDUCATION

СЕТЕВАЯ РЕАЛИЗАЦИЯ ОБРАЗОВАТЕЛЬНЫХ ПРОГРАММ, ПРОГРАММЫ
ДВОЙНЫХ ДИПЛОМОВ ВЫСШЕГО ОБРАЗОВАНИЯ



Bachelor degree Programs
Fundamental informatics and information technologies (major- Informatics and computer science)
Information systems and technologies (major- - Technologies for developing secure software for information systems)
Applied informatics (major- – Information systems and programming)
Software engineering (major- - Development of software and information systems)
Electronics and Nano-electronics (major- - Microelectronics and solid-state electronics)
Electric power and electrical engineering (major- - Renewable energy sources and hydroelectric power stations)
Energy and resource-saving processes in chemical engineering, petro-chemistry and biotechnology (major- - Environmental protection and rational use of natural resources)

Master degree Programs
Fundamental informatics and information technology (major- – Information technology)
Information systems and technologies (major- – Artificial intelligence, mathematical modeling and supercomputer technologies in the development of information systems)
Applied informatics (major- - Development and implementation of information systems)
Electronics and Nano-electronics (major- – Materials and technologies of electronics and Nano-electronics)
Electric power and electrical engineering (major- – Power generators based on renewable energy sources)
Energy and resource-saving processes in chemical engineering, petro-chemistry and biotechnology (major- - Recycling, waste processing and rational use of resources)

Festival of popular science tourism of the North Caucasian Federal District "Top of Science"

Фестиваль научно-популярного
туризма СКФО «Вершина наук»

- Guided tour of the Innovative and Technological Complex of Dagestan State University including the following tourist clusters: "Additive technologies", "Smart materials and ecology" and "Life science".
- Historical and cultural heritage of the peoples of the Caucasus: following the footsteps of ancient Khazaria.
- On the edge of the towers: ancient cities of the North Caucasus.
- Sunny berry: from field to counter.
- Mountains of Masters: Dagestan Secrets of Carpet Weaving and Jewelry Crafts

Over 60 students from the universities of the North Caucasus region and the Russian Federation took part in the festival.



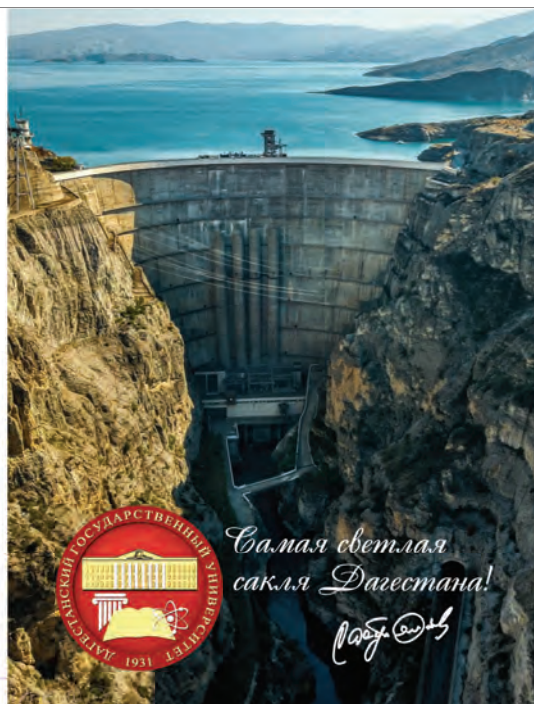
International Youth Ecological Forum of Caspian States «Ecosled»

Международный молодежный экологический форум Прикаспийских государств «ЭКОслед»

The goal is to draw attention to environmental issues, exchange experiences and knowledge between young people from different countries as well as support student initiatives and search for joint solutions to preserve the environment.

The three-day forum program consisted of lectures by leading scientists and their practical implementation in three focus groups:

- conservation of biodiversity;
- waste sorting and recycling;
- environmental protection in the face of climate change.



PROGRAM FOR THE STUDY AND CONSERVATION OF THE CASPIAN SEAL

В 2017 г. на очередном заседании Генеральной ассамблеи Ассоциации государственных университетов Прикаспийских стран, по инициативе Дагестанского государственного университета во всех университетах ассоциации 2018 год был объявлен «Годом каспийского тюленя»



Одним из основных направлений работ в рамках объявленного «Года каспийского тюленя» стало взаимодействие и объединение усилий университетов Ассоциации направленное на сохранение каспийского тюленя.



26 сентября 2017 г. было заключено соглашение о сотрудничестве в рамках проекта по созданию и развитию международного центра изучения и реабилитации каспийского тюленя.

В 2022 г. представители АУПГ приняли участие в VI совещании Конференции сторон Тегеранской конференции по защите морской среды Каспийского моря, проводимой ЮНЕП в г. Баку в качестве наблюдателей.

В 2023 г. фондом экологических инициатив Компас совместно с ДГУ запущена программа изучения и сохранения популяции Каспийского тюленя.



Одними из основных итогов данных работ стало научное обоснование учеными университета включения каспийского тюленя в Красную книгу Республики Дагестана и РФ и инициирование разработки и внедрения под эгидой UNEP совместной образовательной магистерской программы «Управление экологическими проблемами Каспийского региона»



PROGRAM FOR THE STUDY AND CONSERVATION OF THE CASPIAN SEAL

In 2017, at a regular meeting of the General Assembly of the Association of Caspian State Universities, on the initiative of Dagestan State University, 2018 was declared the "Year of the Caspian Seal" in all universities of the association



One of the main directions of work within the framework of the declared "Year of the Caspian Seal" was the interaction and joint efforts of the Association's universities aimed at preserving the Caspian seal



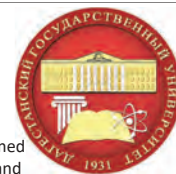
On September 26, 2017, an agreement was signed for cooperation within the project to establish and develop an international center for studying and rehabilitating the Caspian seal

In 2022, ACSU representatives participated as observers in the 6th Meeting of the Conference of the Parties to the Tehran Convention for the Protection of the Marine Environment of the Caspian Sea, held by UNEP in Baku

In 2023, the Compass Environmental Initiatives Foundation, together with DSU, launched a program to study and preserve the Caspian seal population



One of the main outcomes of this work was the university scientists' scientific justification for including the Caspian seal in the Red Book of the Republic of Dagestan and the Russian Federation, and the initiation of development and implementation of a joint Master's educational program "Management of Environmental Problems in the Caspian Region" under the auspices of UNEP



Establishment of the Marine Carbon Polygon in the Caspian Sea

Создание на Каспии морского карбонового полигона



Carbon polygons are specialized sites for conducting experiments to measure greenhouse gas emissions and absorption. To achieve this, scientific personnel at the polygon conduct both ground-based and remote measurements to assess the spatial and temporal changes in the fluxes of **climate-active gases** (methane, carbon dioxide, nitrous oxide). One of the main goals of such research is to **evaluate the integral values of the carbon balance**

Карбоновые полигоны - специализированные площадки для проведения экспериментов по измерению эмиссии и поглощения парниковых газов. Для этого научный персонал полигона проводит наземные и дистанционные измерения, чтобы оценить изменение потоков **климатически активных газов** (метан, углекислый газ, закись азота) по пространству и во времени. Одна из главных целей таких исследований - **оценка интегральных значений углеродного баланса**



**TREATY ON COMPREHENSIVE STRATEGIC PARTNERSHIP BETWEEN
THE RUSSIAN FEDERATION AND IRAN**

ДОГОВОР О ВСЕОБЪЕМЛЯЮЩЕМ СТРАТЕГИЧЕСКОМ ПАРТНЁРСТВЕ
МЕЖДУ РФ И ИРАНОМ



Press Service of the President of Russia

“Our country attaches paramount importance to further strengthening friendly and good-neighborly Russian-Iranian relations. This is precisely the meaning of the intergovernmental Treaty on Comprehensive Strategic Partnership”

Vladimir Putin

“Наша страна придаёт первостепенное значение дальнейшему укреплению дружественных и добрососедских российско-иранских отношений. Именно в этом смысл подписанного межгосударственного Договора о всеобъемлющем стратегическом партнёрстве.”

“The treaty that has been signed will open a new major chapter in our relations... and will be able to prepare the necessary framework for our further cooperation”

Masoud Pezeshkian

“Договор, который был подписан, откроет новую большую главу в наших отношениях.... и сможет подготовить необходимое русло для дальнейшего нашего сотрудничества”

Саади Ширази

سعدی

(1184-1293 гг)



Коня найдешь в Арабистане,
Булат отменный – в Хорасане,
Красавиц пышных – в Гуржистане,
Людей отважных – в Дагестане

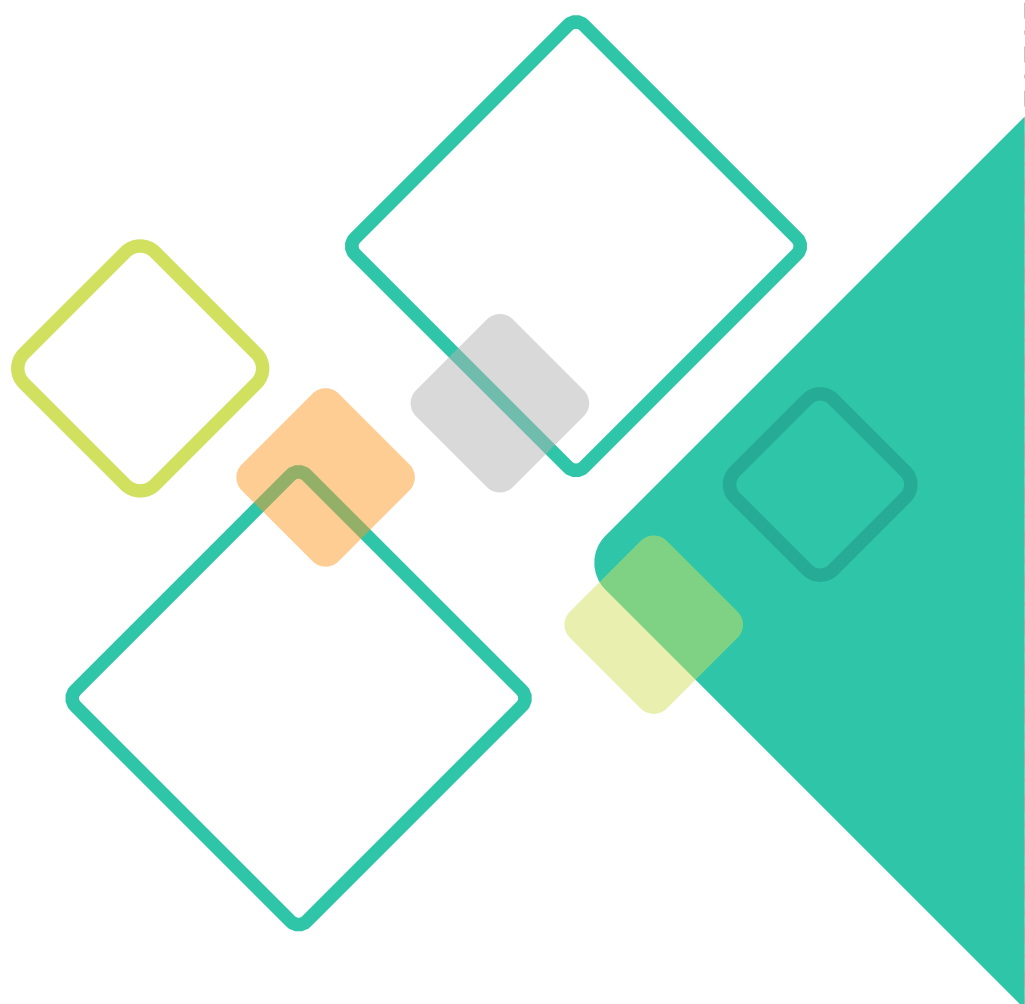
اسبی را در عربستان
شمشیر نیز را در خراسان
زیبارویان باشکوه را در گرجستان
مردمان شجاع را در داغستان خواهید یافت.



از توجه حضار محترم تشکر و همه را به
دانشگاه دولتی داغستان دعوت می کنم

Спасибо за внимание!

Lomonosov Moscow State University





Lomonosov Moscow State University

1



42 faculties

15 research centers

2 supercomputers, 6 satellites

Botanic garden

9 000 000 books, kept in MSU libraries

45 000+ students

10 000+ foreign students from 90 countries

5 000+ lectures, professors and employees

4 000+ researchers

11 Nobel Prize laureates



Visit of the President of the Islamic Republic of Iran Hassan Rouhani to Moscow State University (March 29, 2017)

2





Visit of the President of the Islamic Republic of Iran Ebrahim Raisi to Moscow State University (January 20, 2022)

3



Forums of University Rectors of the Russian Federation and the Islamic Republic of Iran

4



The 1st Forum of University Rectors of the Russian Federation and the Islamic Republic of Iran (Moscow State University, October 28, 2015): the establishment of the **Association of Higher Education Institutions of the Russian Federation and the Islamic Republic of Iran**



Forums of University Rectors of the Russian Federation and the Islamic Republic of Iran

5

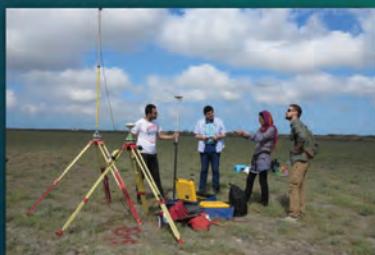
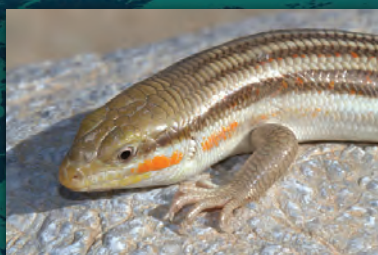


The 2^d Forum of University Rectors of the Russian Federation and the Islamic Republic of Iran (the University of Tehran, October 19–20, 2016)



The main areas of scientific cooperation between Russian and Iranian universities

6



Joint projects in the field of:

- nanotechnology
- agricultural engineering
- zoology
- soil science
- geography
- design of transport objects



Russian Universiade in Persian Language and Literature

7

- ✓ The event is hosted by the Institute of Asian and African Studies MSU and Embassy of Islamic Republic of Iran in the Russian Federation.
- ✓ The first Universiade was held in 2003.
- ✓ Students from more than 10 Russian the most prestige Universities take part in the event every year.



BRICS Universities Rankings

8





BRICS Universities Rankings

9

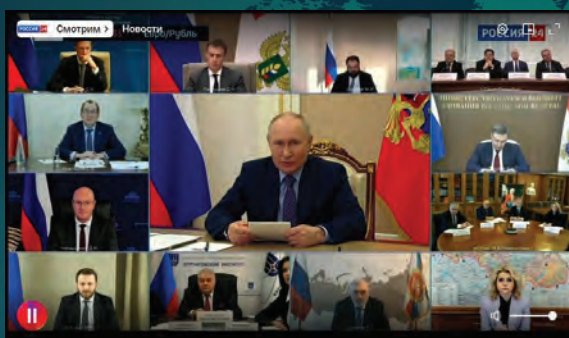


July 2023: Representatives of Republic of South Africa at the BRICS Education Ministers Meeting initiated to create a ranking of BRICS Universities. The idea was supported and confirmed in the Joint Declaration of BRICS Education Ministers



BRICS Universities Rankings

10



February 2024: At the meeting of the Presidential Council for Science and Education, Rector of Lomonosov Moscow State University V.A. Sadovnichy proposed to create a BRICS Universities Ranking based on the “The Three University Missions” ranking. The proposal was supported by the Russian President.



Moscow International Ranking "Three Missions of the University"

11

2012

The emergence of the national ranking of the 100 best universities in Russia.

2013-2016

The ranking of the 100 best universities in Russia has successfully passed the IREG Observatory audit procedure.

2016-2019

The rating was tested by the world's leading audit and consulting company PricewaterhouseCoopers and received a positive opinion.

2019-2024

The creation of an ecosystem of ratings "Three Missions of the University" has been completed. The 2024 ranking includes the top 2000 universities from 103 countries.



BRICS Universities Rankings

12



June 2024: The participants of the BRICS Ministers of Science and Education Meeting in Kazan continued to consider the university ranking and evaluation system; it was decided to organize thematic seminars on the practice and principles of universities ranking



BRICS Universities Rankings

13

September 17-18, 2024

The first meeting on the creation of a ranking of universities in BRICS countries with the participation of representatives of all BRICS countries was held.

October 18, 2024

The second meeting on the creation of a ranking of universities in BRICS countries (is held during the BRICS Countries Universities Rectors' Forum).

BRICS Principles for Ranking Higher Education Institutions

14

1. Authorship of the evaluation
2. Goal-setting
3. Minimizing conflicts of interest
4. Process organization
5. Quality assurance
6. Presentation of evaluation results
7. Obligations of the authors of the evaluation

✓ **Adherence to the Principles is the basis for mutual understanding and trust**

The ranking model: focusing on the three missions of the University

15

The Moscow International University Ranking 'The Three University Missions'



Education
weight: 45 %



Science
weight: 25 %



University and society
weight: 30 %



The 'The Three University Missions' ranking has changed the international agenda by setting a new vector for the development of global academic rankings



Prof. Luiz Claudio Costa, President of IREG, the former Minister of Education of Brazil, 2018



Almost all existing rankings are based primarily on research and reputational indicators. The Moscow ranking introduced a new, second generation of academic rankings.



University World News, 2020



... Rating agencies are focusing their efforts on finding ways to ensure that the university's accountability to society & country is covered by the ratings. The Moscow ranking 'Three Missions of the University' is the first serious attempt to take the issue to the next level.



BRICS Universities Rectors' Forum

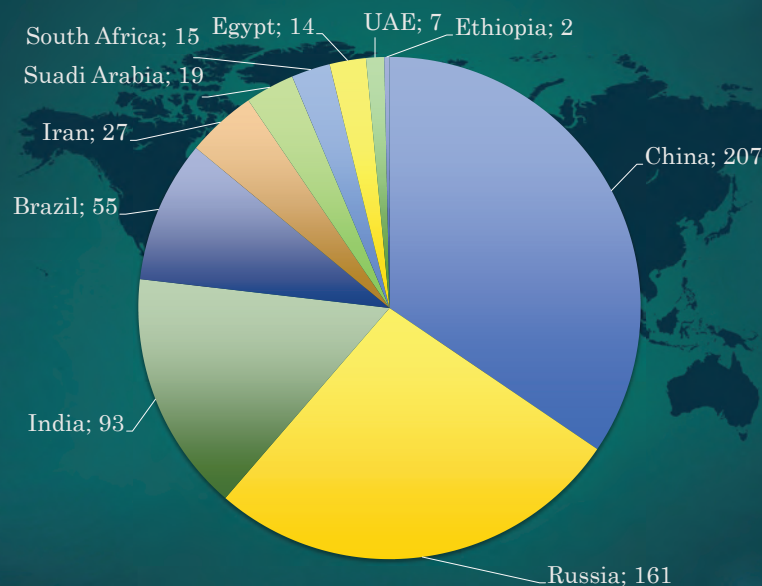
17-18 October 2024 (Moscow, MSU)

16



Geography of the BRICS University Rankings

16



Strengths of the BRICS countries

17

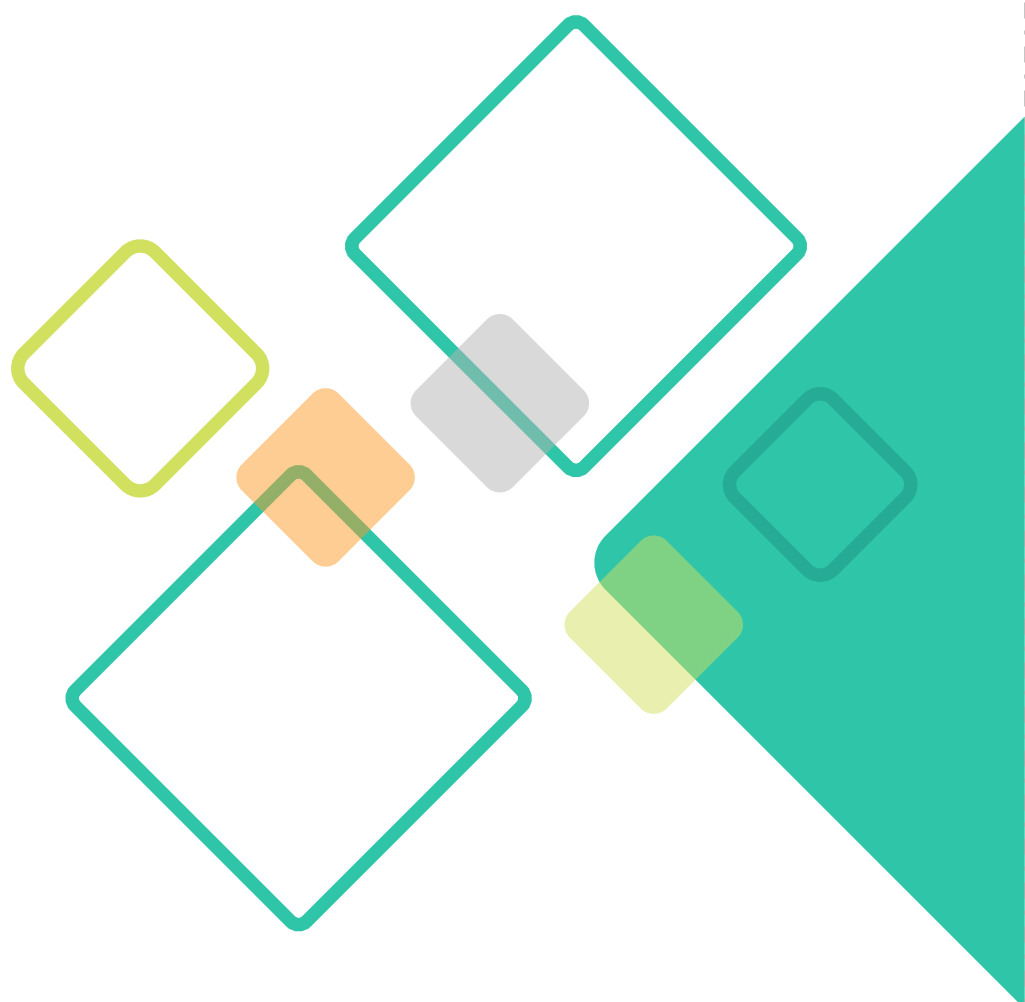
Universities in each of the BRICS countries have their own strengths, as demonstrated by the objective criteria used in this ranking. These involve:

- ▶ **Brazil:** website audience; hits on the university's Wikipedia page; budget spending per student
- ▶ **China:** student-to-faculty ratio; global citations; income from research per faculty
- ▶ **Egypt:** student-to-faculty ratio; global citations; joint publications with BRICS partners
- ▶ **Ethiopia:** graduates/alumni with a personal Wikipedia page; hits on the university's Wikipedia page; joint publications with BRICS partners
- ▶ **India:** academic awards; income from research per faculty; graduates/alumni with a personal Wikipedia page
- ▶ **Iran:** wins in student Olympiads; academic awards; global citations
- ▶ **Russia:** academic awards; wins in student Olympiads; percentage of international students
- ▶ **Saudi Arabia:** joint publications with BRICS partners; student-to-faculty ratio; website audience
- ▶ **South Africa:** graduates/alumni with a personal Wikipedia page; website audience; joint publications with BRICS partners
- ▶ **United Arab Emirates (U.A.E.):** percentage of international students; budget spending per student; global citations



Thank you for your attention!

Mari State University





Mari State University

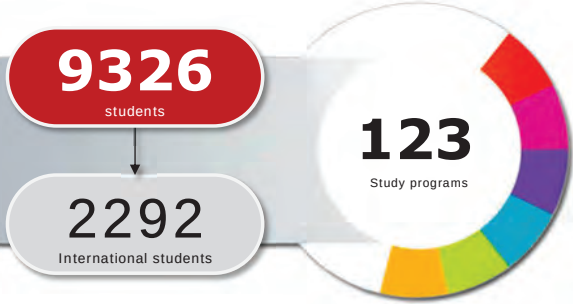
Konstantin Belosludtsev,
Vice-Rector for Innovations,
Doctor of Biological Sciences



THE RUSSIA-IRAN COOPERATION IN THE DEVELOPMENT OF UNIVERSITY SCIENCE

MARSU TODAY

МАРИЙСКИЙ
ГОСУДАРСТВЕННЫЙ
УНИВЕРСИТЕТ



9326
students

2292
International students

123
Study programs

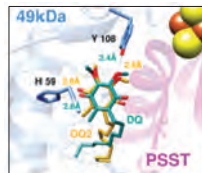
- The flagship university of the Republic of Mari El
- Participant of the “Priority 2030” program
- Member of the Association of Classical Universities of Russia
- Member of the International Association of Finno-Ugric Universities
- Member of the Association of Universities of Electronic Component Database

BIOMEDICINES

МАРИЙСКИЙ
ГОСУДАРСТВЕННЫЙ
УНИВЕРСИТЕТ



LABORATORY OF PHARMACOLOGICAL RESISTANCE



LABORATORY OF GENOMIC EDITING



CREATION AND TESTING OF NEW COMPOUNDS AGAINST SOCIALLY SIGNIFICANT AND ORPHAN DISEASES

Research of molecular mechanisms and search for new targets of pathologies such as diabetes mellitus, oncology, cardiovascular diseases, as well as the orphan disease Duchenne muscular dystrophy.

One of the key trends in these studies is the study of cellular bioenergetics - the processes of transformation, conservation and transfer of energy in the cells of a living organism.

New pharmaceutical compounds that will contribute to the treatment of these diseases are being developed, created and tested.

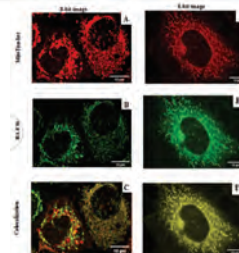


BIOMEDICINES

МАРИЙСКИЙ
ГОСУДАРСТВЕННЫЙ
УНИВЕРСИТЕТ



SEARCH FOR NEW AGENTS FOR CORRECTION OF PATHOLOGIES OF CELLULAR METABOLISM



α -Ketoglutarate prevents hyperlipidemia-induced fatty liver: mitochondrial dysfunction and oxidative stress by activating the AMPK-pgc-1 α /Nrf2 pathway

Dongmei Cheng¹, Mo Zhang¹, Yuli Zeng¹, Min Wang¹, Yilin Guo¹, Xudong Wang¹, Xueqin Liu¹, Weigang Li¹, Xia Zeng¹, Rouenian N. Beharadary¹, Jiaxin Su¹, Lin Zhao¹

¹Department of Biochemistry and Molecular Biology, The Key Laboratory of Biomedical Sciences, School of Life Sciences and Technology, South China University of Technology, Guangzhou, China

²Department of Biochemistry and Molecular Biology, The Key Laboratory of Biomedical Sciences, School of Life Sciences and Technology, South China University of Technology, Guangzhou, China

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MICROELECTRONICS

МАРИЙСКИЙ
ГОСУДАРСТВЕННЫЙ
УНИВЕРСИТЕТ



THE CENTER OF DEVELOPMENT OF PRINTED CIRCUIT BOARDS AND PERSONNEL TRAINING IN THE FIELD OF PRODUCTION OF PRINTED CIRCUIT BOARDS

- mastering technologies for the production of printed circuit boards of accuracy class 6-7, including technologies for the production of domestic base materials and mounting technologies (Flip-Chip and Chip-On-Board and their modifications);
- building human resources in the field of electronic industry;
- formation of graduates' competence to participate in the full cycle of creating high-tech products.

PROJECT PARTNERS



**MARI STATE UNIEVRSITY IS
MEMBER OF THE ASSOCIATION OF UNIVERSITIES OF
ELECTRONIC COMPONENT DATABASE**

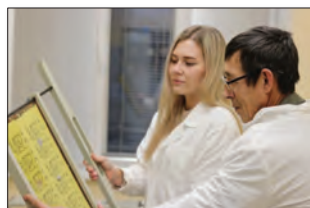


MICROELECTRONICS

МАРИЙСКИЙ
ГОСУДАРСТВЕННЫЙ
УНИВЕРСИТЕТ



LABORATORY OF DEVELOPMENT, DESIGN AND TECHNICAL INSPECTION OF PRINTED CIRCUIT BOARDS



**INDUSTRIAL PARTNER
TECHNOTECH LLC**



**INDUSTRIAL PARTNER
Semiconductor Device
Factory LLC**

LABORATORY OF DESIGN AND PRODUCTION OF CERAMIC PRODUCTS FOR MICROELECTRONICS



- creation of an optical control and inspection system for printed circuit boards of accuracy class 6-7 in mass production conditions;
- development of a method for non-destructive testing and quality control of drilled non-metallized holes in printed circuit boards;
- development of a method for visual control of the appearance and detection of areas on printed circuit boards with the remaining film/cover of a protective solder mask in open areas of the circuit for mounting components;
- development of a methodology for checking and analyzing the quality of plasma cleaning of the surface of a printed circuit board on materials based on fluoroplast (PTFE).

- investigation of technological characteristics of low-alkali deep-calcined alumina for the production of metal-ceramic housings;
- investigation of the characteristics of tungsten powders for the manufacture of metallization pastes and the characteristics of pastes prepared on their basis;
- development of a technique for applying and controlling the uniformity of a metal coating during electroplating;
- development and research of physico-chemical properties of interlayer pastes for multilayer metal-ceramic housings.

ENGINEERING CENTER

МАРИЙСКИЙ
ГОСУДАРСТВЕННЫЙ
УНИВЕРСИТЕТ



THE CENTER'S
CUSTOMERS



PRESENTATION OF THE L-BAND RADAR AT THE INTERNATIONAL
MILITARY-TECHNICAL FORUM ARMY-2021



Iterative bipolarization airborne radar with synthesized L-band antenna aperture, a joint development of JSC Radio Engineering Institute named after Academician A.L. Mints and the Mari State University

PRESENTATION OF THE GEOSAR GEOPORTAL AT THE
INTERNATIONAL MILITARY-TECHNICAL FORUM ARMY-2022



Geoinformation web-based system for displaying and processing Earth remote sensing data, a joint development of JSC Radio Engineering Institute named after Academician A.L. Mints and the Mari State University

"GEOSAR" GEOPORTAL

МАРИЙСКИЙ
ГОСУДАРСТВЕННЫЙ
УНИВЕРСИТЕТ



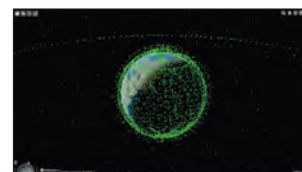
The geoportal was created by the engineering center of the Mari State University. It is used to display real and simulated data from radar sensing of the Earth by airborne radars in the mode of synthesizing the antenna aperture of aircraft and space-based.

The geographic information system consists of three sections:
Earth, Space, Thematic.

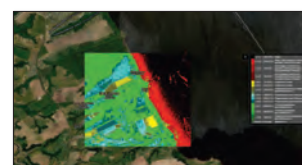
Earth



Space



Thematic



PARTICIPATION IN THE EXHIBITIONS

МАРИЙСКИЙ
ГОСУДАРСТВЕННЫЙ
УНИВЕРСИТЕТ



2022

**International Military-
Technical Forum
"Army-2022"**

Moscow, Russia

2023

**International Forum
"Defense and Defense
Technologies"**

Abu Dhabi, UAE

2023

**International Forum
«Egypt Defence Expo
EDEX-2023»**

Cairo, Egypt

2024

ADEX-2024»

Baku, Azerbaijan

ELECTRIC POWER ENGINEERING

МАРИЙСКИЙ
ГОСУДАРСТВЕННЫЙ
УНИВЕРСИТЕТ



LABORATORY OF ELECTRICAL INSTALLATION AND CONSTRUCTION OF LOW-VOLTAGE ELECTRICAL EQUIPMENT



**PROJECT
PARTNERS**



**Load balancing device for 0.4 kV
three-phase distribution networks**

mass production

Equalization of phase loads of an electric network among themselves by switching consumers from a more loaded phase to a less loaded one without changing or with the possibility of changing the initial phase sequence, depending on the type of connected load, **in order to reduce power losses and improve power quality parameters**

ARTIFICIAL INTELLIGENCE AND HIGH-PERFORMANCE COMPUTING

МАРИЙСКИЙ
ГОСУДАРСТВЕННЫЙ
УНИВЕРСИТЕТ



275
tFlop/s



digital
pedagogy



digital
agriculture



digital
energy industry



digital
medicine



digital
economy



digital
law

19
place

Top 50
supercomputers
of the
Russian Federation

6
place

State
higher
education
institutions

MOBILE APPLICATIONS OF MARSU ARE
the silver medalists in the nomination personal
accounts of the Digital contest **Tagline Awards**

My
MarSU



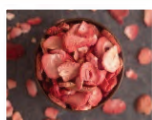
MarSU:
LKP



With the support of
PJSC "MAC "Vimpel",
on the basis of the university
was installed **a robot
telescope** included in a
network of optical robotic
telescopes for monitoring near-
Earth space objects

AGRICULTURAL INDUSTRY

МАРИЙСКИЙ
ГОСУДАРСТВЕННЫЙ
УНИВЕРСИТЕТ



Study of features and
characteristics of products
dried in a freeze-drying unit



Study of the effect of intra-soil
application of liquid organic
fertilizer on agrochemical soil
parameters and yield of spring
wheat



Development of agricultural
technology to improve the
quality of malting barley grain



The effectiveness of granular
organic fertilizer made from
sludge (sewage treatment
plant sediments) in the
cultivation of cultivated plants



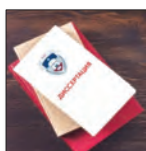
LABORATORY AND FOOD COMPLEX



CITY FARMING LABORATORY

- 👉 3D modeling technology for the formation of the dairy type of horses of the Russian heavy-duty breed
- 👉 Increasing the productivity of farm animals and birds by using *Chlorella vulgaris* dry biomass nano-capsules in pectin
- 👉 Economic security of subjects of the tariff regulation system of commodity markets of basic industries: thermal energy, water supply and sanitation

URALIC LANGUAGE LEARNING CENTER

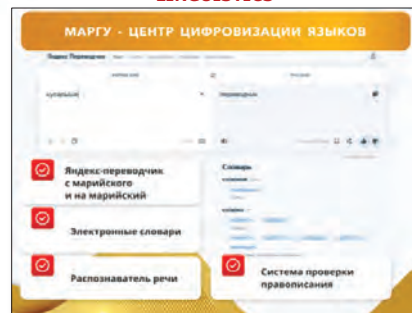


THE DISSERTATION COUNCIL
for the degree of Candidate of Sciences,
for the degree of Doctor of Sciences in
scientific specialties:
**5.9.1 Russian Russian literature and
the literature of the peoples of the
Russian Federation**
**5.9.5 The Russian language.
Languages of the peoples of Russia**



SMART SPEAKER,
speaking Mari language

LABORATORY OF NATIONAL DIGITAL LINGUISTICS



Preservation and enhancement of the unique cultural heritage of the Mari, Finno-Ugric and other peoples of multinational Russia, as well as digitalization of the cultural heritage of the peoples of Russia

OPPORTUNITIES FOR PERSONAL FULFILMENT OF THE YOUTH



Educational Track

- Academic process digitalization
- Educational online courses development
- Educational project implementation



Scientific and Research Track

- Scientific research in different spheres
- Scientific and design project development
- Grant activities



Business Track

- Start-up development
- Business project implementation

> 30
student associations

> 80
scientific laboratories and centres

> 1900
publications of
students of young
researchers per year

> 20
events

- Clinical Medicine
- Psychology of Health
- Latin without Borders
- Health Initiatives
- etc.

- Laboratory of Breakthrough Molecular Genetic Technologies
- Artificial Intelligence Centre
- etc.

- STUDENT SCIENCE AND THE 21ST CENTURY YOUNG RESEARCHER
- etc.

- Summer University
- Project School
- Accelerator
- etc.

TOP-5 SKILLS FOR YOU

- ☐ development and implementation of projects and start-ups
- ☐ development of digital services
- ☐ creation of educational online courses
- ☐ design of the university processes
- ☐ practical application of skills in the field of scientific research



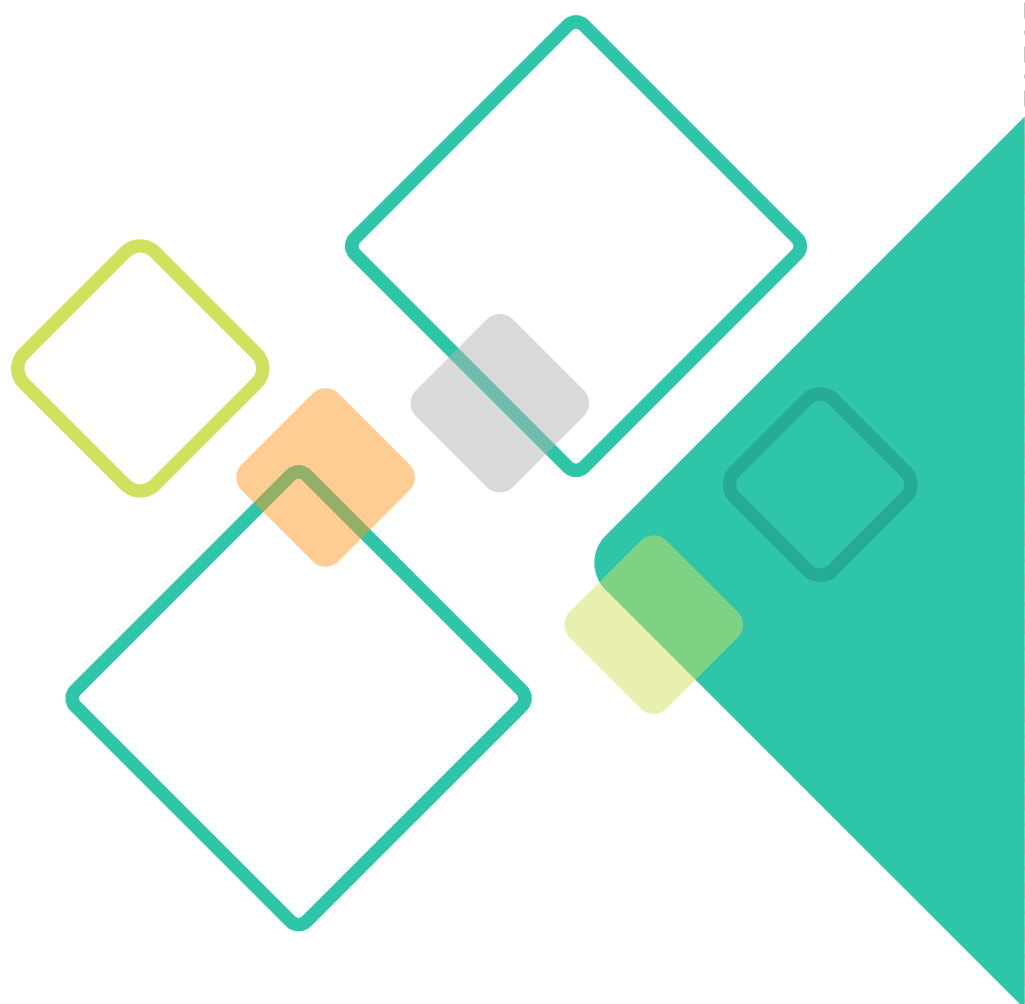


**THANK YOU
FOR YOUR ATTENTION!**

Contact information:

Mari State University
Address: pl. Lenina 1, Yoshkar-Ola, 424000.
Phone: +7 (8362) 68-80-02
Web: www.marsu.ru
E-mail: rector@marsu.ru

North Ossetian State University





HISTORICAL BACKGROUND

NOSU
NORTH OSSETIAN
STATE UNIVERSITY
after K. L. Khetagurov

- The Caucasus region as a strategically important zone in Russian-Iranian relations
- Ancient cultural and historical links between the peoples of the North Caucasus and Iran



Lists of Persians living in Vladikavkaz
in the beginning of the 20th century



Petition of a Persian Citizen

BEGINNING OF COOPERATION



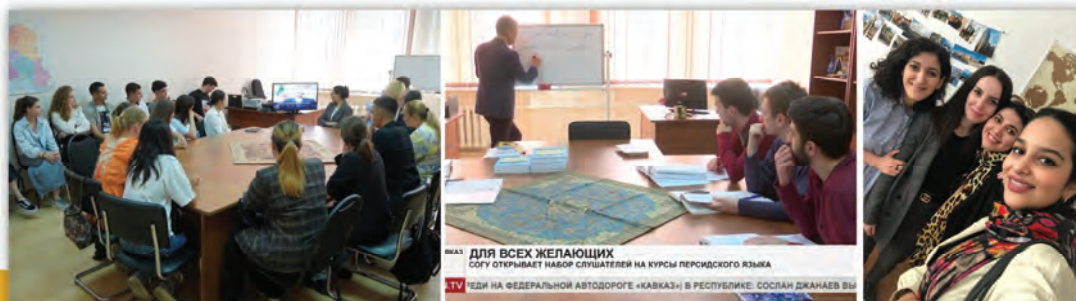
- Opening of the Center for Iranian Culture at NOSU in 2014
- Persian language courses, seminars, and cultural events
- Signing of Memorandum of Cooperation with Allameh Tabataba'i University in 2016



EDUCATIONAL PROGRAMS



- Opening of the Bachelor and Master's degree programmes "Oriental and African Studies" ("Iran in the Modern Era") in 2018
- Academic student exchange
- Iranian professors in the educational process of NOSU



CULTURAL PROJECTS



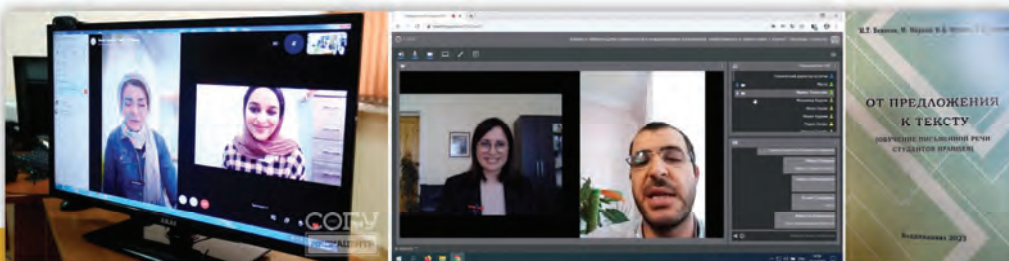
- Unveiling of a bust to the greatest Persian poet Abu'l-Qasem Ferdowsi at NOSU in 2019
- Unveiling of a bust to the greatest Ossetian poet Kosta Levanovich Khetagurov at Allameh Tabataba'i University in spring 2025
- Publication of Kosta Levanovich Khetagurov 's poetry collection "Ossetian Lyre" into the Persian language



ACADEMIC COOPERATION



- Online courses of the Russian and Ossetian languages for Iranian students
- Publication of a book on the methodology of development of written speech of Iranian students (Russian syntax)



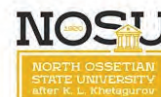
SCIENTIFIC COOPERATION



- Joint research in Physics, History and Philology with Iranian universities
- Three joint scientific grant projects and publications in high-ranking scientific journals
- Joint conferences and roundtables



SPORTS ACHIEVEMENTS

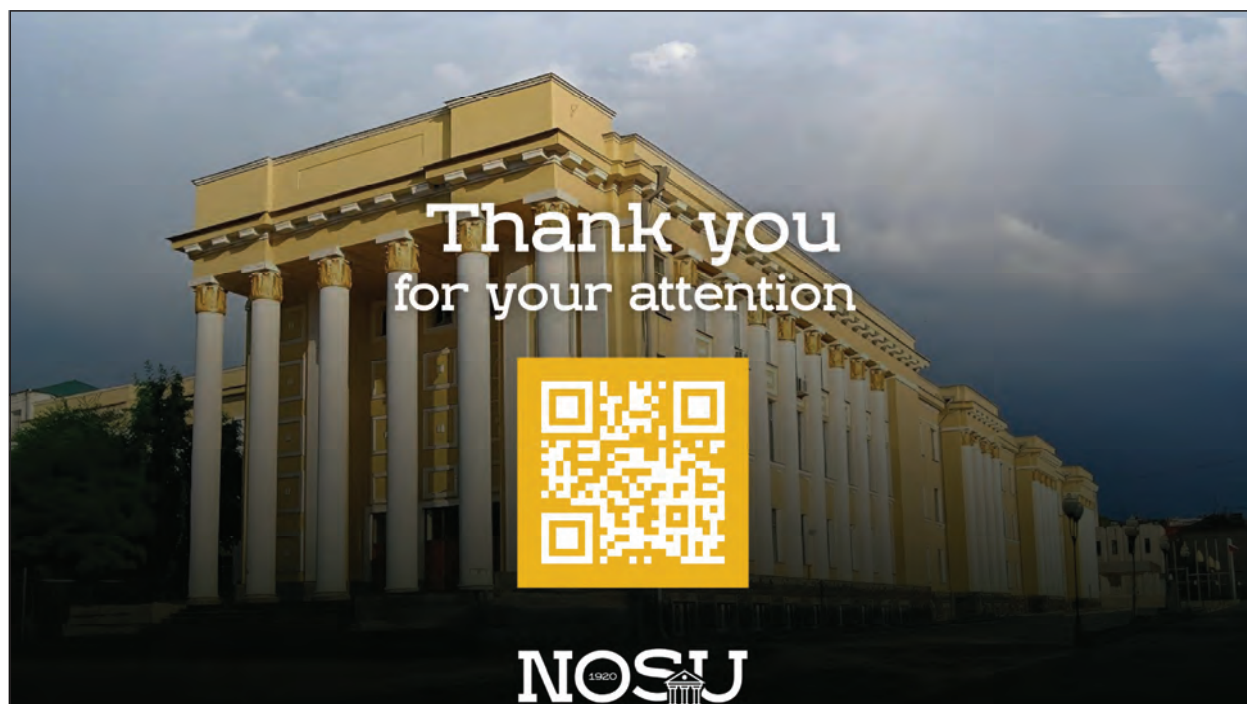


- **24** Olympic champions and medalists- winners and medallists of World Championships, European and other international competitions
- more than **500** masters of sports
- **95** masters of sports of international class
- over **40** honored masters of sports- more than **70** coaches have the title of «Distinguished coach of Russia»

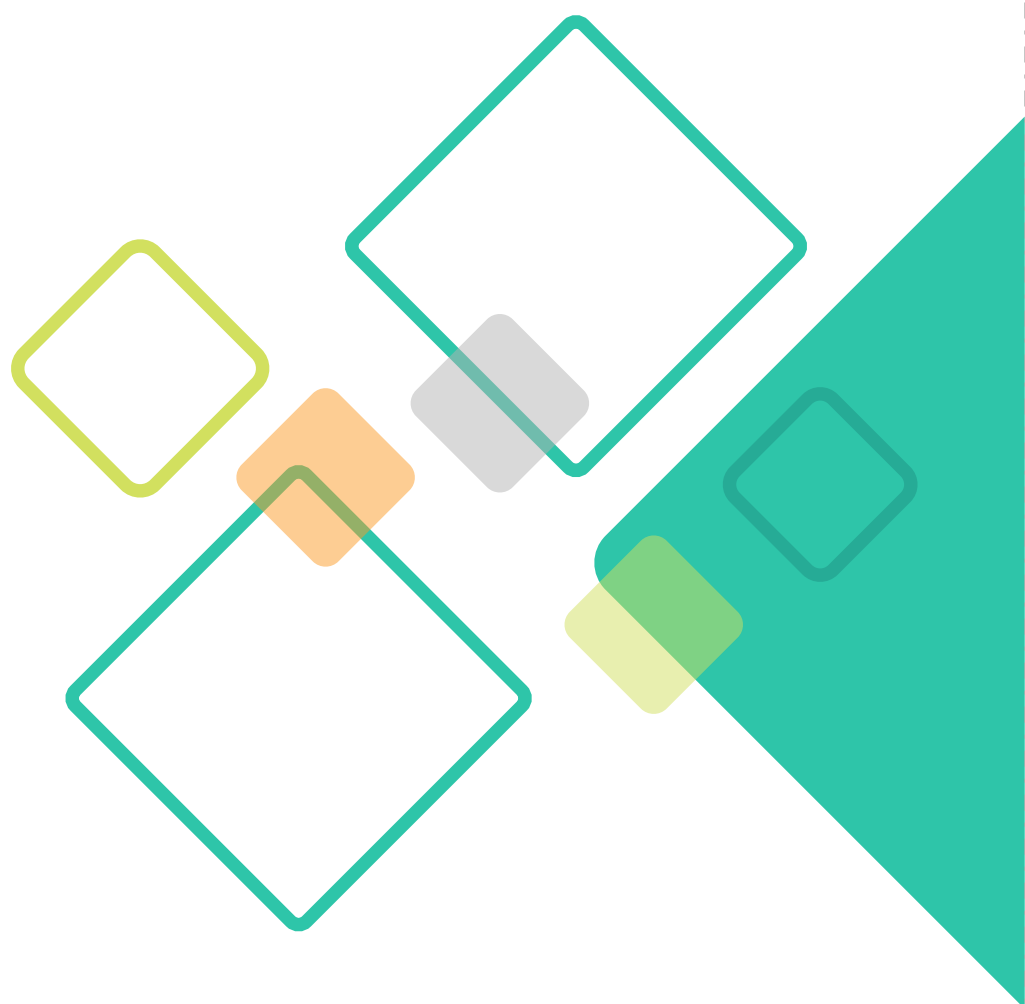
The most popular sports in NOSU:

- Freestyle wrestling - **14** champions
- Judo
- Fencing
- Greco
- Roman wrestling
- Weight lifting
- Track and field athletics
- Shot put
- Football





Peter the Great St. Petersburg Polytechnic University



Peter the Great St. Petersburg Polytechnic University



Potential of SPbPU for development of scientific and educational cooperation with universities of IRAN

Prof. Viktor Barskov
 Director of the Institute of Energy
 of Peter the Great St. Petersburg Polytechnic University

7th Summit of Presidents of Top Iranian and Russian Universities
 February 17-19, 2025

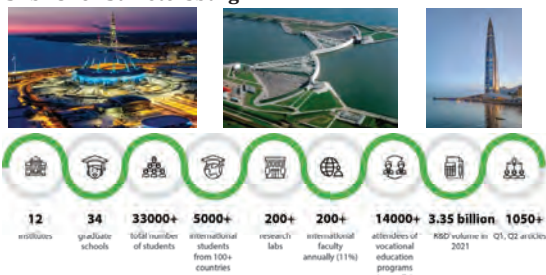
2

Peter the Great St. Petersburg Polytechnic University

- 350+ Programs BSc, Dipl.Eng, MSc, PhD., Post-Doc
- 200+ Vocational education programs
- 50+ Joint and network programs

Participation in national & priority projects of Russia
 2007 The winner of the "Innovative University" contest held within the frame of the national project "Education"
 2010 "National Research University" status
 2013 Participant of the Academic Excellence Project "5-100" for enhancement of competitiveness of the leading Russian universities
 2017 The winner of the priority project on export of Russian education for the 2017 - 2025
 2018 National Technological Initiative Center
 2020 World-Class Research Center for Advanced Digital Technologies status
 2021 Federal program of Strategic Academic Leadership "Priority 2030"
 2022 The winner of the national project "Advanced Schools of Engineering"

SPbPU for St. Petersburg



Category	Value
Institutes	12
Graduate schools	34
Total number of students	33000+
International students	5000+
Research labs	200+
International faculty	200+
Vocational education programs	14000+
R&D volume in IQI, IQ2 articles	3.35 billion
Articles	1050+

ENGINEERING:

- Civil Engineering
- Energy Efficient and Sustainable Building
- Environmental Engineering in Urban Construction
- Emergency Preparedness and Response
- Power Plant Engineering
- Electrical Engineering
- Nuclear Power Engineering
- New Materials and Additive Technologies
- Laser and Fiber Optic Systems
- Continuum Mechanics: Fundamentals and Applications
- Mechanics and Mathematical Modeling
- Microelectronics of Telecommunication Systems
- Intelligent Systems

NATURAL SCIENCES

- Smart Nanostructures and Condensed Matter Physics
- Advances and Applications in Plasma Physics
- Molecular and Cellular Biomedical Technologies

ECONOMICS & MANAGEMENT

- Business Development
- Quantitative Finance
- International Trade Relations
- Business Engineering
- Leadership and Entrepreneurship
- Advertising and PR in International Communications

HUMANITIES

- Digital Linguistics
- Applied Linguistics and TESOL
- Region Studies: Russian Federation

PHD PROGRAMS

ENGINEERING & TECHNOLOGY

- Civil engineering
- Transportation and technological complexes
- Engineering machinery
- Robots, mechatronics, and robotic systems
- Engineering technology
- Electrical engineering
- Renewable energy
- Solid state electronics
- Cyber-physical systems
- Digital signal processing

HUMANITIES

- Philosophy of science and technology

PHYSICAL SCIENCES

- Physical electronics
- Biophysics

BIOLOGY & BIOTECHNOLOGY

- Molecular biology
- Biotechnology
- Ecology
- Neurobiology
- Virology and immunology

MATERIALS SCIENCE

- Materials science
- Metal forming
- Nanotechnology and nanomaterials
- New materials

HUMANITIES

- History of international relations
- Philosophy of science and technology

COMPUTER & DATA SCIENCE

- Mathematical modeling, numerical methods and software tools
- Systems analysis, control and information processing
- Management in organizational systems
- Mathematical and software support for computers, complexes and computer networks
- Engineering geometry and computer graphics

ECONOMICS & ECONOMETRICS

- Regional and sectoral economy
- World economy
- Finance and accounting
- Digital economy
- Risk management
- Enterprise architecture

MATHEMATICS & ARTIFICIAL INTELLIGENCE

- Artificial intelligence and intelligent control systems
- Industrial automation and control
- Mathematical methods in economics

3

INTERNATIONALIZATION

SPbPU is in the TOP-3 most international universities of Russia in the THE ranking, 139th place in the world

125



18% (5000+) international students
400+ global partners
11% (200+) visiting professors
350+ programs BSc, Dipl.Eng, MSc, PhD., Postdoctoral
60+ international projects
50+ joint and network programs
15+ joint institutes, centers, labs
 Slavonic universities project



COOPERATION BETWEEN SPBPU AND IRANIAN UNIVERSITIES

1. Sharif University of Technology;
2. Iran University of Science and Technology;
3. Shahid Beheshti University;
4. Tarbiat Modares University;
5. Isfahan University of Technology;
6. University of QOM.

Iranian students and PhD students at SPbPU:

- 26 Bachelor and Master students
 - 36 Bachelor and Master students for the last 10 years
- 9 PhD students (System Analysis and Control, Material Science, Welding, IT, Radiotechnics, Electrical engineering)
 - 26 PhD students for the last 10 years

4

SPbPU PROPOSALS FOR IRANIAN UNIVERSITIES

EDUCATION

1. System of grants and scholarships for Iranian students for professional training programs in the Russian Federation

Quotas/scholarships of Rosstrudnichestvo

International Olympiad Open Doors

Grants for participation in Summer and Winter schools

- Largest international Polytechnic Summer/Winter school (40 modules, 650 participants)
- Winter University in engineering sciences (200 participants, 10 countries)



International Polytechnic
SUMMER & WINTER
SCHOOLS



open doors
Russian Scholarship Project
Association "Global Universities"

2. Creating joint and network programs(1+1, 2+2)

SPbPU experience in developing joint programs with Asian and CIS countries

3. Vocational education programs and professional retraining programs in high-demand areas

Development of a wide range of programs in various engineering, economic and humanitarian fields

- New model and modernization of engineering education
- Joint School of Engineering
- Preparatory program for admission to Russian universities
- Russian Language Center

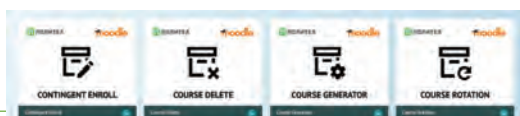
Development of new international continuing education programs in collaboration with industry:

- Innovative technologies for oil and gas production
- Nuclear power

Implementation of national and interstate projects:

- Winter School of Advanced Engineering School (100 participants)
- Summer School of the Russia-African Network University (250 participants, 19 universities)

4.



5

THE INSTITUTE OF ENERGY
HAS BEEN TRAINING SINCE 1902



Institute of Energy



Among graduates and those who worked and studied at IE

- Nobel Prize winner Pyotr Kapitsa
- Head of the Atomic Project Julius Khariton
- Members of the Academy of Sciences Mikhail Shatelen, Leonid Neiman, Kamo Demirchyan, Nikolay Tikhodeev, Mikhail Kirpichev and others
- Scientific laboratory "Ecology of energy", scientific consultant - Nobel laureate Rae Kwon Chung
- SPR, together with students and graduate students, perform research work for various companies Rosseti, Rosatom, Gazprom, Gazpromneft, UEC, TGC and OGK, Power Machines (Student Engineering Design Bureau), etc.

2500 STUDENTS

MORE THAN

100 PHD STUDENTS

38 PROFESSORS

115 CANDIDATES OF SC.

6

HIGHER SCHOOLS:



Institute of Energy



Nuclear and Thermal Power engineering

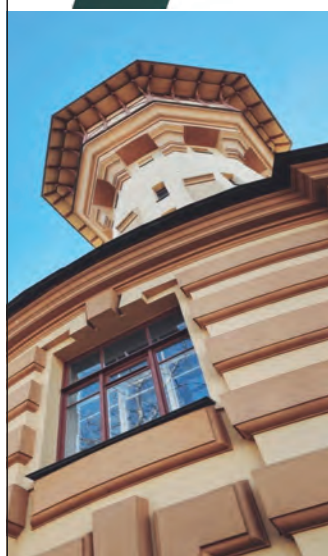
High Voltage Engineering

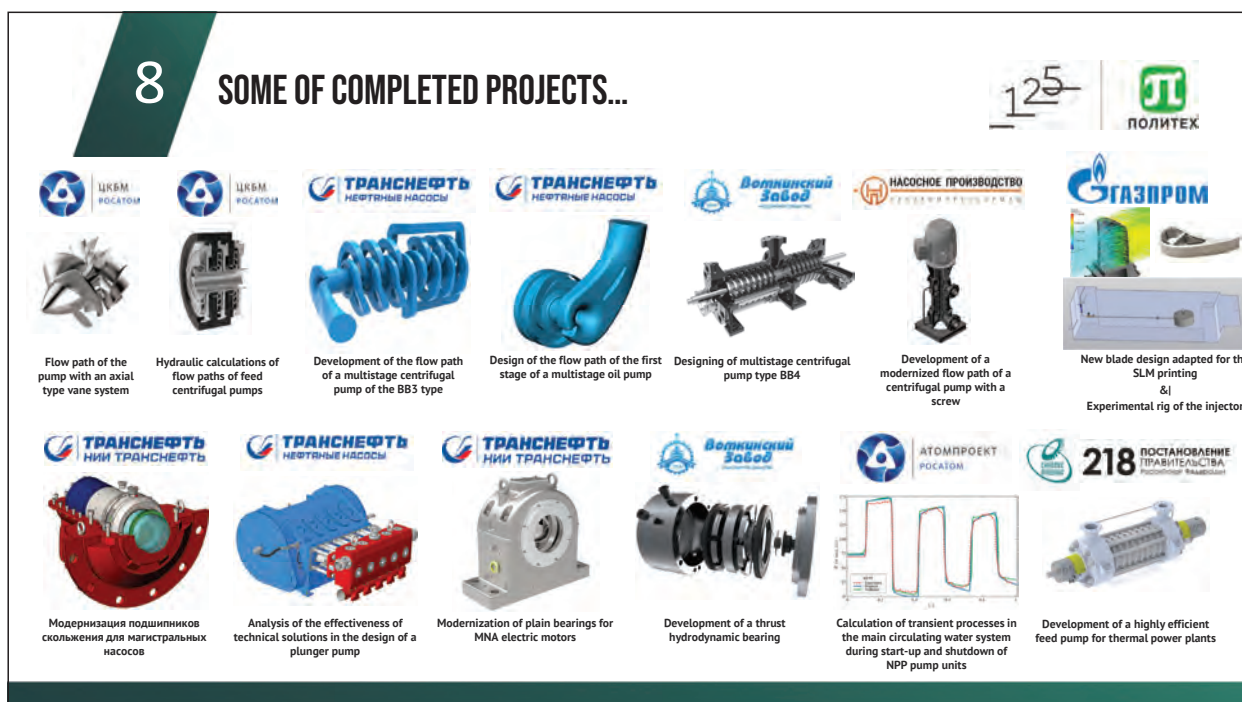
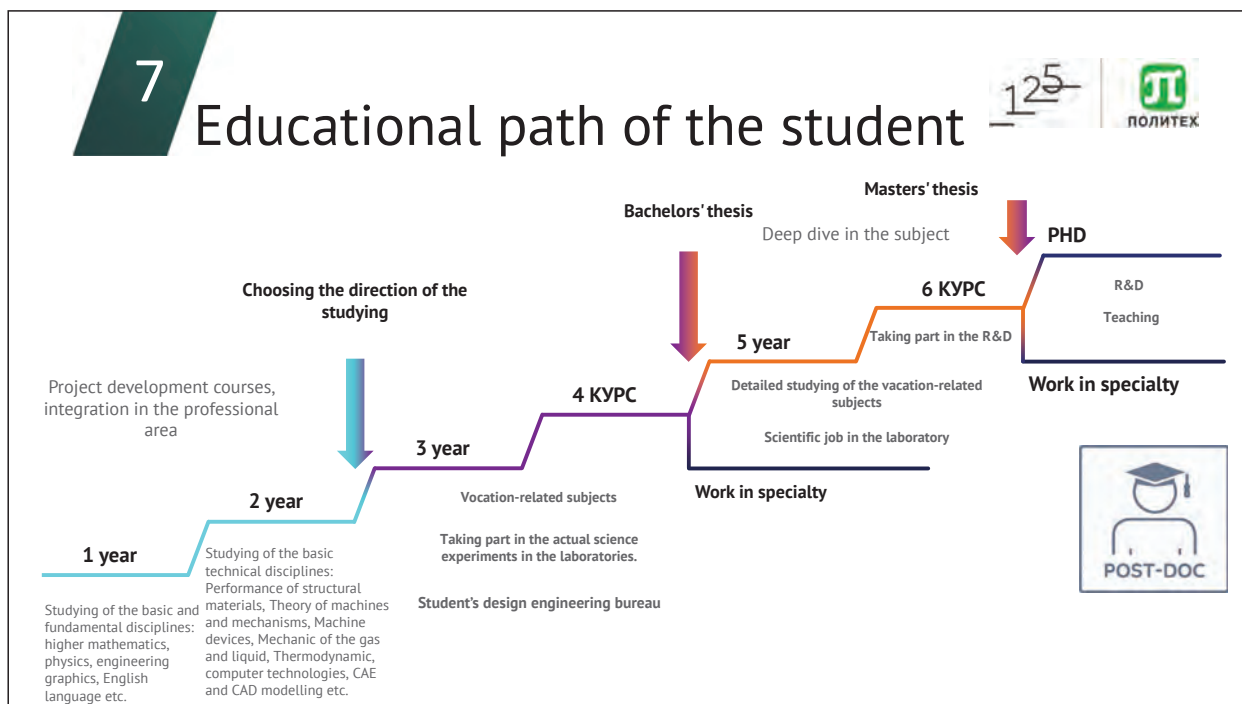
Electrical Systems Engineering

Power Engineering

AREAS OF TRAINING:

- ❖ Thermal power engineering and heating engineering
- ❖ Electrical power and electrical engineering
- ❖ Research, design, installation and operation of energy machines
- ❖ Nuclear energy and thermophysics







10

Strategic Cooperation between Polytech University and Iranian Universities in Energy Research and Industrial Development

- **Joint Research Centers:** Establishment of specialized research hubs dedicated to collaborative studies and technological advancements.
- **Bilateral Research Funding:** Pursuing national and international funding opportunities to support joint projects.
- **Industrial Partnerships:** Engaging with leading energy corporations to bridge the gap between academic research and industrial needs.
- **Co-Hosted Conferences & Workshops:** Organizing annual symposiums, technical workshops, and knowledge-exchange forums.
- **Joint Degree & Training Programs:** Development of dual-degree programs, certification courses, and professional training modules.

- Exchange of professors and researchers;
- Organization of discussions, seminars, and scientific meetings;
- Exchange of scientific and educational materials;
- Development of collaborative research projects and programs;
- Student exchange programs;
- Exchange of publications;
- Utilization and commercialization of research outcomes;
- Scientific collaborations between national and international centers affiliated with each institution;

11

Strategic Cooperation between Polytech University and Iranian Universities in Energy Research and Industrial Development

125



•**Academic & Industrial Training Programs:** Establishment of professional training modules and certification programs for engineers and energy professionals.

- Artificial Intelligence (AI) in Energy
- Reverse Engineering
- Turbomachinery & Turboexpander Applications
- Renewable Energy & Decarbonization
- Gas & Steam Turbine Technologies
- Aviation Engineering
- Hydrogen Energy & Fuel Cells
- Combined Heat & Power (CHP) and Energy Efficiency
- Digitalization & Smart Energy Systems
- Oil & Gas Industry Innovation
- Nuclear Energy & Advanced Power Technologies
- Energy Storage & Grid Stability
- Water Desalination & Sustainable Water Use



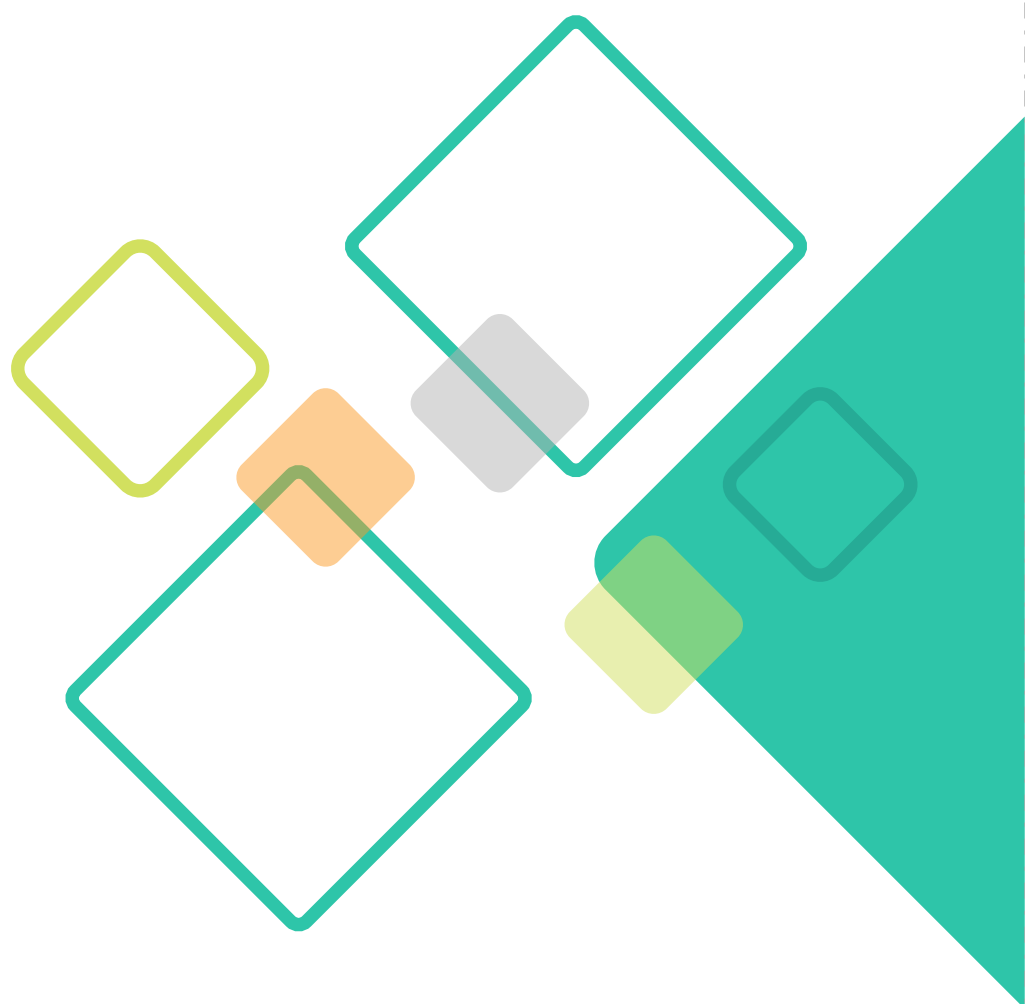
Thank you!

CONTACTS

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Petersburg,
Polytechnicheskaya, 29
+7 (812) 534 10 02
english.spbstu.ru
intadm@spbstu.ru



Sevastopol State University





СЕВАСТОПОЛЬСКИЙ
ГОСУДАРСТВЕННЫЙ
УНИВЕРСИТЕТ

MAIN DIRECTIONS OF SCIENCE AND TECHNOLOGY DEVELOPMENT IN SEVSU AND PROSPECTS FOR COOPERATION WITH UNIVERSITIES IN THE ISLAMIC REPUBLIC OF IRAN

Speaker:
RECTOR VLADIMIR NECHAEV



ABOUT SEVASTOPOL



Sevastopol

- Third federal city in Russia
- Industrial center of Southern Russia
- Scientific and Educational Center of the South of Russia
- Cultural cluster on the Black Sea

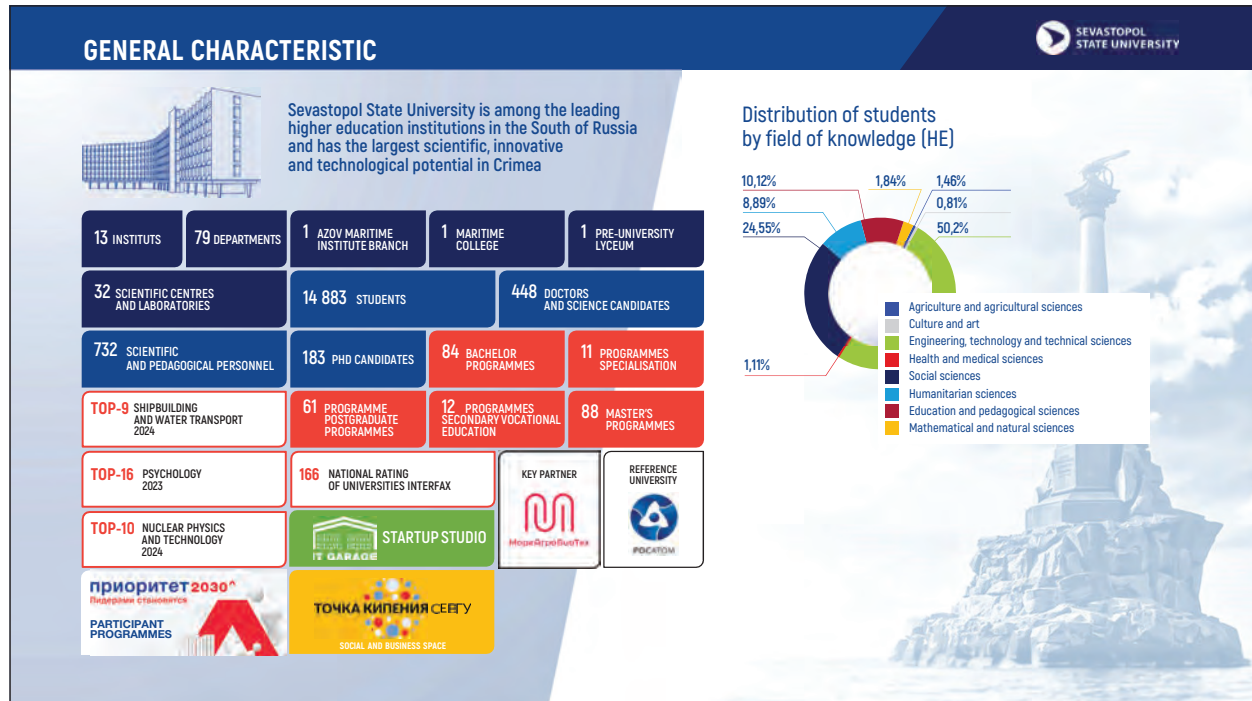


Historical background

Sevastopol means "sacred city" from Greek. It was founded in 1783 by decree of Empress Catherine II. Since 1804, Sevastopol - the main military port of the Black Sea of Russia.



Sevastopol State University



ENGINEERING DIRECTIONS


СЕВАСТОПОЛЬСКИЙ
ГОСУДАРСТВЕННЫЙ
УНИВЕРСИТЕТ









- Biotechnological Systems and Technologies
- Automation of Technical Processes
- Mechanical Engineering
- Telecommunication Technologies and Systems
- Radio Engineering and Radio Electronics
- Mechatronics and Robotics
- Micro- and Nanoelectronics
- Nuclear Power Plants: Design and Operation
- Electric Power Industry
- Electrical Engineering
- Operation of Maritime Power Plants
- Design and Construction of Ships
- Maritime Technologies
- Navigation
- Artificial Intelligence and Machine Learning
- Computer Science and Engineering
- Software Engineering

Levels of education

- Bachelor's degree
- Master's degree
- Specialist degree
- Postgraduate degree



NATURAL SCIENCE DIRECTIONS AND MEDICINE


СЕВАСТОПОЛЬСКИЙ
ГОСУДАРСТВЕННЫЙ
УНИВЕРСИТЕТ




- Meteorology and Climatology
- Biophysics and Bioinformatics
- Satellite Oceanology
- Supercomputing
- Hydrobiology
- Maritime Physics
- Molecular Biology
- Biotechnology
- Medical Cybernetics
- Medical Biophysics
- General Medicine

Levels of education

- Bachelor's degree
- Master's degree
- Specialist degree
- Postgraduate degree



SOCIAL AND HUMANITARIAN DIRECTIONS



- International Relations
- Media Communications
- Political Sciences
- Philology
- Linguistics
- Finance and Credit
- Management
- Economy
- Criminalistics
- Jurisprudence
- Maritime Law
- Advocacy
- International Law
- Russian as Foreign Language
- Pedagogical Education
- Psychology

Levels of education

- Bachelor's degree
- Master's degree
- Specialist degree
- Postgraduate degree



TERRITORIAL DEVELOPMENT



- Reconstruction and Restoration
- Landscape Architecture
- Urban Planning
- Hotel Business
- Construction
- Architecture
- Design
- Winemaking
- Gardening

Levels of education

- Bachelor's degree
- Master's degree
- Specialist degree
- Postgraduate degree



SCIENTIFIC RESEARCH ACTIVITIES



1. HIGH TECHNOLOGIES IN THE MARINE FIELD
2. DESIGN AND DEVELOPMENT OF UNMANNED AIRCRAFT SYSTEMS & UNMANNED BOATS
3. RENEWABLE ENERGY: DEVELOPMENT AND DESIGN OF ENERGY SYSTEMS
4. ENVIRONMENTAL RESEARCH AND TECHNOLOGY
5. SOFTWARE DEVELOPMENT FOR MODERN ENGINEERING

DESIGN AND DEVELOPMENT OF UNMANNED AIRCRAFT SYSTEMS AND UNMANNED BOATS



Small unmanned boat "Sargan"

It is intended for experimental determination of the characteristics of running characteristics, controllability, stability of the platform of a high-speed underwater unmanned vehicle, to work out the restoration of normal position after overturning, specification of parameters of the propulsion system and location of the payload.

length 2 m width 0.5 m
mass - 20 kg
scaling speed - 15 m/s



The unmanned aerial vehicle "Locust"

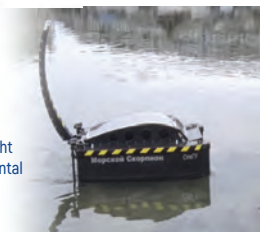
An automated unmanned high-altitude telecommunications platform for placing equipment that solves the tasks of optical video surveillance, radio signal relay, and radar object detection.



Service unmanned boat "Scorpion"

A double-hulled vessel made of modern environmentally friendly material with a combined power supply system

It is intended for cleaning garbage from the surface of the water in limited port areas, yacht clubs, parking bases, municipal and departmental beaches, city embankments, etc.



Unmanned aerial vehicle with a propulsive carrier fuselage "Zhuk"

The 3 by 200 project:

Payload 200 kg;
Range 200 km;
The speed is 200 km/h.

A new direction is propulsive profiles that create thrust. The shape is obtained by solving the inverse problem of aerodynamics according to the given optimal flow properties. Fully laminar flow is provided.



RENEWABLE ENERGY: DEVELOPMENT AND DESIGN OF ENERGY SYSTEMS



Nuclear technology research

SevSU is the only university in the Russian Federation that includes three nuclear facilities: the research nuclear reactor IR-100, the critical nuclear stand "Physical Stand", and the subcritical nuclear stand



New energy technologies and "GREEN" energy

Creation of new competitive and environmentally friendly technologies in the field of energy production and storage, as well as processing of industrial waste



Smart Grid

Research and development in the field of creating new models and products of the global "Digital Distribution Zone"

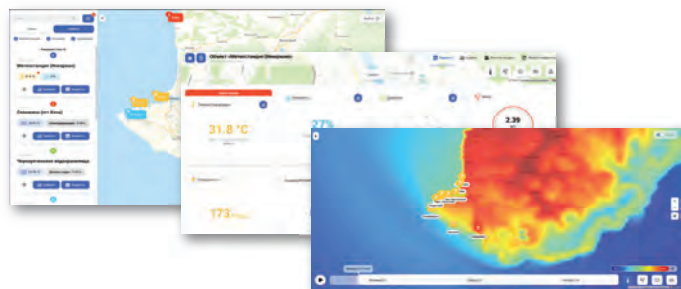
ENVIRONMENTAL RESEARCH AND TECHNOLOGY



Digital twin of the seaside geosystem territory

Digital model of the geosystem of the coastal territory of Crimea, allowing to provide scenario assessments of risks of natural and man-made hazards

A web application (adapted for mobile phones and tablets) with thematic content based on ecomonitoring data. It has a closed part with maximum information from the monitoring network and an open part for public use and public information..



SYSTEM HARDWARE



Autonomous complex for assessing the state of atmospheric air

Analogues : ENVEA Cairnet, HORIBA AQMS, ECO PHYSICS AG



"Beach" buoy for monitoring sea waters in beach areas

Analogues: VIDA DARRERA



Multiparametric observation buoy - Eco-buoy

Analogues : VIDA DARRERA



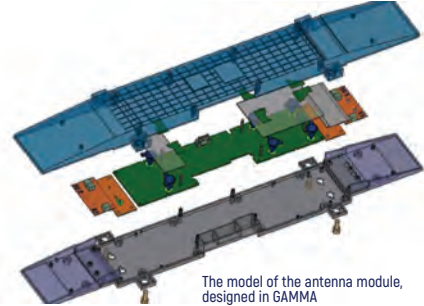
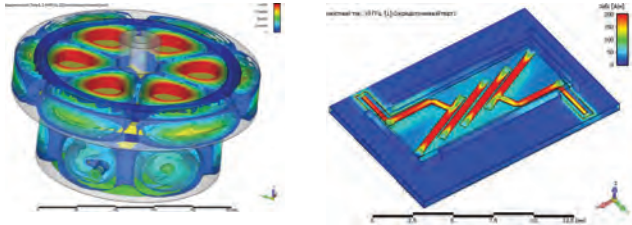
Borehole salt meter for operational control of the degree of salinity in natural waters

Analogues: TROLL 500, In-Situ

SOFTWARE DEVELOPMENT FOR MODERN ENGINEERING



CAD GAMMA is a Russian platform for modeling RF/microwave devices in order to optimize their design



The model of the antenna module, designed in GAMMA

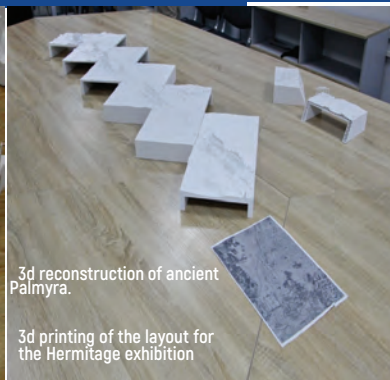
A software package for computer-aided design and modeling of complex high-frequency radio electronic systems



Development of antenna-feeder devices, including phased array antennas
Development of RF and microwave printed circuit boards
Development of elements of microwave circuits: transmission lines, dividers, filters, resonators, etc.

The accuracy of the simulation is comparable to commercial programs ANSYS HFSS, SPEAG SEMCAD, CST Studio and is in good agreement with the measurement data.

DIGITAL TECHNOLOGIES IN THE PRESERVATION OF CULTURAL HERITAGE

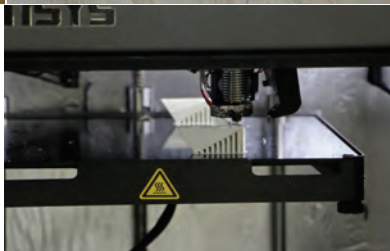
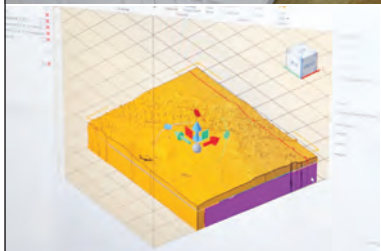


3d reconstruction of ancient Palmyra.

3d printing of the layout for the Hermitage exhibition



3d reconstruction of the Basilica of Chersonesos

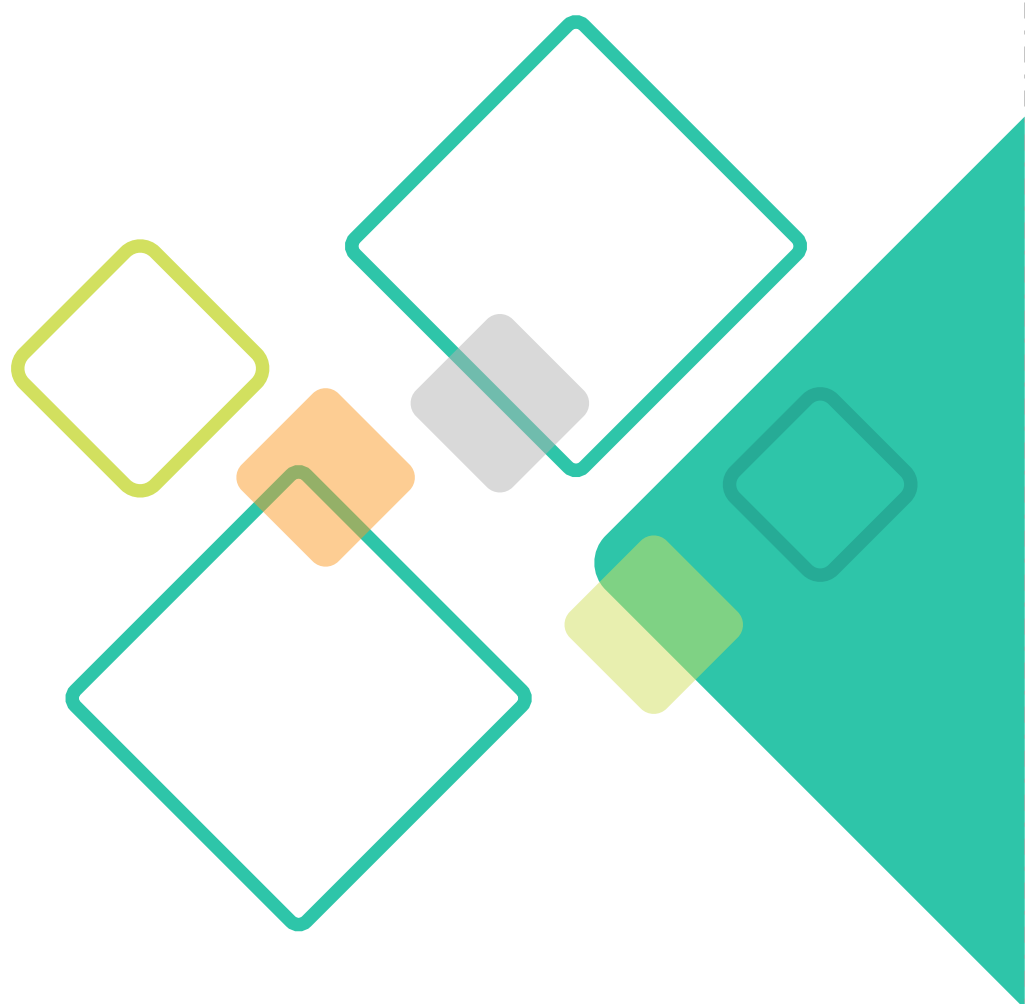


**THANKS FOR YOUR
ATTENTION!**



S E V S U . R U

Ufa University of science and technology





BASHKORTOSTAN REPUBLIC

Bashkortostan is a multinational, multiconfessional and hospitable Russian region at the junction of two continents – **Europe and Asia**

The capital **Ufa** is one of the largest economic, cultural and scientific centers of Russia

The population of Bashkortostan is **over than 4 million** people

More than 100 000 students from different regions of Russia study in Bashkortostan

MULTICULTURAL DIVERSITY

COMFORTABLE ENVIRONMENT

TOP-5 INDUSTRIAL CENTERS IN RUSSIA

«GREEN» CITY

Ufa University of science and technology

48 000
students

**MODERN LABORATORIES
EQUIPPED
WITH THE LATEST
TECHNOLOGY**

**CONVENIENT
LOCATION IN THE
HISTORICAL
CITY CENTER**

10
INSTITUTES

4
FACULTIES

6
BRANCHES

5
COLLEGES

**2024
2025**

**A WORLD
LEVEL
CAMPUS**
will be built
next to the
university

**SPACE
SATELLITE**

**DYNAMIC
INTERNATIONAL
ACTIVITIES**

Internships at partner
universities in **20 countries**

over **3 000**
international students from
60 countries

**110 foreign
partner organizations**

12
thematic
museums

**SUPER
COMPUTER**

System of personnel training (Faculties / Institutes and Branches)

Natural Science Core

- Institute of Computer Science, Mathematics and Robotics
- Institute of Chemistry and Emergency Protection
- Institute of Nature and Man
- Physics and Technique Institute

Technology core

- Institute of Technology and Materials
- Institute of Electrical Engineering
- Faculty of Aircraft Engines, Energy and Transportation
- Faculty of Training Engineering Personnel at «UEC-UMPO»
- Advanced Engineering School «Motors of the Future»

Socio-humanitarian core

- Institute of Economics, Management and Business
- Institute of Law
- Faculty of Bashkir Philology, Oriental Studies and Journalism
- Institute of Humanities and Social Sciences
- Institute of History and Public Administration

BRANCHES IN CITIES:

- Sterlitamak
- Sibai
- Neftekamsk
- Kumertau
- Ishimbay
- Birk

Ufa University of science and technology





PRIORITY EDUCATIONAL DIRECTIONS

- Computer and Information Sciences
- Mathematics and mechanics
- Industrial ecology and biotechnology
- Physics and astronomy
- Chemistry
- Chemical technology
- Earth sciences
- Biological Sciences
- Informatics and Computer Engineering
- Information Security
- Mechanical engineering
- Aviation and rocket and space technology
- Electronics, radio engineering and communication systems

- Materials Technology
- Nanotechnologies and materials
- Psychological sciences
- Economics and Management
- Sociology and social work
- Jurisprudence
- Political sciences and regional studies
- Linguistics and literary criticism
- History and archeology
- Photonics, instrument making, optical and biotechnical systems and technologies
- Air navigation and operation of aviation and rocket and space technology
- Electric and thermal power engineering
- Mass media and information and librarianship
- Technosphere safety and environmental management
- Control in technical systems
- Education and Pedagogical Sciences
- Physical Culture and sport
- Cultural studies and sociocultural projects
- Oriental and African studies

79 bachelor's
degree
programs

19 specialist's
degree
programs

72 master's
degree
programs

1022 state-
funded
master's places

3819 state-funded
bachelor's &
specialist's places

ENGLISH PROGRAMS

Bachelor

- Applied programming and data analysis
- International Relations
- Software Engineering
- Mechatronics and robotics
- Technical Operation of Aircraft and Engines
- Medical Genomics

Master

- Modeling of Oil and Gas Processes
- Power and Electrical Engineering



LARGE EDUCATIONAL-SCIENTIFIC-INNOVATIVE COMPLEX

priority2030⁺
leaders are made, not born

37 EDUCATIONAL
& SCIENTIFIC
LABORATORIES

18 SCIENTIFIC
& EDUCATIONAL
CENTERS

14 STUDENT
DESIGN
BUREAUS

9 SMALL
INNOVATIVE
ENTERPRISES

NEW SCIENCE CENTRES AND YOUTH LABORATORIES

- Center «Higher Engineering School of Aerospace Technology»
- Center «Design of Functional Materials»
- Center «Healthy Longevity»
- Center «ESG Models of New Eco-Territory Growth»
- Center «University Entrepreneurial Initiative»
- Center «Eurasian Educational Design»
- Youth laboratory «New Materials Design»
- Youth laboratory «Population and Medical Genetics»

SCIENCE SCHOOLS

- Electrochemical and Electrophysical Treatment of Metals and Alloys
- Aircraft Piston Engines
- Intelligent Information Processing and Control Methods
- Genetic Technologies for Medicine
- Electromechanical Energy Converters
- Nanostructured Materials

UUST 11

UNITED INNOVATIVE COMPLEX

60 pieces of sophisticated equipment
15 advanced measurement instruments
3 unique scientific installations
4 test complexes
8 analytic and technological areas

Expert Assessments



INDEPENDENT
ACCREDITED
ASSESSMENT



Main areas of expertise

- Characterization of content and properties, complex material analysis
- Assessment of physical and chemical properties of materials
- Technologies of thermal and plastic deformation of metals and alloys

TEST LABORATORY FOR POLYMERS AND COMPOSITES

25 pieces of special equipment
8 unique high precision instruments
5 laboratories

Certified test protocols




Main areas of expertise

- Full assessment of properties of polymers and composites
- Design of new materials with required service properties

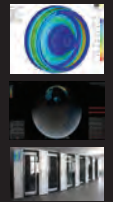






SUPERCOMPUTER TECHNOLOGIES

Extensive experience in research and development of electric machines and heat engines, advanced devices of radio photonics, adaptation of hydrodynamic models, data processing for seismic exploration



- Thermal and gas calculations and models for energy machines of various types
- Short term forecast of aurora Polaris based on open satellite information
- 3D model of a work cycle for gas pumping devices
- Modelling of thermal field and residual stresses during friction welding of gas turbine disks

UUST 12

DEVELOPMENTS IN CHEMISTRY

...

ORGANIC SYNTHESIS IN SUPERCRITICAL CONDITIONS AND NEW CATALYSTS

- Improvement of catalytic properties and selectivity for organic synthesis
- Technologies for obtaining pharmacologically active substances
- Effective recycling technologies based on supercritical fluid reactors and catalysts of new generation
- Import substituted technology for production of vinyl butyl ether from ethylene oxide and butylene



...



HIGH PERFORMANCE OXIDATION REACTORS IN CHEMICAL PRODUCTION

- Structural optimization of catalysts and promoters for high yield industrial chemical production
- Development of technological reactors with process control and optimization of consumption of source compounds
- Technical calculations, quotation and modernization of industrial reactors

...

BIOPRODUCTS TO INCREASE FERTILITY OF SOILS

- Development of biological products based on medicinal plants and endomycorrhizal fungi
- Technologies for synthesis of compounds for biodegradation of toxic waste
- Technology of recultivation of oil-contaminated lands using biological products and phytoremediant plants

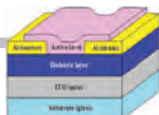


DEVELOPMENTS IN NEW MATERIALS



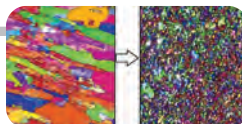
NEW ELECTRICAL MATERIALS FOR NANO-ELECTRONICS

- Solar cell development
- Binary batteries research
- New field effect transistors
- Compact supercapacitors
- Sensors for industrial gases
- Sensors for chiral compounds separation



BULK NANOSTRUCTURED MATERIALS FOR ENGINEERING

- Nanostructured titanium alloys with exceptional strength and elongation
- Superplasticity of metals for highly efficient mechanical production
- Simultaneous improvement of strength and conductivity for aluminum and copper alloys
- Electrochemical processing of metals and alloys
- World recognized leading scientific school



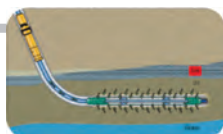
HIGH-TEMPERATURE FUNCTIONAL NANOSTRUCTURED COMPOSITE CERAMICS

- Development and optimization of nanostructured composite ceramics
- Production of functional ceramic materials and products
- High scale industrial production of foam ceramic construction materials

DEVELOPMENTS FOR OIL INDUSTRY

GEOPHYSICAL SUPPORT OF OPERATED HORIZONTAL WELLS

- Technologies for conducting geophysical surveys and algorithms for interpreting field data
- Methodological documents and enterprise standards for the largest oil producing and service companies in Russia



RESONANCE-WAVE COMPLEX FOR WELL LIQUID TREATMENT

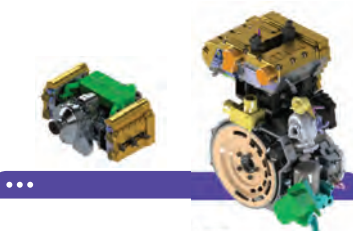
- Downhole fluid treatment device to reduce scale formation on the outer and inner surfaces of submersible equipment
- Implementation and operation at subsidiaries of large oil and gas companies

TECHNOLOGIES OF SHOCK-WAVE INFLUENCE IN LIQUID, GAS AND PLASMA

- Small-tonnage production of organic fertilizers based on shock wave technology
- Manufacture of industrial plants for wastewater treatment from phenol
- Production of cracking catalysts with improved parameters



DEVELOPMENTS FOR AVIATION



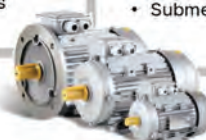
SCALABLE AIRCRAFT PISTON ENGINES

- Series of Russian piston aircraft engines with enhanced performance
- Wide range of fuels
- Suitable for small aviation



TECHNOLOGIES FOR NEW GENERATION GAS TURBINE ENGINE

- Digital twins of engine and its systems
- Advanced welding
- Large size titanium casting
- Additive technologies
- Surface coating technologies



NEW GENERATION ELECTRIC MACHINES

- Electric generators for hybrid aircrafts
- Electric generators for gas pumping devices
- Traction motors for light aircraft
- Electric motors for UAVs
- Submersible motors for oil wells

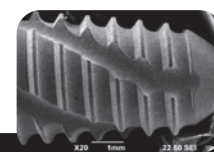
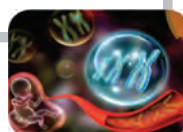


SEPARATION OF OPTICALLY PURE CHEMICALS AND MEDICAL DRUGS

- Preparative separation of enantiomers for pharmacology and small scale chemical industry
- Environmental analytic center for independent monitoring of food quality
- Development of a "green standard" for organic food
- Technologies of complete quality control for chemical industry

GENOMIC TECHNOLOGIES

- Unique collection of genetic biological material from Eurasian population (40k+ samples)
- Test-systems for non-invasive pre-natal testing via digital PCR test
- Laboratory of neurocognitive genomics
- Center for molecular medicine
- World recognized leading scientific school



MATERIALS AND COATINGS FOR BIOMEDICAL IMPLANTS

- Nanostructured titanium and its alloys for orthopedic and dental implants
- Nanostructured magnesium and zinc alloys for bioresorbable traumatology implants
- Smart biomimetic coating having bone-like morphology and interacting with extracellular matrix

DEVELOPMENTS FOR MEDICINE

DEVELOPMENTS IN INTEGRATED PHOTONICS

GENERATION OF MICROWAVE CARRIERS USING INTEGRATED RADIOPHOTONICS

- Design of an integrated optoelectronic oscillator as a stable microwave source
- Method for the precise control of the microwave frequency by adjusting the phase in the optoelectronic oscillator loop
- Control of microwave oscillations of an optoelectronic oscillator using frequency downconversion

INTEGRATED SENSOR SYSTEMS FOR DETECTING IMPURITIES IN LIQUIDS AND GASES

- Technology for single-chip integration of refractometric sensors and interrogator
- Method of a multi-sensor interrogation by a single integrated interrogator
- Increasing the sensor systems sensitivity due to optoelectronic oscillator-based frequency interrogation based

GENERATION OF OPTICAL VORTICES USING INTEGRATED PHOTONICS

- Methods for in-plane generation of the first-order vortices
- Integrated out-of-plane emitter – (de)multiplexer of vortices
- Tunable vortex emitter based on microring resonator with PN Depletion Diode
- Tunable vortex emitter based on microring resonator with phase change material

DEVELOPMENTS IN WIRELESS COMMUNICATIONS

ENERGY-EFFICIENT SOURCE CODING BASED ON COORDINATED DIFFERENTIAL PROCESSING OF CORRELATED SIGNALS

- Coordinated difference codec for image compression
- Machine learning methods in coordinated differential signal processing
- Coordinated difference codec for multimedia data compression



THE ADAPTIVE ANTENNA SYSTEM FOR VEHICLE-TO-EVERYTHING (V2X) SYSTEMS

- Compact planar antennas for V2X systems (5.8 GHz band)
- The planar phased antenna array with a wide scanning angle in the horizontal plane (5.8 GHz band)
- ML-based beamsteering algorithm for detection of the «connected car» and maintaining the connection within the service area of the intelligent radio node

DEVELOPMENTS FOR SOCIETY



GEOPARKS AND GEOTOURISM

- Geotouristic trails
- Strategies for development of non-industrial territories
- Interaction with UNESCO
- Projects of Specially Protected Natural Territories
- Estimates of recreational capacity

ESTIMATION OF DEPOSITED ATMOSPHERIC CARBON

- Distant estimation of deposited atmospheric carbon in soils
- Distant marking of prospective carbon farms
- Monitoring of temperature and humidity
- Decrease of carbon footprint in exported products
- Local adaptation to global climate changes



DIGITAL MULTI-LINGUAL RESOURCES

- Operational platform UNI Dictionary (uni-dict.com)
- Online dictionary of terms in Higher Education with unique content in Russian, Bashkir and English languages

CURRENT COOPERATION WITH THE ISLAMIC REPUBLIC OF IRAN

A scientist from the Islamic Republic of Iran, Abadi Ha Mostafa Samat, works at the Department of International Law and International Relations of the Institute

On October 21, 2024, the [International Russian-Iranian Center](#) was opened on the basis of UUST with the support of the Ministry of Education of the Islamic Republic of Iran in the Interuniversity student campus of the Eurasian Research Center

The center hosts [Persian language courses](#) and various events: a Chelle Night, a 3D Bioprinting lecture, and a presentation about the art of Iran



Ufa University of science and technology



Thank you for attention!

CONTACT INFORMATION

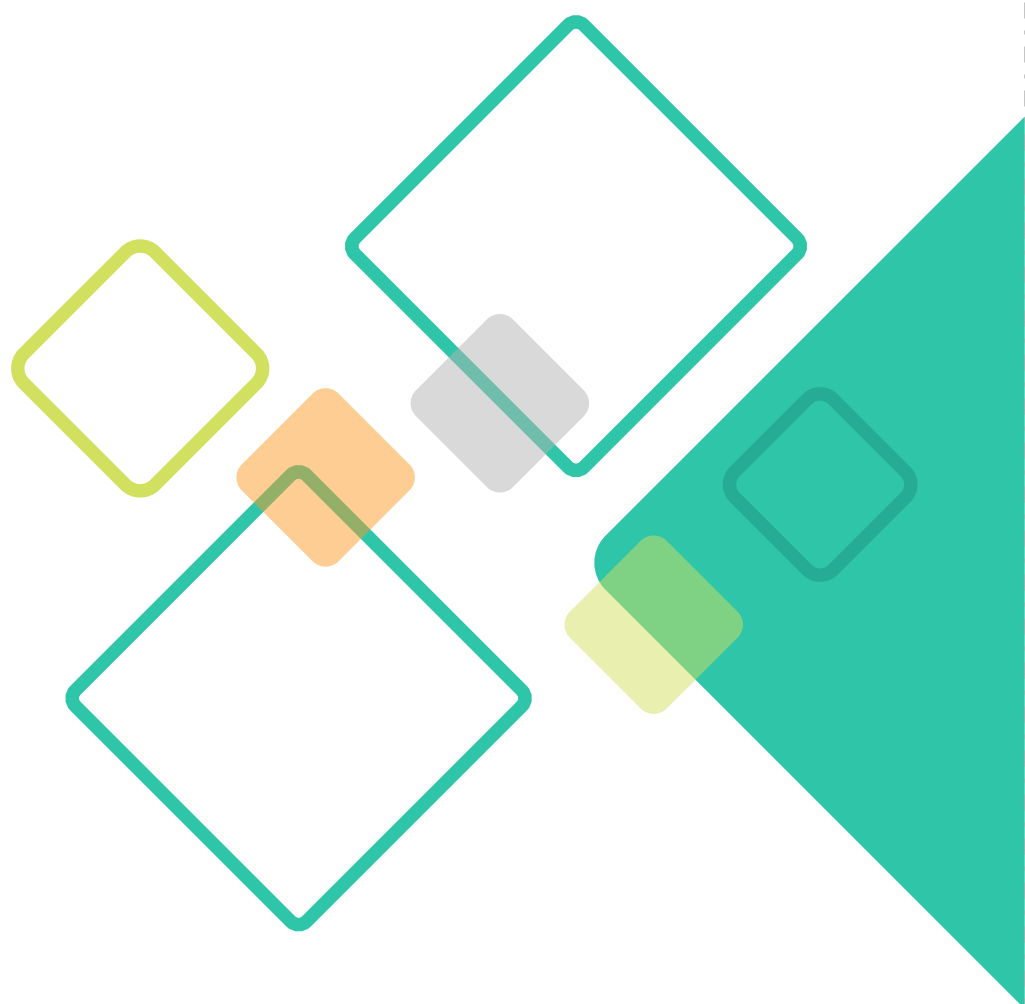
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E-mail: ums@uust.ru



Ural Federal University



Ural Federal University



Ural Federal University



priority2030⁺
leaders are made, not born



Ural Federal University named after the first President of Russia B.N.Yeltsin is a participant in the federal project to ensure technological leadership:
Ural Advanced Engineering School «Digital Production»

Ekaterinburg, Sverdlovsk region



Ural Federal University

UrFU Overview: History, Facts & Figures

priority2030⁺
leaders are made, not born

ESTABLISHED: **October 19, 1920** upon a Decree of the Soviet Government
April 2, 2010:
 Ural Federal University named after B.N. Yeltsin was created by merging of 2 Universities:

- Ural State Technical University – Ural Polytechnic Institute,
- Ural State University.

- Students enrolled **47 000+**
- International students **4 600+ from 100+ countries**
- Alumni **400 000+**
- Faculty staff **4400**
- International faculty staff **150**





ranked 516th in the world

Hospitality & Leisure Management	39	Linguistics	
Petroleum Engineering		Mathematics	251-300
Philosophy	51-100	Physics & Astronomy	
Social Policy & Administration		Social Sciences & Management	279
History	101-150	Engineering & Technology	293
Archaeology	201-240	Modern Languages	301-340
Economics & Econometrics		Education & Training	301-350
Materials Science	201-250	Natural Science	334
Politics		Arts & Humanities	347
Business & Management Studies		Mechanical, Aeronautical & Manufacturing Engineering	351-400
Chemical Engineering	251-300	Computer Science & Information Systems	401-450
Chemistry			
Electrical & Electronic Engineering			



In the world: 601-700
In Russia: 4



In the world: 295
In Russia: 10



Education at UrFU

priority2030⁺
leaders are made, not born

Broad subject areas:

- Mathematics & Natural Sciences
- Engineering & Technology
- Social Sciences
- Humanities
- IT & Computer Science
- Architecture & Civil Engineering
- Arts & Culture



UrFU Institutes:

1. Graduate School of Economics & Management
2. Institute of Chemical Engineering
3. Institute of Civil Engineering & Architecture
4. Institute of Fundamental Education
5. Institute of Natural Sciences & Mathematics
6. Institute of New Materials & Technologies
7. Institute of Open Educational Technologies
8. Institute of Physical Education, Sports & Youth Policy
9. Institute of Physics & Technology
10. Engineering School of Information Technologies, Telecommunications & Control Systems
11. Ural Institute of Humanities
12. Ural Power Engineering Institute
13. **Ural Advanced Engineering School**

UrFU trains highly qualified scientific personnel.

Degrees & training levels:

- Basic general & secondary education (UrFU Lyceum, since 1990)
- Preparatory Faculty (for international prospective students)
- Bachelor's & Specialist degrees
- Master's degree
- PhD (Russian scientific degree of Candidate of Sciences)
- Postdoc programs
- Vocational courses

36 Councils on the Thesis Defense for Doctor's and Candidate's Degrees

❖ Center for Inclusive Education
(since 2017)



3



Degree Programs in English

priority2030⁺
leaders are made, not born

13 Master's degree programs
(taught 100% in English):

- Practical Artificial Intelligence
- Artificial Intelligence for Power Industry Applications
- Energy for Smart Cities
- Energy Business
- IT Innovations in Business
- International Management
- International Trade & Logistic Relations of Regions
- International Human Resource Management
- PR & Advertising in International Communications
- Food Biotechnology
- Foreign Languages & Cultures in The Global World
- Chemistry & Physics of New Functional Materials
- Mechanical Engineering, Machines & Equipment Design




30+ PhD programs
(taught 100% in English):

- Mathematics & Mechanics
- Physics & Astronomy
- Chemical Sciences
- Biosciences
- Civil Engineering Technology
- Computer Science & Computer Facilities
- Electrical & Heat-Power Engineering
- Nuclear, Thermal & Renewable Energy & Related Technologies
- Mechanical Engineering
- Chemical Technology
- Materials Technology
- Management in Technical Systems
- Psychological Sciences
- Economics
- Social Sciences
- Political Sciences & Area Studies
- Linguistics & Literary Studies
- History & Archeology
- Philosophy, Ethics & Religious Studies
- Cultural Studies
- Mass Media & Library Services
- etc.



4

Ural Federal University

Ural Federal University

UrFU – IRAN COOPERATION

UrFU is developing cooperation with:

- Sharif University of Technology
- University of Art (Tehran)
- University of Birjand
- Allameh Tabataba'i University
- University of Zanjan
- University of Kurdistan

8 Students from Iran (Masters and PhD degrees)

- Biotechnology
- Engineering & Technology
- IT & Computer Science
- Architecture & Civil Engineering

The UrFU Center for Iranian Studies and the Persian Language was established in 2016 as part of an agreement with the Cultural Representation at the Embassy of the Islamic Republic of Iran in the Russian Federation

- A large fund of educational, scientific and fiction literature in Persian
- Persian language teaching for everyone
- Scientific and educational events about Persian culture and history
- Scientific seminars with the participation of leading experts on Iran
- Organization of scientific internships in Iran

Joint publications in 2019-2025: 143 publications with 47 organizations in Iran (Chemistry, Materials, Physics and Astronomy, Engineering, Environment, Energy, Mathematics)

5

Ural Federal University

Science at UrFU

priority2030⁺
leaders are made, not born

➤ **23 scientific journals by UrFU, including 11 international journals (SCOPUS & Web of Science):**

- Quaestio Rossica:** Russian Studies, Arts & Humanities – WoS (2015), Scopus (2016)
- Economy of the Region** (co-published with Institute of Economics of the Russian Academy of Science (Ural Branch) – Scopus (2013), ESCI WoS (2017)
- Analytics & Control** – Scopus (2016)
- Problems of Onomastics** – Scopus (2016), ESCI WoS (2017)
- Journal of Tax Reform** – co-published with Baikal State University – ESCI WoS (2017)
- Izvestia UrFU, Series 2. Humanities & Arts** – ESCI WoS (2018), Scopus (2021)
- Ural Mathematical Journal** – Scopus (2019)
- Chimica Techno Acta: Processes in chemistry and chemical technology** – Scopus (2019)
- Changing Societies & Personalities** – Scopus (2019), ESCI WoS (2020)
- Antiquity & the Middle Ages** – Scopus (2021)
- R-Economy** – Scopus (2021)

➤ **164 R&D labs, including international R&D labs headed by world-class researchers**

➤ **72 Research Excellence Centres**

Scopus publications

2019	2020	2021	2022	2023	2024*
3370	3781	2836	2995	2709	2626

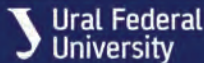
Publications in top 25% (SJR)

2019	2020	2021	2022	2023	2024*
642	817	805	857	858	979

Publications in top 10% (SJR)

2019	2020	2021	2022	2023	2024*
284	307	305	305	324	417

6



“Priority 2030” State Academic Leadership Program



Priority 2030 - the largest state university support program in the history of Russia

- Key Goal: creation of more than 100 progressive modern universities in Russia - centers of scientific, technological and socio-economic development of the country, by 2030
- Main Tasks:
 - transformation of the model of Russian education
 - acceleration of science & technology development in the regions of Russia

UrFU has joined the “Research Leadership” track of the Program

- UrFU Strategic Goal: creation of a scientific, educational and innovation center of international level focused on research and technology implementation in the following strategic priorities:
 - *Digital technologies & new materials*
 - *Environmental-friendly & resource-saving power engineering*
 - *Effective interaction of man, nature & technology*



5 Strategic Projects at UrFU

Materials & Technologies
for Hydrogen & Nuclear
Power



Design & Technology of
Functional Materials &
Systems



Human Well-Being in
the Digital
Transformation



Academic
Excellence



Human Resources for
Scientific & Technological
Breakthrough



7



New World-Class Campus



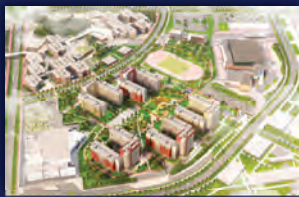
2023 - Construction of a new UrFU campus
(legacy of International University Sports Festival held in Ekaterinburg in August, 2023)

Multidisciplinary infrastructure includes:

- clinic
- stadium
- water sports palace
- 5 modern dormitories (8500 additional places for student accommodation)
- **By 2026 - New educational campus with modern classrooms & laboratories:**
 - Engineering School of Information Technologies, Telecommunications & Control Systems
 - Graduate School of Economics & Management
 - Specialized education & science center (UrFU Lyceum)

↓

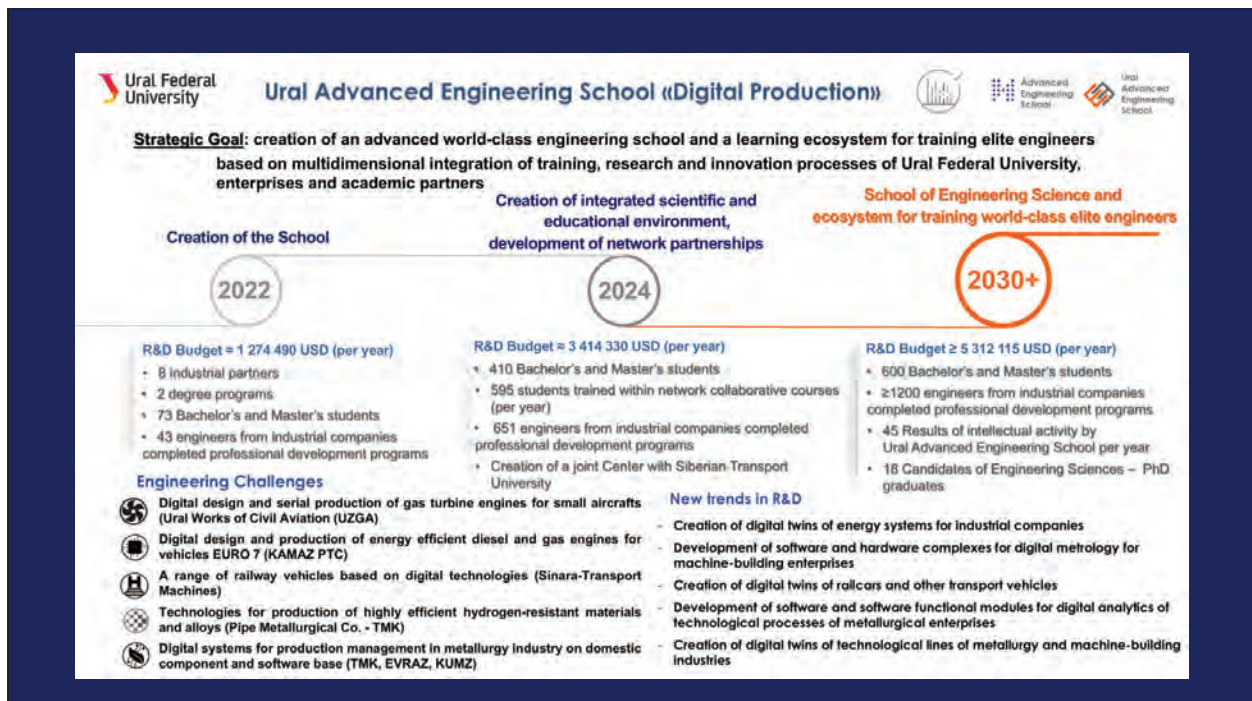
- *Creation of advanced educational environment adapted for project-based and interdisciplinary training*
- *Breakthrough in development of the university infrastructure*








8



Ural Federal University

Examples of project results transferred to production in 2024

Development of a range of diesel engines V16 и V12

The aim of the project: to develop a new generation of diesel internal combustion engines V12, V16 with improved performance and enhanced world-class consumer properties for commercial and special applications.

Key objectives of the project:

- to develop a set of design documentation and 3D models for V12 and V16 engines
- to carry out a complex of engineering calculations
- to create a complete digital twin of the engine for production

Achieved results:

- 3D models and a set of design documentation for the V12 engine in commercial and accelerated versions have been developed
- 3D models and a set of design documentation for the V16 engine have been developed
- computational studies of the V12k, V12f and V16 engines were carried out in accordance with the technical specifications
- test programs for the components and systems of the V12k, V12f and V16 engines in general, as well as their systems and components, have been written

Features and advantages of the engine:

Power: 882 kW (V12), 1323 kW (V16)

- Implementation of the maintenance-free engine concept
- Unification of components with the advanced P6 engine
- High localization of production and supplied components
- Wide range of applications in various fields

Effects for production:

- Reducing production start-up time
- Reducing development time and improving the quality of engineering solutions while reducing the cost of design

Meeting the Ural Advanced Engineering School goals:

- Digital transformation of production and business processes
- Integration of "end-to-end digital technologies"

Development of EM-402U demonstrator of promising small-size turbojet engine

The aim of the project: to develop a prototype of a small-sized gas turbine engine for UAVs (unmanned aerial vehicles)

Key objectives of the project:

- to choose a schematic-parametric image of engine
- to calculate the main characteristics: thrust, fuel consumption, start-up time, etc.
- to coordinate the engine systems with the design;
- to prepare a working design documentation

Achieved results:

- 3D models and a set of design documentation for the engine have been developed
- computational studies of the engine in all operating modes have been carried out
- the program for testing the engines, as well as their systems and components, has been written
- a prototype has been made to evaluate geometric assembly

Ural Federal University

Examples of project results transferred to production in 2024

Development of steels and alloys for hydrogen energy

The aim of the project: to develop materials for process pipelines for hydrogen production that are heat-resistant, heat-resistant in aggressive environments, heat-resistant and resistant to high-temperature hydrogen corrosion

Key objectives of the project:

- to research of working conditions and materials for process pipelines
- to develop equipment and methods for testing;
- to study of the structure and mechanical properties of materials under specified conditions;
- to conduct a comprehensive analysis and prepare recommendations on the chemical composition, structure and production technology of materials for use in a hydrogen-containing environment at elevated temperatures

Achieved results:

The regularities of the influence of alloying on the operational properties of steel grades 20, 15Kh5M and 18Kh3MFB in a hydrogen environment at temperatures up to 600°C under mechanical load have been established to select a rational chemical composition of the material of high-temperature technological hydrogen pipelines

Effects for production:

- Reducing the time required to launch solutions in production
- Reduction of research time with reduction of the cost of subsequent design

Meeting the Ural Advanced Engineering School goals:

- Digital transformation of production and business processes
- Integration of "end-to-end digital technologies"

Development of the EM-402U demonstrator of a promising small-sized turbojet engine

The aim of the project: to develop and implement a system for reading the marking of sheet and pipe at the molding site in order to increase the reliability of reading and reduce the risks of claims from Customers.

Key objectives of the project:

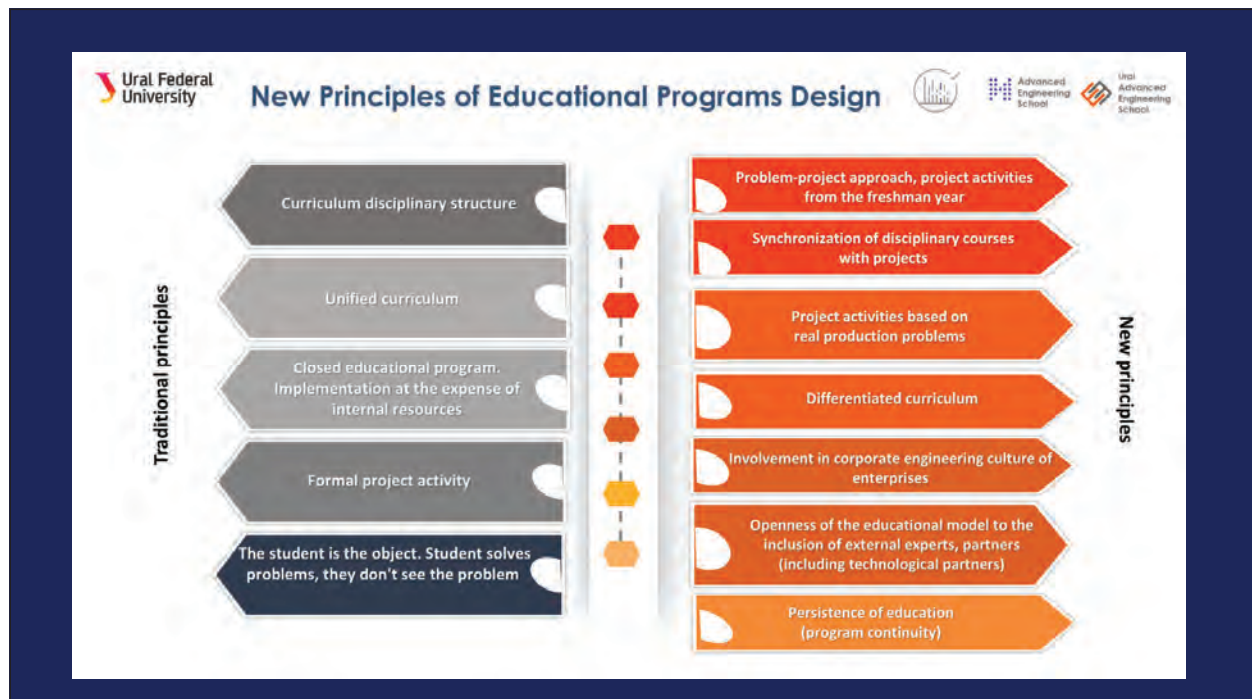
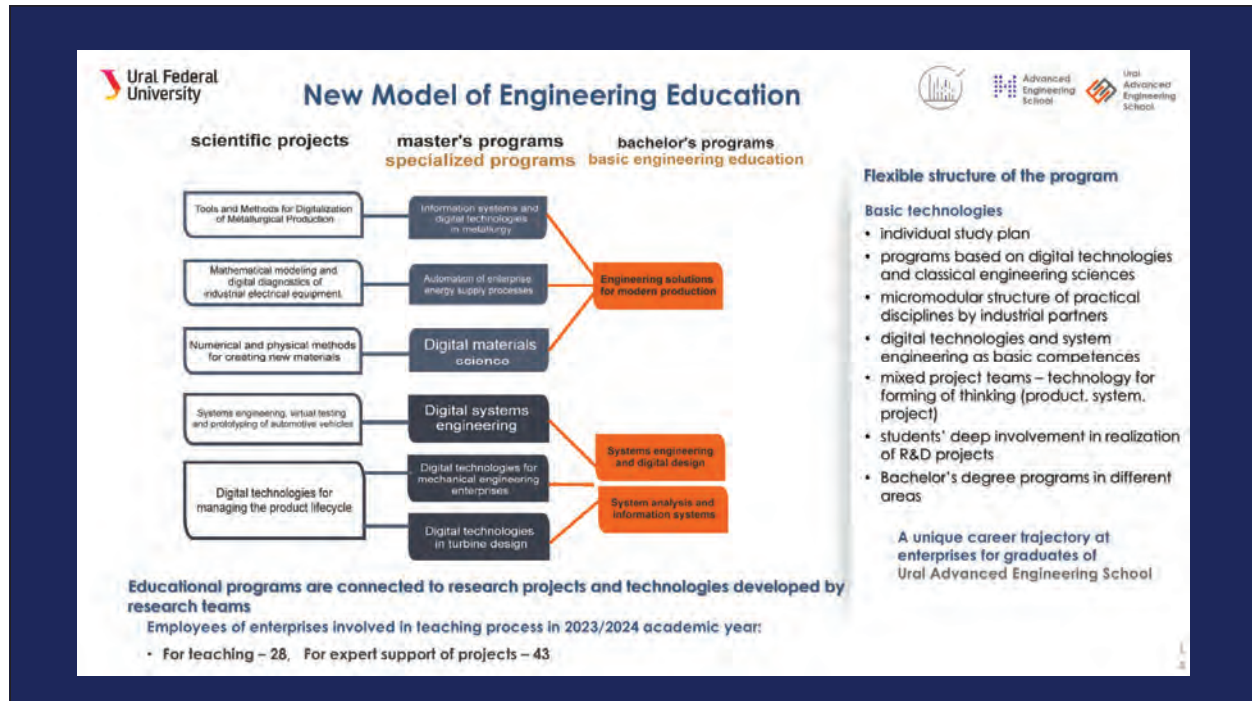
- to conduct research on the use of AI (artificial intelligence) and the creation of a high-confidence algorithms
- to develop a model for reading metal sheet markings at the task site (alphanumeric and numeric values)
- to develop software for reading pipe markings at the molding site

Achieved results:

The final assessment of the quality of the marking reading model:

on a sheet Precision 97.57%, Recall 95.91%, on a pipe Precision 95.93%, Recall 93.58%.

The solution is integrated into the electric welding workshop of large diameter pipes «Vysota 239» (Altitude 239), Chelyabinsk Pipe Rolling Plant



Transfer of technologies implemented at enterprises to the educational process



A partnership model for building and making changes to educational programs



Main advantages of the partnership model

- Processing the request from a company within 3-6 months, depending on the complexity
- No loss of quality of new program modules thanks to the cooperation with the specialists of technology partners
- Transfer of new unique competencies to Ural Advanced Engineering School employees: 1 year – a confident user, 2 years – a specialist, 3 years – an advanced specialist
- The synergetic effect of the joint activities of technology partners

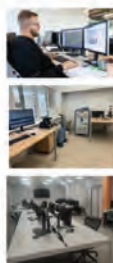
Developing partnerships



The new model of organizing specialized educational spaces

Basic principles

- The software is identical to the existing digital contours of enterprises or corresponds to the digital development strategy
- Laboratory and R&D equipment that allows certified research
- Openness of the using equipment by all scientific groups of the school in the implementation of related projects
- Construction of "digital production" contours for certain types of technological tasks



Scientific and educational spaces

Laboratory "Automation in the field of electric power engineering and electrical engineering"

- Laboratory of Numerical Methods for Research of Flow of Bodies and Turbomachines
- Laboratory of Digital Modeling and Data Analysis
- Laboratory of Cyber-Physical Systems for Data-Based Control of Technical Processes
- Prototyping Laboratory
- Center "School of Modeling" JSC ETC "Jet"
- Laboratory of Model-Based Systems Engineering
- Laboratory of Industrial Robotics
- Laboratory of Composite Materials Research

2025

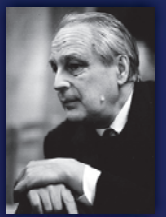


Ural Federal University



UrFU Famous Alumni and Honorary Doctors



				
Yuri Osipov President of the Russian Academy of Sciences 1991-2013	Nikolai Ryzhkov Chairman of USSR Council of Ministers USSR (1985-1991)	Boris Yeltsin First President of the Russian Federation	Nurtay Abykayev Senior Politician of Kazakhstan	Zandakhil Enkhbold Chairman of Parliament of Mongolia, Chairman of the Democratic Party of Mongolia
				
Dmitry Pumpyansky Chairman of the Board of Directors, Pipe Metallurgical Company, Sverdlovsk Regional Union of Industrialists & Entrepreneurs	Nursultan Nazarbayev The first President of the Republic of Kazakhstan	Mikhail Gorbachev General Secretary of the CPSU Central Committee, President of the USSR	Eduard Rossel Federation Council Senator, Governor of the Sverdlovsk Region (1995-2009)	Nikolay Krasovsky Founder & Chief of Scientific school in mathematical theory of control and the theory of differential games

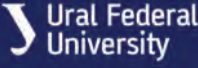
17



Advanced
Engineering
School



Ural
Advanced
Engineering
School



Thank you for your attention!

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- Web-page in English: urfu.ru/en
- Telegram: [@urfu_international](https://t.me/urfu_international)



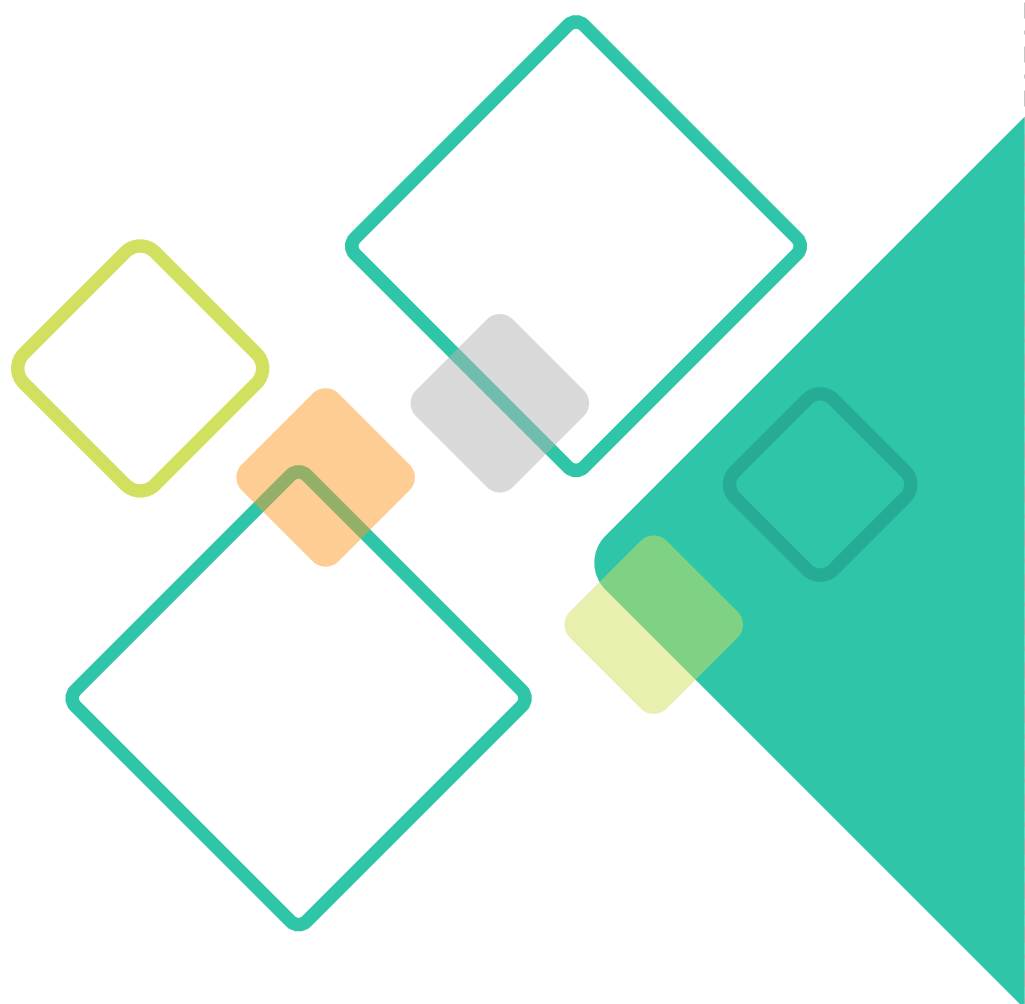








Vladimir State University



Vladimir State University

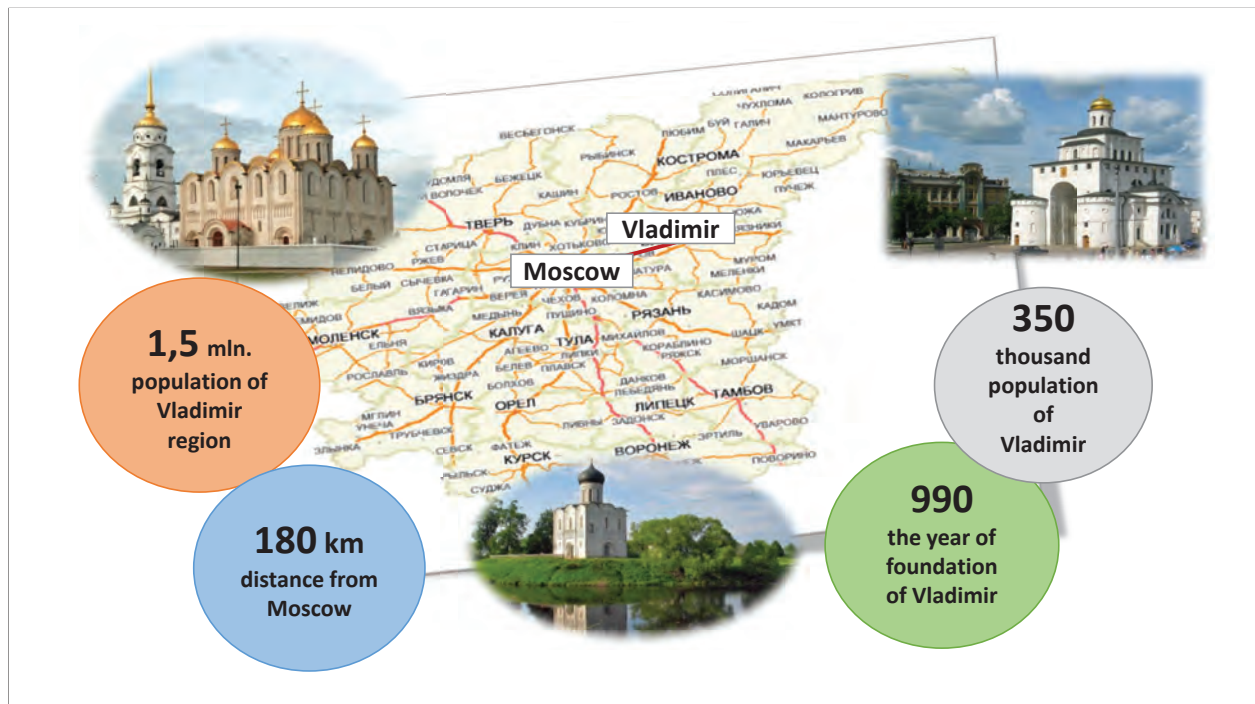


FLAGSHIP UNIVERSITY
of Vladimir region



**VLADIMIR
STATE
UNIVERSITY**

named after Alexander
and Nikolay Stoletovs



UNIVERSITY HISTORY



1964
foundation
of the
university

1969
transformation
into
Politechnical
institute

1996
classical
university



2017
flagship
university



INFRASTRUCTURE

8
educational
and
laboratory
buildings

17
research
centers

4
sports
buildings

11
students
hostels

- Science library with the digital resources reading rooms
- Media Center of VLSU
- Sanatorium
- Canteens and cafeterias
- Swimming pool
- Fitness rooms
- Hockey rink

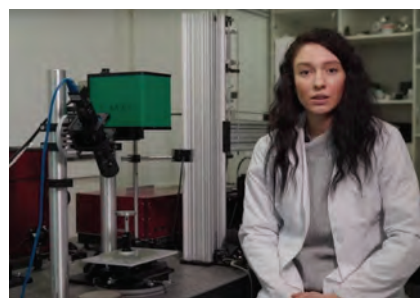
INSTITUTES

- Institute of Engineering and Automobile Transport
- Institute of Information Technologies and Electronics
- Institute of Architecture, Civil Engineering and Energy
- Institute of Biology and Ecology
- Institute of Economics and Tourism
- Institute for the Humanities
- Pedagogical Institute
- Law Institute
- Institute of Physical Culture and Sports
- Higher School of Music and Theater
- Institute for In-Service Training and Advanced Training
- College of Innovation Technologies and Entrepreneurship
- Murom Branch of VISU

INFRASTRUCTURE



INFRASTRUCTURE



EDUCATION



18 000
students

154
training programs

1300
research and
teaching faculty

620
PhD holders and
associate
professors

130
senior
doctorate
holders/ full
professors

5
Dissertation
Councils



LEVELS AND AREAS OF TRAINING

**Preparatory
Faculty**

16
Secondary
Vocational
Education

68
Bachelor

5
Specialty

44
Master

54
PhD

68
training of
research and
academic
staff

- Architecture, Construction
- Motor Transport
- Mechanical Engineering, Automation, Metallurgy
- Radio, Electronics and Medical Equipment
- Information Technology (IT)
- Chemistry and Ecology
- Economics & Management
- Law, Customs Officer Training Program
- Applied Mathematics and Physics
- Psychology, Philosophy, Social Sciences
- History
- Pedagogy (Mathematics, Computer Science, Russian Language, Geography, Primary & Preschool Education, Technology)
- Foreign Languages
- Sport, Physical Training



PhD and POSTDOCTORATE PROGRAMS

3

Dissertation
Councils

52

training
programs

315

PhD students

Dissertation Councils

- System analysis, management and information processing
- Theoretical and historical legal sciences
- Criminal law sciences
- General pedagogy , history of pedagogy and education



RESEARCH & DEVELOPMENT

17

scientific schools

17

scientific and
educational centers
and laboratories

25

innovative
enterprises



Participation in the international
programs and projects

Grants of Russian Science
Foundation

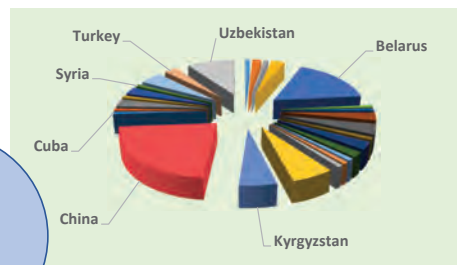
Research is carried out in 48 areas of 11 fields of learning

INTERNATIONAL ACTIVITY



24
countries

127
agreements



60
international
forums

200
foreign
professors
and
scientists



COOPERATION WITH IRAN

Allameh Tabataba'i University (ATU)

Lectures by a VLSU lecturer Natalia Mulina
at the Faculty of Communications and Social
Sciences of the ATU (2016)

Internships of the Dean of the Faculty of Physical
Culture and Sports of ATU Ramin Baluchi
at VLSU(2019, 2024)



Iranian delegation reception

visit of the Ambassador Extraordinary and
Plenipotentiary of the Islamic Republic of Iran in
the Russian Federation **Kazem Jadali** – 2021



INTERNATIONAL STUDENTS



1968

launches the
training of
foreign
students



1000

international
students



60

countries



STUDENTS LIFE OUT OF CLASS

400
events

120
contests
and
festivals

12
Students
Unions

18
Students
Sport Club



STUDENTS LIFE OUT OF CLASS



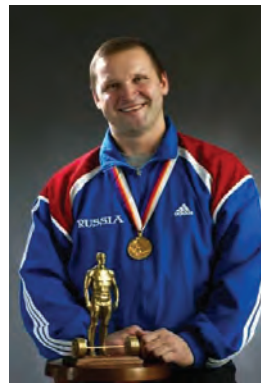
SPORT OLYMPIC CHAMPIONS AND PRISEWINNERS



Nikolay Andrianov



Alexey Prokuratorov



Pavel Kuznetsov



Nikolay Kuksenkov

SPORT



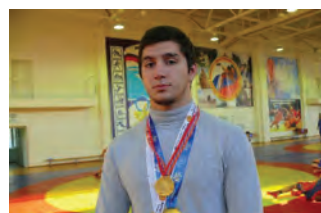
Anastasia Homyachkova,
World Cup Winner in
Sambo



Martin Alexanov, Summer Deaflympics 2017,
Samsun, Turkey



Abuyazid Mantsigov, World Cup winner in
Greco-Roman Wrestling



Ivan Konstantinov, Winner of European
Championship in Greco-Roman
Wrestling among deaf athletes



Maria Zabelina, Winner
of European Powerlifting Championship

CONTACT INFORMATION

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<https://international.vlsu.ru/about-us>

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Rector's Secretary Room

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(for International Partners)

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e-mail: nntroshina@mail.ru

Center of International
Education
(for International Students)

+7 (4922) 47 76 83
e-mail: interc.dpt@gmail.com

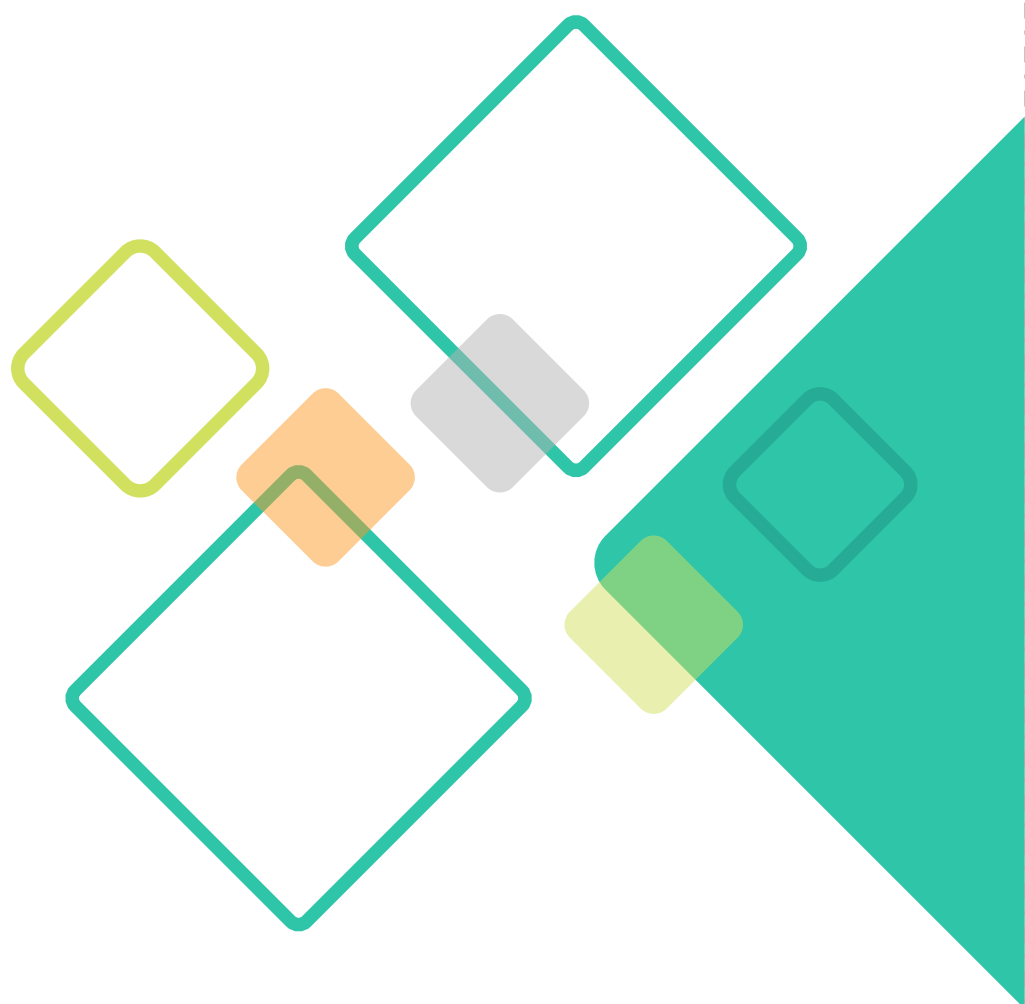
How to apply <https://admission.vlsu.ru/>





Thank you for your attention!

Amirkabir University of Technology



Amirkabir University of Technology



**Amirkabir University of Technology
(Tehran Polytechnic)**

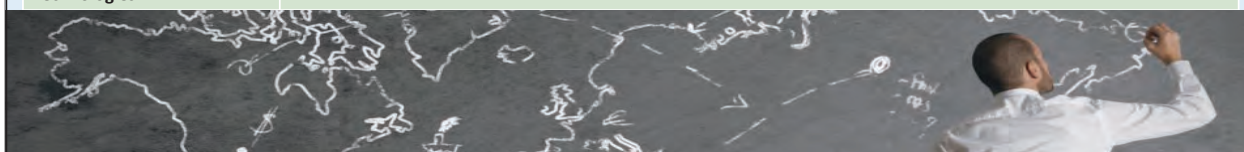
**Pioneer of Sustainable
Development in Iran**

Jan 2024

Global Ranking



Subject Area	Category
Energy Eng. & Physics	Physics, Photonics Eng., High Energy Physics, Fundamental Physics, Energy Eng., Field Theory
Biomedical Eng.	Bioelectric, Biomechanics, Biomaterials, Sports Eng., Tissue Eng.
Chemical Eng.	Biotechnology, Thermodynamics, kinetics & catalysts, Process Design, Environmental Eng., Nanotechnology, Food Industry
Civil & Environmental Eng.	Transportation, Coastal, port & marine Structures Eng., Construction Eng. & Management, Earthquake Eng., Environmental Eng., Geotechnical Eng., Structural Eng., Transportation Eng., Health, safety & environmental Eng., Water & hydraulic structures Eng., Water resource management and Eng.
Computer Engineering & IT	Computer Eng., Software, Computer Systems Architecture, AI & robotics, Secure Computing, Computer Networks,
Electrical Eng.	ICT, Communications, Electrical Eng., Controls, Electronics, Power, Digital Electronic Circuits, Field & Wave, Micro & nanoelectronics devices, Digital Systems, Microelectronics, Mechatronics
Industrial Eng. & Management Systems	Systems Optimization, Logistics & Supply Chain, Financial Eng., Health systems Eng., Projects Management, Socio-economic systems Eng.
Mechanical Eng.	Applied Mechanics, Mechanical Eng., Mechatronics, Energy Conversion, Welding Eng., Manufacturing & Production Eng.
Polymer Eng. & Color Tech.	Polymer Eng., Processing, Color Industry, Nanotechnology, Polymerization
Textile Eng.	Clothing, Production Management, Fibers, Textile chemistry & Colors, Technical Textiles, Nanofibrous structure Eng., Management of Textile Industries, Textile Chemistry & Fiber Science, Textile Technology, Clothing Eng., Industrial Textiles, Textile chemistry
Chemistry	Physical Chemistry, Inorganic Chemistry, Organic Chemistry, Analytical Chemistry, Polymer chemistry, applied Chemistry
Math & Computer Science	Applied Mathematics, Numerical Analysis, Optimization, Financial Mathematics, Cryptography & Coding, Computer Systems, Intelligent Systems, Theory of Computing, Mathematics Statistics, Mathematics & applications, Pure Mathematics, Algebra, Analysis, Geometry Statistics
Management, Science and Technologies	Business Administration (Marketing, Financial Management, Control Project), Monitoring the Future, Energy Management, Monitor in Economics, Technology Management (Innovation)



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2

Excellence in Research



Centers of Excellence

Biomechanics
Biomedical Engineering
Computational Aerospace
Digital Processing Systems
Energy and Control
Interactive Fiber Structures and Environmental Enhancement
Material Forming Processes
Petrochemical Engineering
Power Systems
Radio Communications
Retrofitting & Optimization of Structures and Lifelines
Strengthening and Optimization of Buildings, Virtual Structures, and Roads
Textile Engineering
Thermo-Elasticity

Main Research Streams



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3

Excellence in Research



Research Centers and Institutes

Advanced Textile Materials and Technology Research Institute
APA Research Center
Color and Polymer Research Center
Concrete Technology and Durability Research Center
Energy Research Center
Environment Research Center
Futures Studies Research Institute
High Performance Computing Research Center
Industrial Engineering and Productivity Research Center
Information and Communication Technology Research Center
Institute of Communication Technology & Applied Electromagnetics
Institute of Medical Detection Systems



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4

Excellence in Research



Research Centers and Institutes

Institute of Oil, Gas and Petrochemical
Intelligent Transportation Systems Research
Institute
Iran Grid Secure Operation Research Centre
Nanotechnology Research Institute
New Technologies Research Center
Optics, Laser and Photonics Institute
Radiation Research Institute
Renewable Energy Research Center
Research Center for Materials and Mining
Industries Technology
Seismology & Earthquake Research Center
Space Science and Technology Research Institute
Vehicle Technology Research Institute



Jan 2024

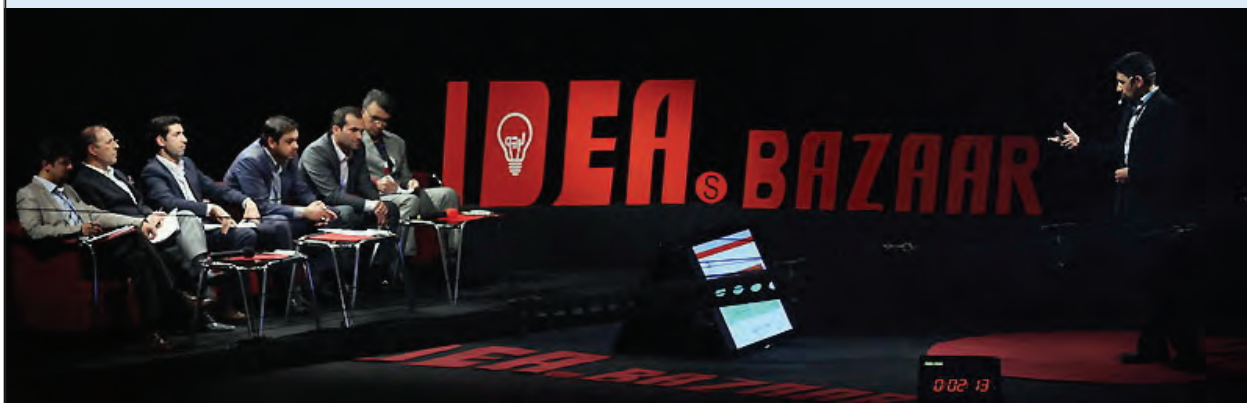
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5

Entrepreneurship and Innovation



Start-up weekend
TEDx Tehran
Falling Walls Lab (DAAD)
Idea Bazaar



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6

Technology and Innovation Park



Avicenna Tower
288 Companies and Tech. Teams
Samsung-AUT Tech Center
Finnova Accelerator (Fintech)
Health Innovation Branch
Marin Engineering Innovation Branch
Labs and Workshops

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7

AUT Iran's high technology state



16 Mega Projects

National level
High budget level
Close relation with industry



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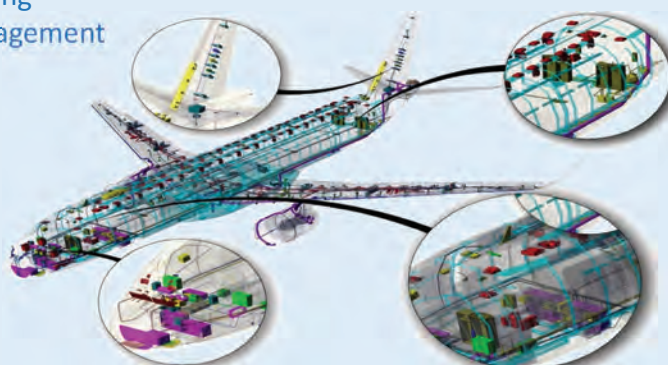
8

AUT Iran's high technology state



List of Projects:

Development of 100-150 Passenger Aircraft
National Electrical Intelligent Network
Power System Protection Numerical Relay
Intelligent Transportation System
National Platform For Automobiles
Small Cyclotron Design & Manufacturing
South Pars Gas Field Integrated Management
Underground Storage Of Gas And Oil



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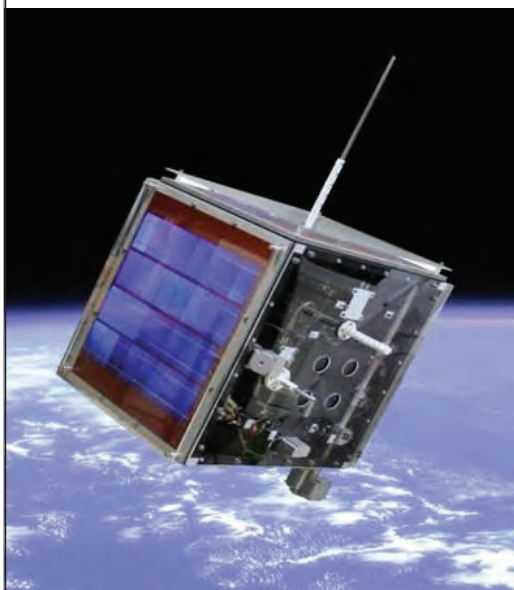
9

AUT Iran's high technology state



List of Projects:

Student Satellite "Autsat"
Design and Implementation of a Constellation
of Telecommunication Satellites
National Information Network
National Cyber Defense Center
Secure Software Base Platform



Oct 2023

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10

International Focus



Exchange of faculty members and students
Dual degree
Joint research projects
Joint virtual labs

International Internship
Joint supervision of students
Joint innovation center
Joint industrial projects



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11

MOUs and MOAs



56 MOUs From 11 Countries
83 MOA from 10 Countries



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12

Joint Degree Programs

Technical University of Delft, The Netherlands

PhD in Energy Management

Maastricht School of Management, The Netherlands

Doctorate in Business Administration Programs

University of Rotterdam, The Netherlands

Mini MBA

AUTEX, Ghent University, Belgium

MSc Dual Degree in Advanced Textile

Modart University, France

Short course in Management of Fancy Goods and Clothing Style

Montan University (Austria) and Freiberg University (Germany)

Trilateral Masters Degree Program in Mining Engineering

Paris Descartes University, France

Joint Masters program in Statistics

Passau University, Germany

Exchange of MSc students in IT and Computer Engineering

Ecole Polytechnic of Lausanne (EPFL)

Internship / Summer School for MSc students

École Polytechnique

Dual Degree Program/MSc students

Arts et Métiers ParisTech (ENSAM)

Dual Degree Program/MSc students



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13

International Students



Jan 2024

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14

History of Collaboration/Relation with Russia



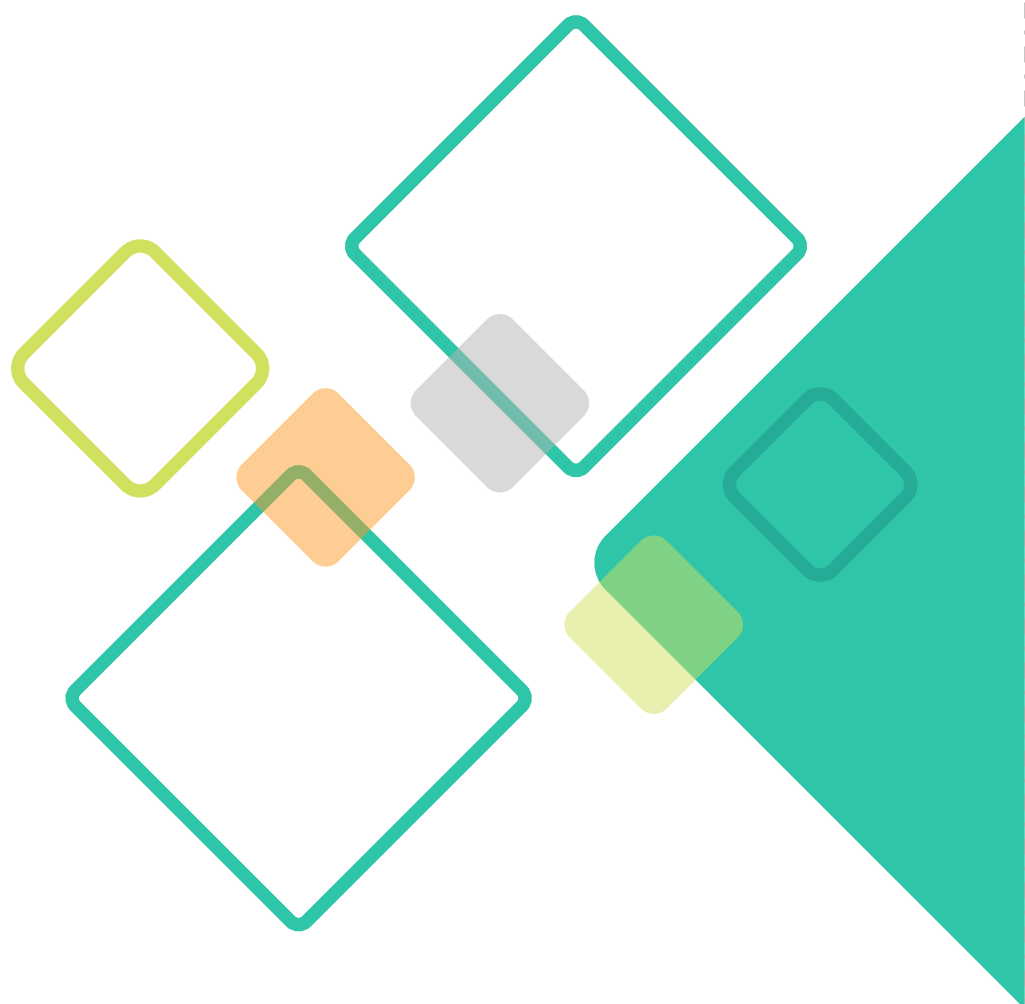
No.	Type of Collaboration/Name of Event	University/Institute, City	Year	Field
1	Memorandum of Understanding	Tomsk State University of Control Systems and Radioelectronics, Tomsk	2013	
2	The 1st International Mining Engineering Training Center (Supported by UNESCO)	St. Petersburg Mining University	2018	
3	The 4 th Rectors' Forum for Top Iranian and Russian Universities	University of Tehran, Kish International Campus	2018	
4	Visit from AUT	St. Petersburg State Transport University	2019	
5	Joint Research Project	All-Russian Scientific Research Institute of Aviation Materials (VIAM), Moscow	2019-2021	Polymeric coatings
6	Memorandum of Understanding	South Ural State University, Chelyabinsk	2019	Exchange of Students
7	The 5 th Rectors' Forum for Top Iranian and Russian Universities	Online Event	2020	
8	Joint Research Project	Lomonosov Moscow State University	2020-2022	Geochemistry
9	Joint Research Project	Moscow Aviation Institute	2021-2023	Renewable Energy, Funded RFBR
10	Joint research project	Innopolis University, Innopolis	2021	Solid design

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15

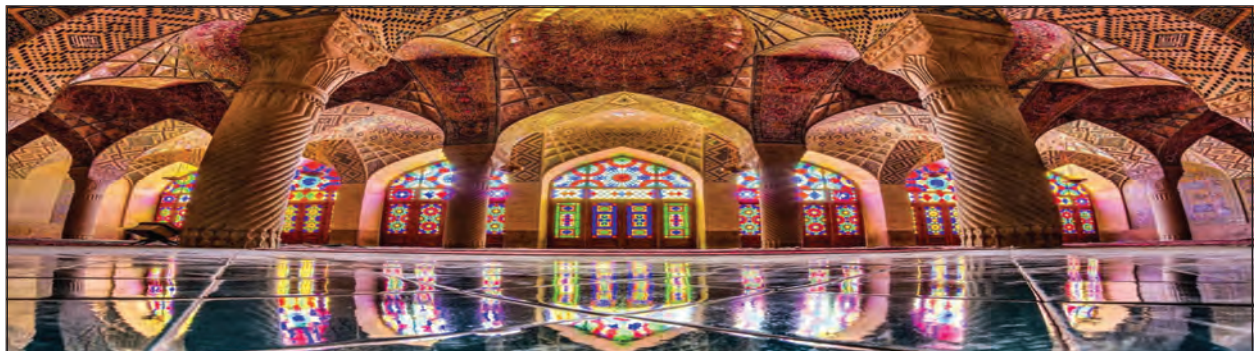
Iran University of Science and Technology



National Convergence for International Scientific Collaborations



February 18, 2025



Welcome to Iran

- 1 Iranian Universities Welcome International Scientific Collaborations
- 2 Importance of Seeking, Building, and Seizing Opportunities
- 3 Strategic Collaboration: Essential Need For Creating a Strong Coalition

Iran University of Science and Technology



Key Collaboration Areas

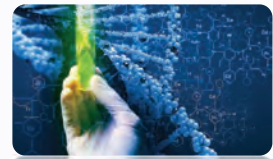
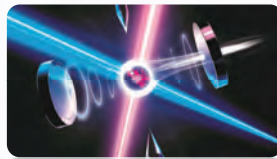
Strategic Committees for partnership:

- Aerospace & Aviation
- Energy
- AI and Computer Science
- Telecommunication
- Environment
- Transportation
- Natural Sciences
- Material Science



Research & Funding

- 1 Advanced Materials
- 2 Cognitive Sciences
- 3 Biotechnology
- 4 Quantum Technologies



\$ 3M fund is Secured for Cooperation with Russian Universities

Research & Funding

Match Fund

for Research Related to
Steel Industry Needs
1:1 Dollar-for-Dollar Match



And More: Iran National Science Foundation, etc.



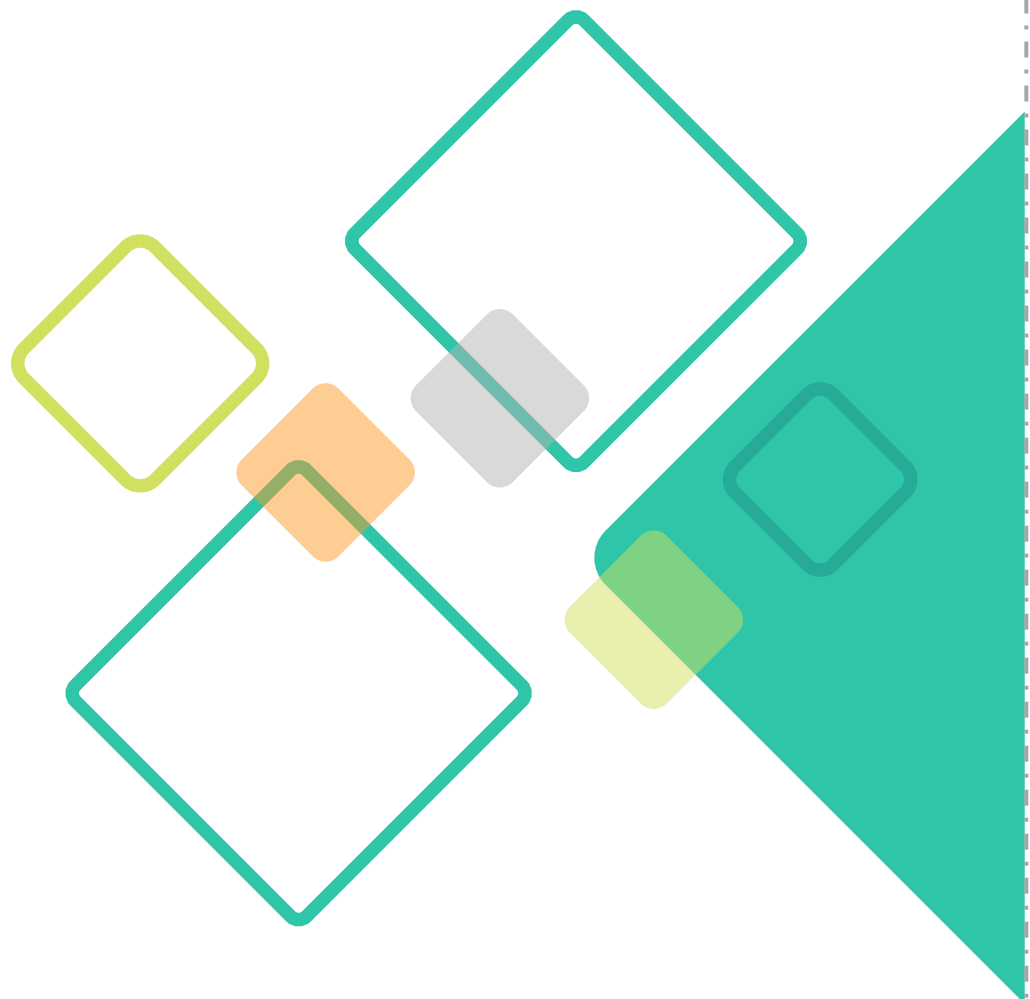
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Contact us:

Email: International@iust.ac.ir

Contact: +98 21 7724 0303

Sharif University of Technology





Sharif University of Technology

SUT Campus

Tehran Main Campus



Since: 1966

Area: 200,000 m²

Kish International Campus



Since: 2005

Area: 120,000 m²



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SUT Landscape



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Sharif University of Technology

SUT



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SUT Community

Faculty Members

Total	450+
Female	12%
Full Professor	38%
International	7%

Students

Total	10,500+
Female	26%
Ph.D. & M.Sc. Students	42%
International	2%

Graduates

Total	58,000+
-------	---------



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Sharif University of Technology

SUT Departments / Centers

- Computer Engineering
- Electrical Engineering
- Mechanical Engineering
- Aerospace Engineering
- Civil Engineering
- Energy Engineering
- Industrial Engineering
- Materials Science and Engir
- Chemical and Petroleum Engineering
- Mathematics
- Physics
- Chemistry
- School of Management & Economics
- Languages and Linguistic Center
- Philosophy of Science Group



Programs

Ph.D. 20

M.Sc. 80

B.Sc. 16



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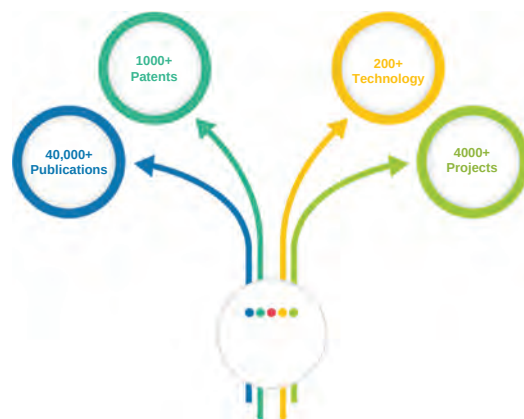
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SUT Research & Technology

24 Research Centers & Institutes

- ❖ Institute for Convergence Science and Technology (ICST)
- ❖ Energy, Water, Environmental Research Institute (SERI)
- ❖ Marine Engineering Research Center (MERC)
- ❖ Electronics Research Institute (ERI)
- ❖ Sharif Upstream Petroleum Research Institute(SUPRI)
- ❖ Biochemical & Bioenvironmental Research Center (BBRC)
- ❖ Sharif Technology Services Complex
- ❖ Institute for transportation studies and Researches (ITSR)
- ❖ Advanced Information and Communication Technology Research Institute
- ❖ + 200 Specialized labs
- etc.

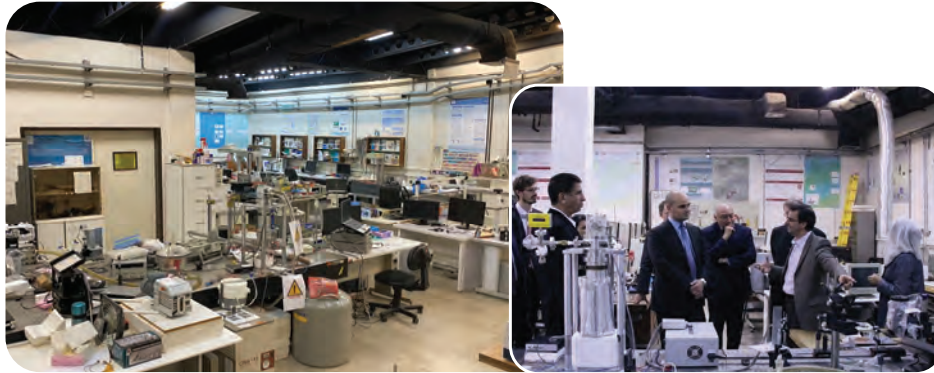


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Superconductor Electronics Research Laboratory



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Institute for Convergence Science and Technology (ICST)



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Sharif Energy, Water and Environment Institute (SEWEI)

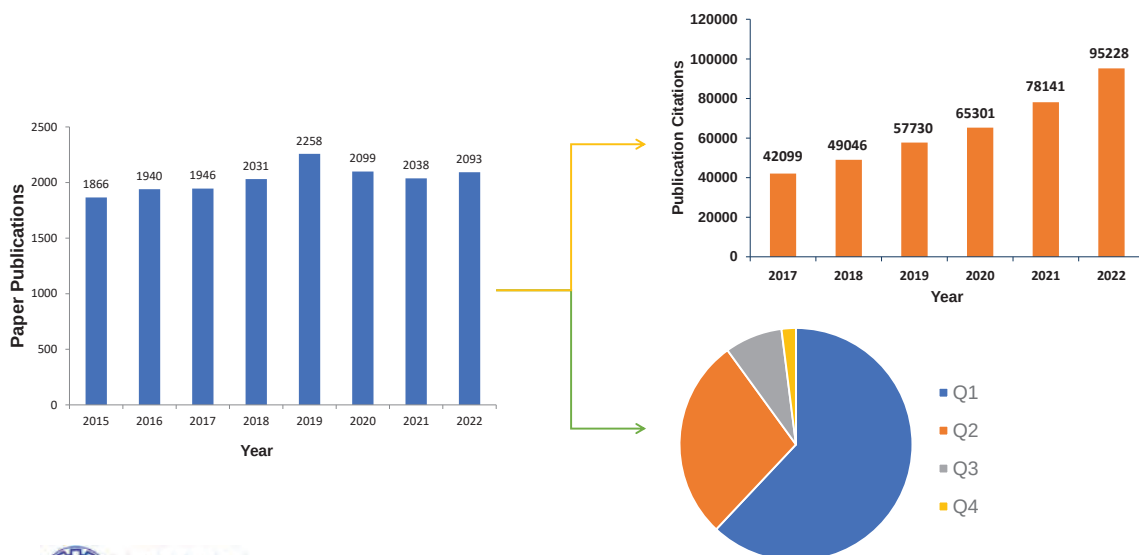


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SUT Paper Publications



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SUT Joint Publications

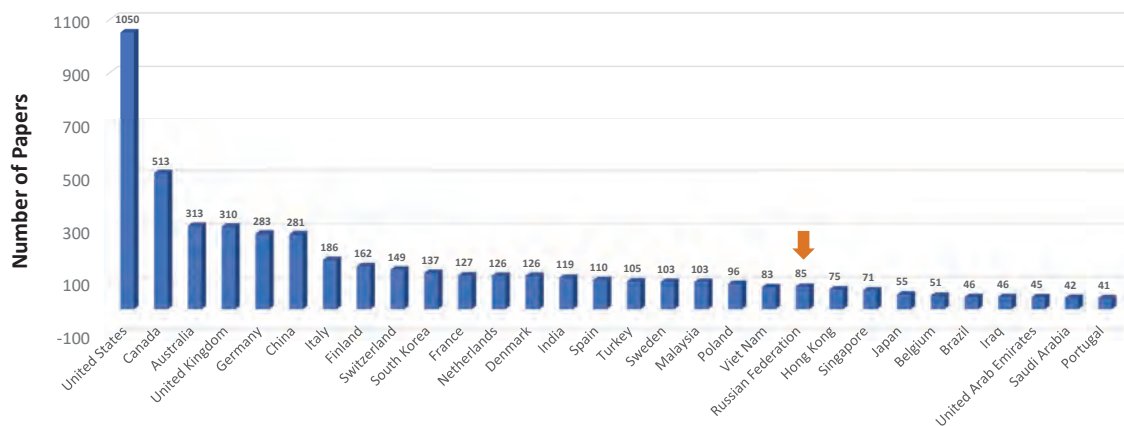


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SUT Collaboration on joint publication



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Sharif University of Technology

SUT Innovation Area

Area	2,500,000 m ²
No. of Job Creation	3000+
No. of Companies	600
Technology Towers	2
Innovation Centers	10
VC Firm	15
Co-Working Space	2
Accelerator	19



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SUT Key Strengths



Ranked **First** in the Country



Attracts **Top** High School Leavers



The Highest Cooperation with Industry



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SUT Key Strengths

Rankings	World	Asia	Iran
	342	85	1
	301-350	56	1



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SUT International Students



Distribution

Afghanistan	41%
Iraq	17%
India	13%
Europe & Latin America	5%
Africa	2.5%

Subjects

Computer Engineering	26%
Civil Engineering	16%
Mechanical Engineering	12%
Electrical Engineering	9%
Chemical & Petroleum Engineering	7%
Physics	7%
Mathematical Sciences	4%
Chemistry	4%



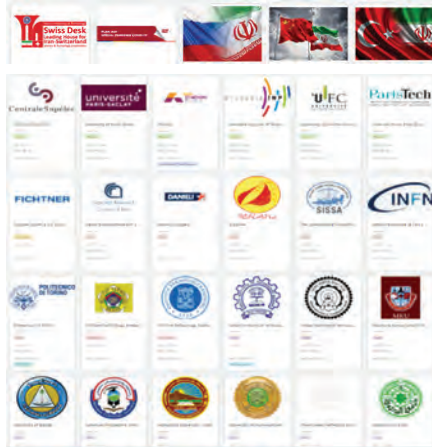
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SUT International Cooperation



MOUs:	163
Dual Degrees:	54
• Université Grenoble Alpes, France	
• Macquarie University, Australia	
• HKUST, Hong Kong	
• University of Waterloo, Canada	
• Politecnico Di Torino, Italy	
Student Exchange:	21
International Grants:	36
International Workshops:	32
International Webinars:	386
International Summer Schools:	15



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SUT – Russian Universities Cooperation

Number of MOUs with 20+ Russian Universities



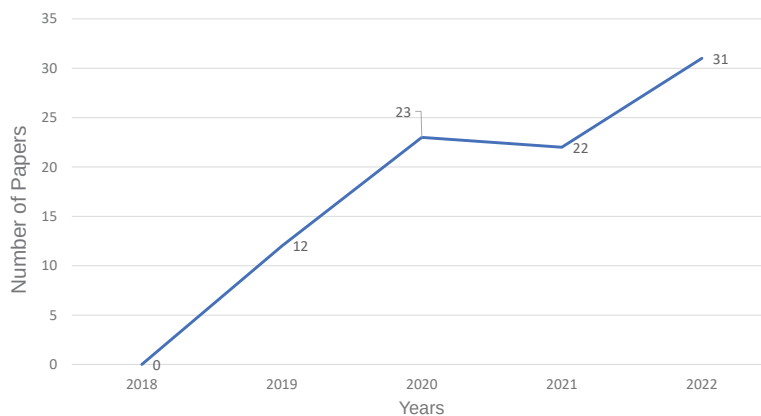
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SUT – Russian Universities Cooperation

Collaboration on publication, 2018-2022



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SUT – Russian Universities Cooperation

SUT & St. Petersburg State University Joint Projects 2020 -2021

Department	SUT Partner	SPBU Partner
Sharif-Saint Petersburg Joint Comprehensive Project to Establish a Joint master's Program on Iranian Culture and Philosophical Traditions / 2020	Ebrahim Azadegan	Tigran Tumanian
Oscillatory behavior analysis in dynamical systems / 2020	Mohammad Saleh Tavazoei	Nikolay V. Kuznetsov
Exploring the potential of deep learning algorithms for two-dimensional chromatographic and Mossbauer spectroscopic data/2020	Hadi Parastar	Dmitry Kirsanov
Effect of Charge Transfer in Surface-enhanced Raman scattering: Experimental and Theoretical Study / 2020	Zahra Jamshidi	Elena Solovyeva
Fabrication of novel 2D nanomaterials by successive ionic layers deposition method for green energy conversion/storage systems / 2021	Ali Esfandiar	Valeri Tolstoy
Investigating Microstructure, Mechanical Properties and Bio-corrosion of the Mg-Ag Alloys for the Application as Bio-degradable Implants / 2021	Reza Alizadeh	Aleksandr Arutyunyan
Software Development for Diagnostics and Prognostics of Rolling Element Bearings / 2021	Mehdi Behzad	Oleg Granchin



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SUT – Russian Universities Cooperation

SUT & St. Petersburg State University Joint Projects

Year	Department	SUT Partner	SPBU Partner
2023	Four Ethical Challenges of Artificial Intelligence	Seyed Hassan Hosseini	Tigran Tumanyan
2023	Structural and theoretical studies of non-covalent interactions in a series of new rhenium(I) tricarbonyl complexes bearing mixed nitrogen and oxygen donor ligands	Reza Kia	Vadim Boiarskii
2023	Synthesis, characterization and electrochemical performance of high-voltage LiNi _{0.5} Mn _{1.5} O ₄ cathode materials for Li-ion battery application using conductive binder	Shahnaz Ghasemi	Svetlana Eliseeva



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SUT – Russian Universities Cooperation

SUT & Tomsk State University Joint Projects

Year	Department	SUT Partner	SPBU Partner
2024	3D-printed biodegradable scaffolds with zoledronic acid-loaded mesoporous bioactive glass for promoting osteoporotic bone defect repair	mashay ekhan	Kurzina Irina Alexandrovna



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SUT – Russian Universities Cooperation

SUT & Tomsk Polytechnic University

Year	Department	Level
2024	Dual Degree, petroleum Engineering Department	MSC



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Some Suggestions:

1. Establish Steering Committee: Begin by forming a **joint committee** from both institutions.
2. Define Clear Objectives: Set out the **main goals** and **areas of collaboration**.
3. Draft Memorandum of Understanding (**MoU**): Outline responsibilities and expectations.
4. Identify & Launch Pilot Projects: Start with small-scale initiatives to build trust (webinars, seminars, conferences, workshops, visiting, short courses, mobility, joint projects, Dual degree,...).



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Some Suggestions:

5. Secure Funding & Resources: Obtain the necessary financial and in-kind support.
5. Develop Digital Collaboration Platform: Create an online space for coordination and communication.
6. Plan Regular Communication & Evaluation Meetings: Schedule periodic meetings to monitor progress.
7. Capacity Building & Training: Organize training sessions and workshops to strengthen skills.
8. Review, Learn, & Scale: Evaluate outcomes, refine strategies, and expand successful initiatives.



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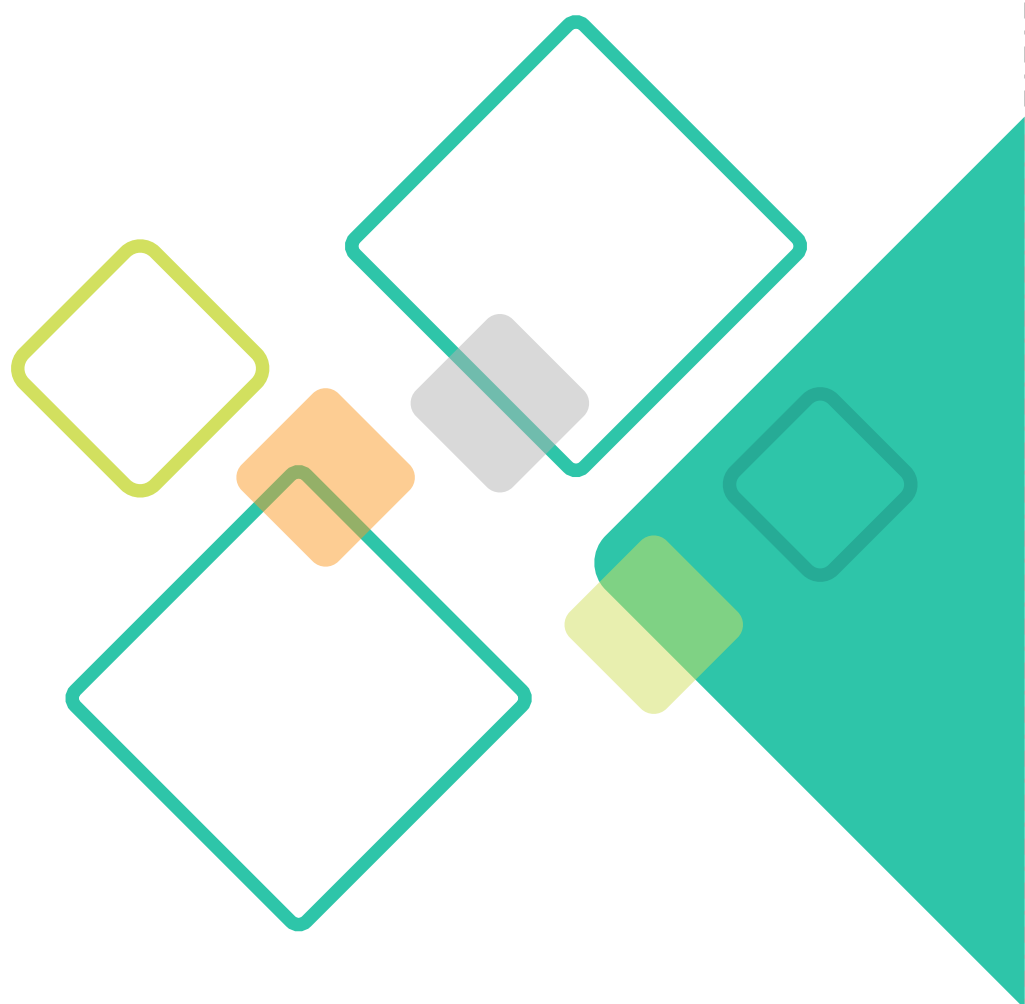
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University of Tehran



University of Tehran



In the name of Allah,
the Compassionate,
the Merciful





University of
TEHRAN

Pioneer in
Iranian
Higher
Education



Introduction

Introduction



University of
TEHRAN

Pioneer in
Iranian
Higher
Education

- University of Tehran: Iran's leading modern university.
- Followed in the footsteps of *Darul-Funun* (Polytechnic) School founded in **1851** and incorporating schools such as *Madreseh-ye tebb*, *Madreseh-ye alee-e felahat*, and *Madreseh-ye alee-e hoquq*.
- University of Tehran was officially ratified by the Iranian parliament in **1934**.



Faculty and students of the
Faculty of Medicine, 1940

Introduction



- a **comprehensive university** offering a variety of disciplines
- 10 campuses in about 1,000,000 m² of educational space



Aerial view of the main campus, 1960s



Facts & Figures

Facts & Figures

Geography

- Central campus
- other faculties and institutions in **Tehran**

Tehran

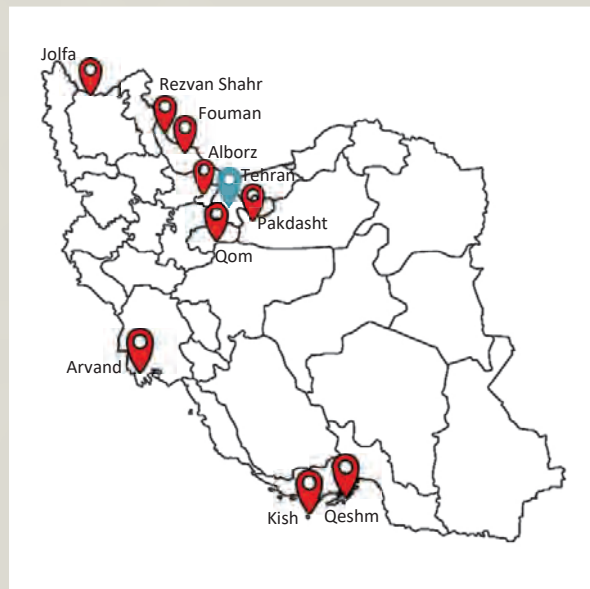


Facts & Figures

Geography

- Central campus
- other faculties and institutions in **Tehran**
- **9** other campuses across **Iran**

Iran



Facts & Figures

Library Resources

- **1.1+ millions** book titles
- **200,000+** historically significant and unique documents
- **2,000+** historical maps
- **17,000+** manuscripts
- **2,700+** Newspaper and magazine titles (since 1843)
- Seismic data (all records over 3 Richter in Iran since 1993)



Facts & Figures

Faculty Members (2024)

- Total Number: **2,332**
- Professors: **606**
- Associate Professors: **831**
- Assistant Professors: **871**
- Lecturers: **24**





University of
TEHRAN

Pioneer in
Iranian
Higher
Education

Facts & Figures

Variety of Disciplines and Activities

- Departments: **250**
- Laboratories: **550+**
- Scientific Journals: **158**
- International Agreements/MOU's: **749+**





University of
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Iranian
Higher
Education

Facts & Figures

Variety of Disciplines and Activities

- Membership in International Associations/Unions: **28+**





University of
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Facts & Figures

Research Institutions & Centers

- **76** research centers and institutions
- **19** centers of excellence
- **%14** of centers of excellence of the country



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Facts & Figures

6 UNESCO Chairs

- Water Reuse
- Interdisciplinary Research in Diabetes
- Engineering Education
- Entrepreneurship
- Cultural and Cyberspace: Dual-Spacization of the World
- Social Health and Development



Facts & Figures

Students (2024)



Pioneer in
Iranian
Higher
Education

11,799
PhD

716
Prof. Doctorate

23,109
Master

19,559
Bachelor

55,183
Total

%65
Graduate Level

12,000
Tehran Dormitory
Capacity

Facts & Figures

Top Priority of National Applicants



Pioneer in
Iranian
Higher
Education

Every year about one million applicants take part in a national entrance exam, out of which only **10%** have a chance to attend the top universities.



National Entrance Exam
July, 2017

Facts & Figures

UT Science & Technology Park



University of
TEHRAN

Pioneer in
Iranian
Higher
Education

Founded: 2006

Mission:

- supporting University of Tehran spin-offs
- Bridging industry and university
- Facilitating internationalization of the resident companies



High standard office spaces
provided in incubator

Facts & Figures

Global Rankings



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- Times Higher Education (2025):
401-500



- QS (2026):
322



- Academic Ranking of World Universities
(ARWU) (2025): 401-500

University of Tehran

 University of TEHRAN Pioneer in Iranian Higher Education	Facts & Figures	Global Subject/Faculty Rankings (2024-2025)		
				
	▪ Business and Economics (201-250) ▪ Computer Science (201-250) ▪ Engineering (201-250) ▪ Physical Sciences (301-400) ▪ Social Sciences (301-400)	▪ Mining & Mineral Engineering (51-75) ▪ Water Resources (51-75) ▪ Civil Engineering (76-100) ▪ Metallurgical Engineering (76-100) ▪ Agricultural Sciences (101-150) ▪ Food Science & Technology (101-150)	▪ Engineering – Petroleum (22) ▪ Agriculture and Forestry (101-150) ▪ Statistics & Operational Research (151-200) ▪ Electrical and Electronic Engineering (201-250) ▪ Mechanical, Aeronautical & Manufacturing Engineering (201-250) ▪ Environmental Sciences (201-250) ▪ Geophysics (201-250)	

 University of TEHRAN Pioneer in Iranian Higher Education	Facts & Figures	Global Subject/Faculty Rankings (2024-2025)		
		▪ Polymer Science (7) ▪ Green and Sustainable Science and Technology (13) ▪ Pharmacology and Toxicology (26) ▪ Water Resources (26) ▪ Energy and Fuels (41) ▪ Engineering (42) ▪ Agricultural Sciences (50) ▪ Mechanical Engineering (52) ▪ Food Science and Technology (60) ▪ Civil Engineering (72) ▪ Artificial Intelligence (80) ▪ Plant and Animal Science (88)		

Facts & Figures

Academic Publications

(September 22, 2025)



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- No. of Web of Science Indexed Documents: **76,463**
- No. of Scopus Indexed Documents (From 1953): **89,456**
- No. of WoS 2024 Indexed Documents: **4,411**
- No. of Scopus 2024 Indexed Documents: **5,778**
- Citations per Paper (Citation Impact): **~20**
- H-Index (WoS): **260**
- H-Index (Scopus): **290**
- International Collaborations: **~38%** of WoS Indexed Documents, **160** Collaborating Countries

Facts & Figures

International Students (2024)

Number of Students: **1,781**

(more than 33 nationalities)

- PhD: **996**
- Master's: **499**
- Bachelor's: **283**
- Professional Doctorate Students: **3**



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... thank you for
your attention.



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Sep. 2025

