



St Petersburg
University

IRANIAN AND RUSSIAN UNIVERSITIES: FORMS OF COOPERATION IN THE CONTEXT OF INTERNATIONAL ACADEMIC RANKINGS PROMOTION

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SPBU AND IRANIAN UNIVERSITIES COLLABORATION

International Academic Rankings: Steps for Progress

1. Find common goals and ground with partners. Conduct your research in a truly interdisciplinary way
2. Find co-funding opportunities
3. Make research resources available for partner universities
4. Concentrate resources on relevant research issues
5. Use mobility options

COLLABORATION OF IRANIAN AND RUSSIAN UNIVERSITIES: KEY FIGURES

2014

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2018

1 081

articles in scientific journals indexed in Web of Science

Q1

544

Q2

129

Q3

74

Q4

45

TOP-5 RESEARCH AREAS	WOS DOCS	TOP-5 ORGANISATIONS	WOS DOCS	Q1,%
1. PHYSICS, PARTICLES & FIELDS	426	1. ISLAMIC AZAD UNIVERSITY	509	88,4
2. ASTRONOMY & ASTROPHYSICS	191	2. ISFAHAN UNIVERSITY OF TECHNOLOGY	466	92,0
3. PHYSICS, NUCLEAR	133	3. UNIVERSITY OF TEHRAN	288	81,1
4. PHYSICS, MULTIDISCIPLINARY	67	4. UNIVERSITY OF YAZD	187	92,9
5. ZOOLOGY	52	5. SHARIF UNIVERSITY OF TECHNOLOGY	103	92,2

according to InCites Dataset

SPbU AND IRANIAN UNIVERSITIES COLLABORATION: CURRENT INDICATORS

**24
articles**

Q1: 50%

Q2: 30%

Q3: 15%

Q4: 5%

TOP RESEARCH AREAS OF COLLABORATION

1. MATERIALS SCIENCE, MULTIDISCIPLINARY
2. NANOSCIENCE & NANOTECHNOLOGY
3. PHYSICS, APPLIED
4. PHYSICS, PARTICLES & FIELDS
5. CHEMISTRY, MULTIDISCIPLINARY
6. CHEMISTRY, PHYSICAL
7. ENVIRONMENTAL SCIENCES
8. GEOSCIENCES, MULTIDISCIPLINARY
9. PALEONTOLOGY
10. PHYSICS, CONDENSED MATTER

TOP UNIVERSITIES IN COLLABORATION

1. UNIVERSITY OF TEHRAN
2. ISFAHAN UNIVERSITY OF TECHNOLOGY
3. ISLAMIC AZAD UNIVERSITY
4. AMIRKABIR UNIVERSITY OF TECHNOLOGY
5. SHARIF UNIVERSITY OF TECHNOLOGY
6. UNIVERSITY OF YAZD
7. FERDOWSI UNIVERSITY MASHHAD
8. SHIRAZ UNIVERSITY OF MEDICAL SCIENCE
9. UNIVERSITY KASHAN
10. AHVAZ JUNDISHAPUR UNIVERSITY OF MEDICAL SCIENCES (AJUMS)

according to InCites Dataset



INTERDISCIPLINARY RESEARCH



SPbU priority research areas

WoS docs (2014-2018)

Materials science, multidisciplinary	553
Chemistry, physical	527
Astronomy & astrophysics	481
Physics, applied	437
Physics, condensed matter	423
Chemistry, multidisciplinary	387
Optics	385
Engineering, electrical & electronic	364
Physics, multidisciplinary	364
Biochemistry & molecular biology	316
Mathematics	297



RESOURCE CONCENTRATION ON RELEVANT RESEARCH ISSUES

20
MEGALABS

GRANTS FROM THE GOVERNMENT OF THE RUSSIAN FEDERATION

Since 2010 the RF Government has run six competitions in support of research conducted by leading scholars in Russian educational institutions of higher education.

SPbU MEGAGRANT PROGRAMME

In 2013 and 2014 SPbU run the competition of megagrant programmes. This resulted in the creation of nine science and research laboratories headed by leading Russian and international scholars.

Research topics:

fundamental science
priority areas
development

Personnel:

70% of scientists
under the age of 40

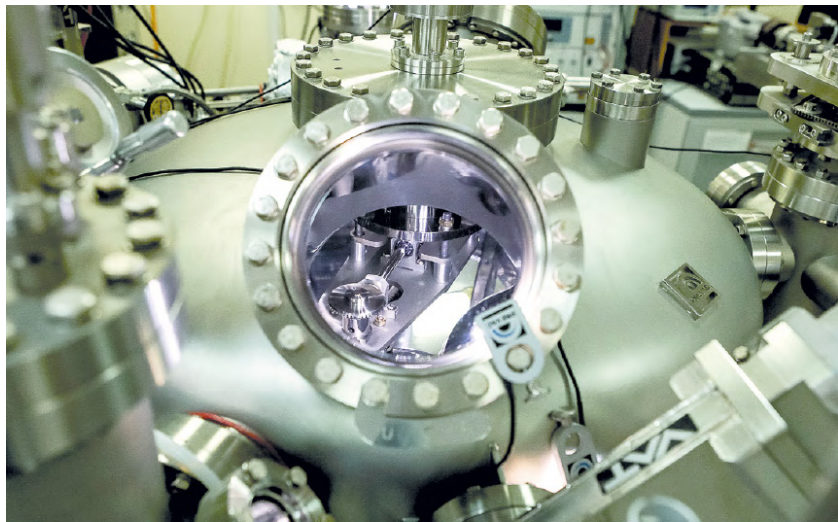
High quality of publications:

about 40% of the articles are
published in scientific journals
related to Q1

Heads of the laboratories:

recognized worldwide scientific
leaders (the highest h-indices in
their subject areas)

RESEARCH PARK



RESEARCH PARK

The SPbU Research Park provides access to advanced research equipment and comprises teams of resource centres conducting research within priority areas set in the SPbU Development Programme. To solve their tasks, teams may work in several resource centres simultaneously or in succession. It is not unusual to conduct interdisciplinary research — at the intersection of several fields of knowledge — within one centre only.

The SPbU Research Park is a free access research environment — anyone showing interest can use its facilities regardless of the University affiliation.

RESEARCH PARK TODAY

26	Resource centres
~ 160	Number of user requests processed daily
3 800	Registered users from SPbU and other organizations
2 390	Active projects in 2017
~40 000	Requests per year for individual measurements or more complicated investigations



MAIN PRINCIPLES OF OPERATION



- **Free of charge for project aimed for joint publications**
payed access to the equipment is also available
- **Full equipment usage support**
measurements could be done by RP staff
or by users themselves
- **Open for short and middle-term research visits**
accommodation upon request
- **Equal access opportunities**
internal and external users



MOBILITY & VISITING OPPORTUNITIES FOR RESEARCHERS



- Staff International Exchange Programme for partner universities
- SPbU PostDoc programme
- Visiting Researcher Scholar Programme
- Guest Lecturers Programme



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