



Tarbiat
Modares University

M. T. Ahmadi
Rector

The 4th Rectors'
Forum for Top Iranian
& Russian Top
Universities

Nov. 2018, Kish Island

TARBIAT MODARES UNIVERSITY



- Tarbiat Modares University (TMU)
- Comprehensive Postgraduate University
- Founded in 1982, located in Tehran
- High Ranking Comprehensive University, including Medical Sciences
- CWTS Leiden current Ranking about: 406
- Offering Degrees in 171 M.Sc. and 132 Ph.D. Programs.
- About 3800 Ph.D. and 5500 Master Students
- TMU has three large campuses; one in center of Tehran, one in west of Tehran (Faculty of Agriculture), and one at the Caspian Sea Coast, North of Iran (Faculty of Natural Resources).



Current Cooperation with Russian Universities

Saint Petersburg State University (MoU Signed in 2017 through my visit)

* Fields of interest:

Mathematics, International Relations, Aerospace Engineering,
Architecture, and Fine Arts

Bilateral research, student short visits

* Results:

- timely response for research and joint seminar proposals
- future programs for Ph.D. Students sabbatical 3-6 months leave



Current Cooperation with Russian Universities

Kazan Federal University (MoU signed in 2014)

* Fields of interest:

-Bio and medical sciences, extendable to other areas.

* Results:

-academic visits,

-bilateral research, and publications are active,

-Post Doctoral research visits are to be defined.

- Comprehensive joint program agreement is underway.



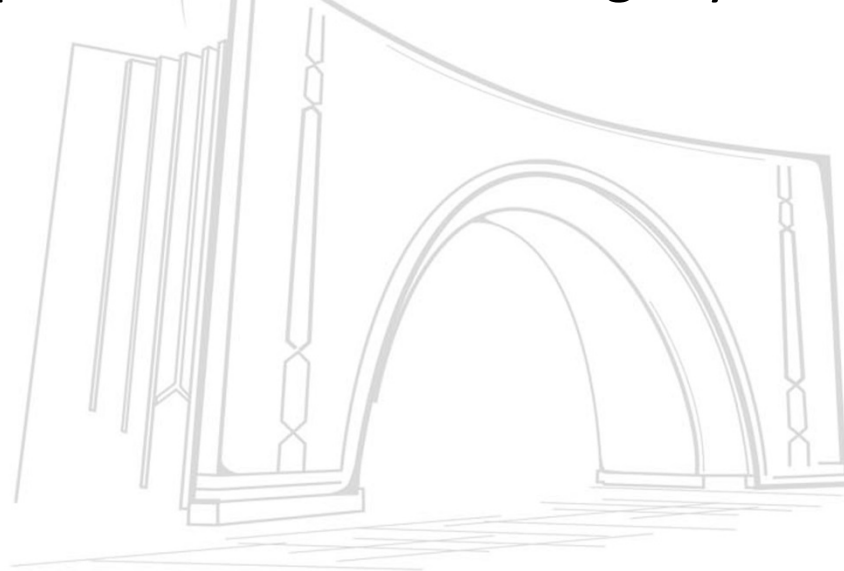
Preferred Fields of Collaboration at Graduate Level

- Oil and Gas, Mining
- Marine Sciences, Natural resources (Caspian Sea)
- Russian Language
- Engineering: Energy, ICT, Aerospace
- Physics
- Medical Sciences
- Architecture and Fine Arts (Cinema, Animation)
- Regional, Political, and Geo-Economical Studies
- Other fields of mutual Interests



Our Proposals to Encourage Collaboration

- Iran-Russia joint academic collaboration fund.
- Bilateral scholarship and short visit exchange system for students and academic members





Thanks for Your Attention





Mission

Tarbiat Modares University in its Strategic Change Plan aims at position among the 200 Top universities in the global level and the 3 Top of the region.

To materialize the above goal, TMU in the next era concentrates at 4 major priorities.

TARBIAT MODARES UNIVERSITY



**Comprehensive Quality
Excellence**

**Autonomy &
Sustainability**

TMU Priorities

**Vibrant Communication
and Networked
Interdisciplinary**

Global Reach



TMU rank according to SCImago

Number of Iranian universities ranked by SCImago	Domestically	Globally	Year
99	5	489	2016
100	5	504	2015
100	5	490	2014
93	5	530	2013
73	5	581	2012
62	5	637	2011
45	7	677	2010
38	9	713	2009

TARBIAT MODARES UNIVERSITY



TMU domestic rank according to ISC

Ranking	YEAR
2	2015-16
2	2014-15
2	2013-14
5	2012-13
6	2011-12



**13 Top
UNIVERSITIES IN
IRAN**





CWTS Leiden Ranking

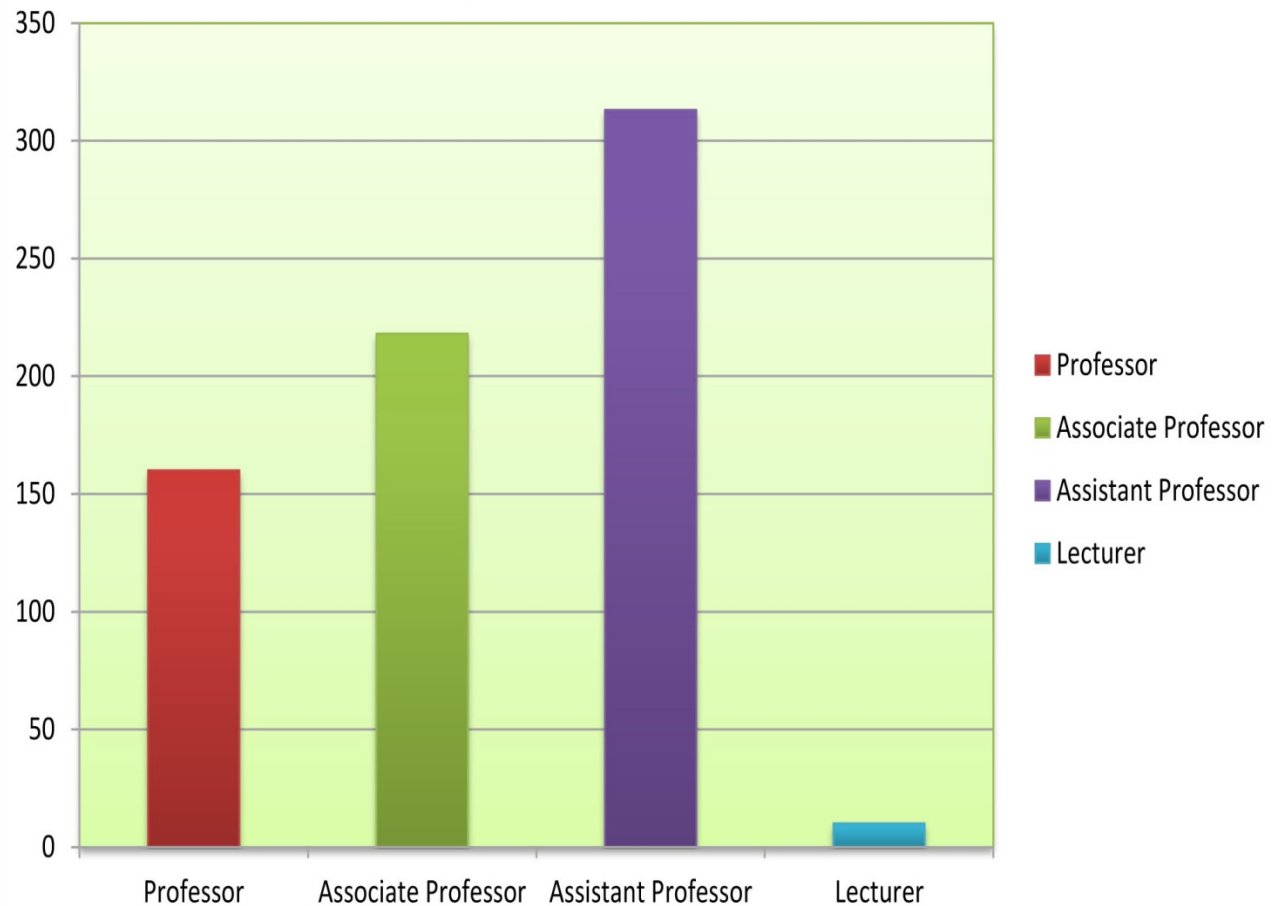
- **World ranking of TMU by CWTS Leiden Ranking (2016): 412**
- **TMU has been known as the Second-rank National Comprehensive University by CWTS Leiden Ranking (2016).**



TARBIAT MODARES UNIVERSITY



Faculty Members



Total Faculty Members: 722

Professor: 168

Associate Professor: 229

Assistant Professor: 315

Lecturer: 10



Numbers of Students in Oct. 2016

M.Sc./ M.A.

Ph.D.

Total

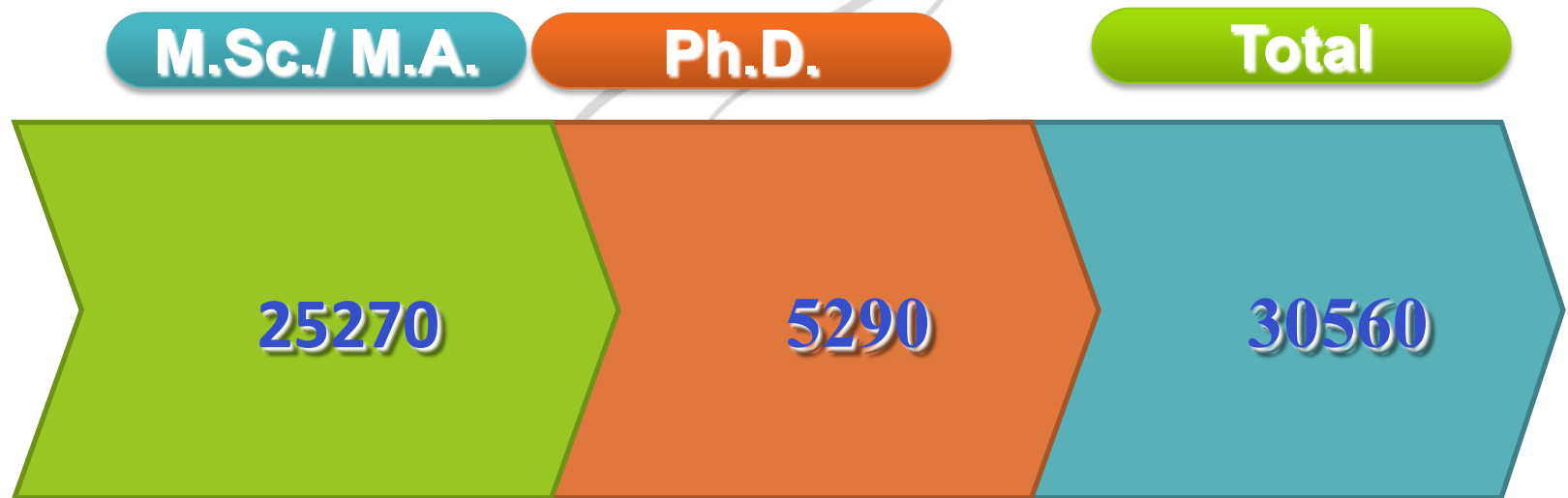
5260

3570

8830



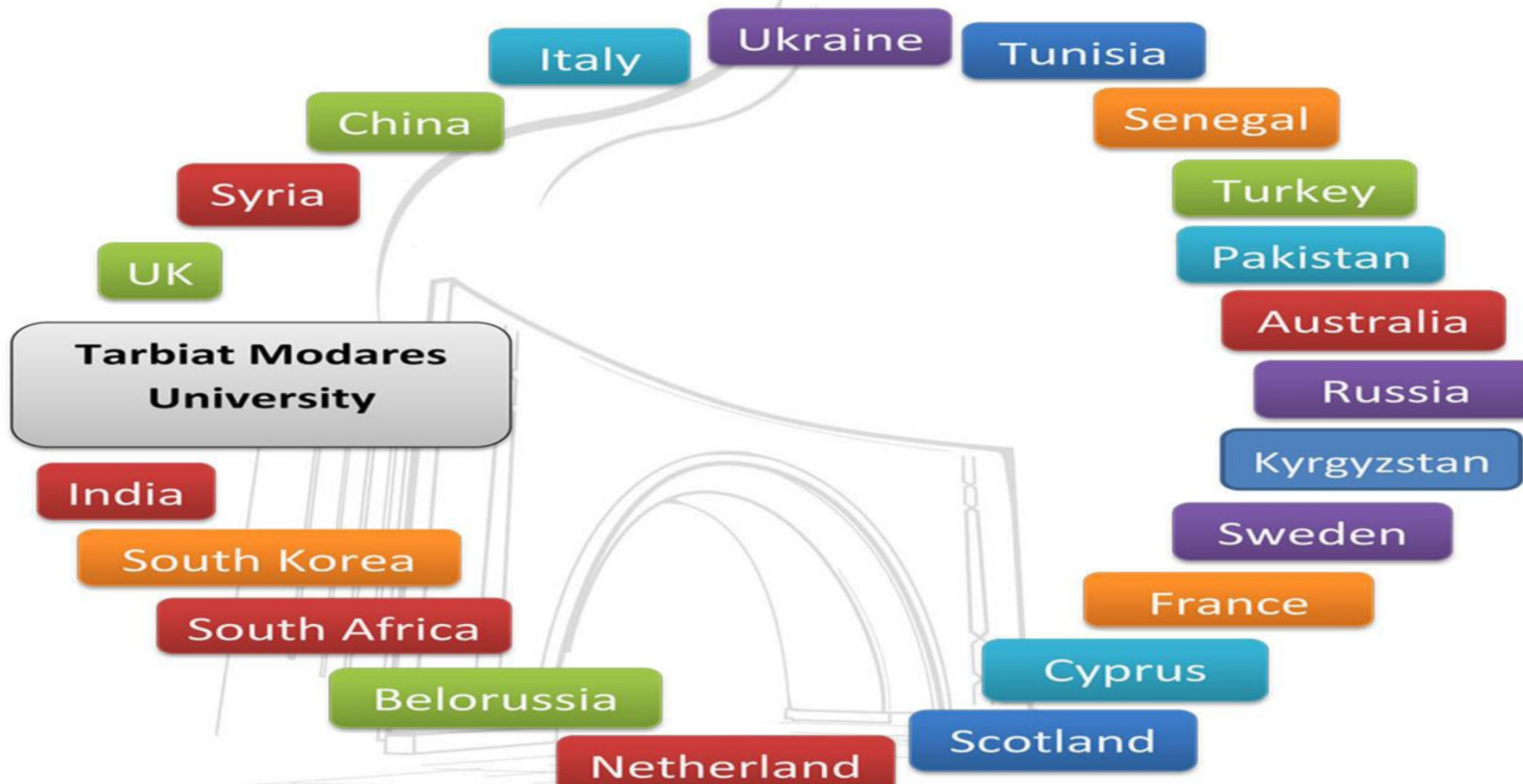
No. of Alumni till Oct. 2016



❖ 469 International Alumni



MOU Between TMU & International Universities and International Institutes



TARBIAT MODARES UNIVERSITY



FACULTIES

AGRICULTURE

ARTS & ARCHITECTURE

BASIC SCIENCES

BIOLOGICAL SCIENCES

CHEMICAL ENGINEERING

CIVIL ENGINEERING & ENVIRONMENTAL

ELECTRICAL & COMPUTER ENGINEERING

MATERIALS & MINING ENGINEERING

HUMANITIES

TARBIAT MODARES UNIVERSITY



FACULTIES

INDUSTRIAL ENGINEERING

LAW

MANAGEMENT & ECONOMICS

MATHEMATICAL SCIENCES

MECHANICAL ENGINEERING

MEDICAL SCIENCES

NATURAL RESOURCES & MARINE SCIENCES



AGRICULTURE

- Faculty of Agriculture has 7 ha agricultural fields, 12 greenhouses, 16 growth rooms, poultry research center, research and production center for mushrooms, medicinal mushrooms, and animal farming, as well as specialized labs on mentioned fields.





ARTS & ARCHITECTURE



The faculty has 9 specialized workshops and a TV studio.

A considerable number of the graduated students of the faculty are employed by the business market and/or exquisite education and research organizations of the country every year.



BASIC SCIENCES

BIOLOGICAL SCIENCES



Here, the Faculty of Biological Sciences offers its scientific and technical Capabilities



There are 50 well-equipped laboratories in the faculty. The labs of the faculty are equipped with state-of-the-art equipment including XRD, XRF, CHN, NMR90, FT-IR, FT-Raman, etc.



CHEMICAL ENGINEERING

The faculty is known as the applied scientific hub for biotechnology & hydrocarbon processes across the country.



- Biotechnology Department have succeeded to register two new international inventions (US Patent), namely Solid State Fermentation in Modified Zymotis Packed Bed Bioreactor, and Modified Polyacrylamide Hydrogel at US Patent and Trademark Office.

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CIVIL & ENVIRONMENTAL ENGINEERING

ELECTRICAL & COMPUTER ENGINEERING





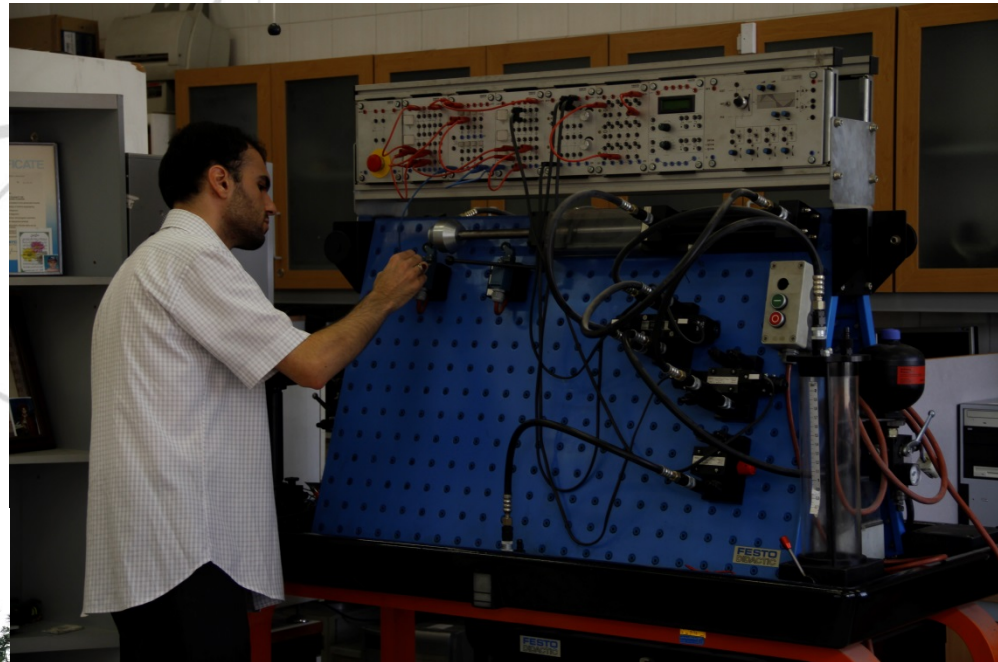
PISHROBOT

TARBIAT MODARES UNIVERSITY



MATERIALS & MINING ENGINEERING

The Faculty of Materials and Mining Engineering's vision is to become a pioneer in new technologies and to obtain international recognition for its excellences in education, research and development and relevant services.



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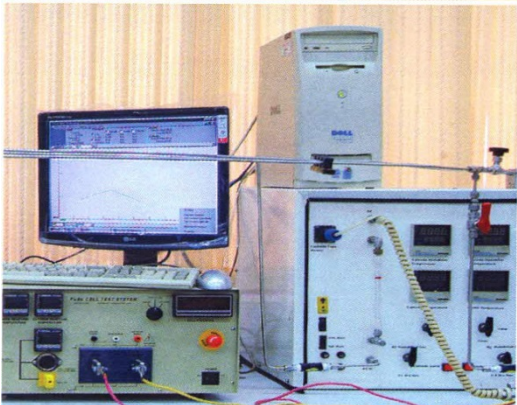
HUMANITIES

The Scientific Hub of Iran's Political Geography, Persian Language and Literature Research Center, and Religious Culture and Thought Studies Center are among affiliates of this faculty.





INDUSTRIAL & SYSTEMS ENGINEERING



The faculty has extensive interactions with international universities through organizing visiting scholarships for academic members and Ph.D. candidates.

The exquisite position of the faculty in making relations with world's authenticated universities has resulted in launching E-commerce and Marketing discipline, as a joint course with the Swedish Lulea University.

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MECHANICAL ENGINEERING

MATHEMATICAL SCIENCES



The faculty members are active members of United States and British Mathematics Associations & serve as the international journals reviewers.



The Faculty of Mechanical Engineering has 18 labs in computational fluid dynamics (CFD), simulations of combustion, bi-phasic flows, mechatronics, propulsion, and also 6 workshops.

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MEDICAL SCIENCES



The faculty of Medical Sciences is equipped with general facilities such as animals' lab, library and computer center as well as 60 well-equipped research other labs.

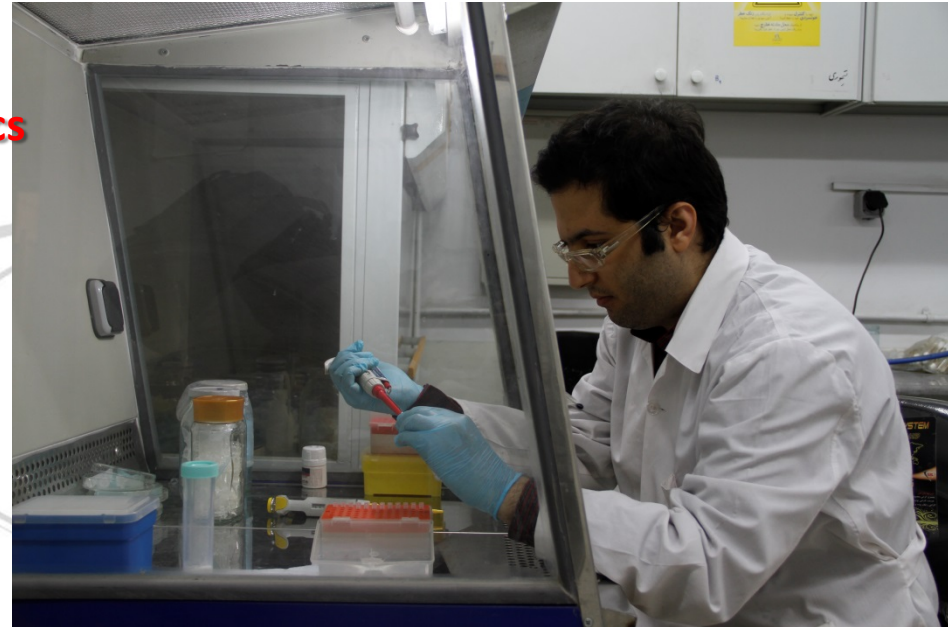


- The National Center of Excellence of Applied Biotechnology is formed by the three Faculties of Biological Sciences, Medical Sciences and Chemical Engineering.
- Faculty of Medical Sciences of TMU publishes several journals such as:
 1. International Journal of Musculoskeletal Pain Prevention,
 2. Nursing Management Journal (in Persian),
 3. Modares Medical Sciences Journal: Biological Pathology (in Persian),
 4. Iranian Journal of Health Education and Health Promotion,
 5. Iranian Journal of Molecular Diagnosis,
 6. Epidemiology and Medicine Infection.

TARBIAT MODARES UNIVERSITY



Health Education Nursing Medical Genetics
Bacteriology Occupational Health
Environmental Health Engineering
Immunology Biostatistics Toxicology



Parasitology & Medical Entomology
Hematology Medical Biotechnology
Medical Physics Anatomical Sciences
Clinical Biochemistry Physiology Physical Therapy

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NATURAL RESOURCES & MARINE SCIENCES

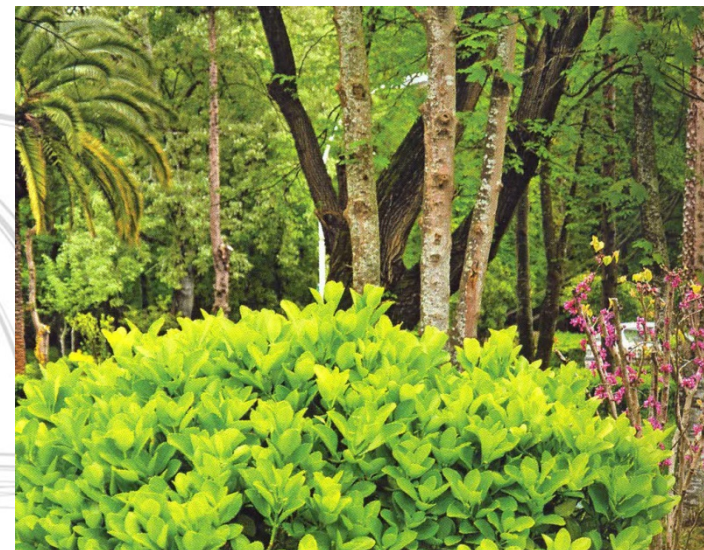


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Beside several well-equipped labs, Faculty of Natural Resources and Marine Sciences has a 1870 ha forest in Molakola region for its research activities.

The academic members of the faculty have published more than 1195 articles in Iranian journals, 689 articles in international journals, 1636 articles in Iranian and international conferences, 23 books in Iran, one book in an international publisher, and also have implemented 45 national projects.







Modares Science and Technology Park (MSTP)

Modares Science and Technology Park (MSTP) was established as a part of TMU to provide appropriate and relevant basis for producing either hardware or software products to meet the national requirements and needs based on its students' ideas and theses, and other Iranian graduate and post-graduate students' theses and dissertations.



- MSTP is comprised of two sections located in West and North-East of Tehran
- The total area of MSTP is more than 75ha which makes it possible to accommodate numerous technology based companies
- The mission of MSTP is to create jobs for more than 4000 talented researchers during a 10-years forecasted plan.



MSTP provides services to knowledge-based companies as per their qualification summarized in three below stages:

Pre-Incubator Stage:

In this stage, consulting and business services are provided to clients with new ideas. This step should take 6 month to be completed.

Incubator Stage:

During this stage, low cost accommodation & financial services are provided to clients. This level would normally take 3-5 years. When this stage is successfully completed, the expectation from the company is to be financially independent.

Establishment:

When qualified or passed the previous stages, clients R&D departments can continue or start as a standalone & independent entity in the park.



Some TMU Honors

- A group of TMU Academic Members have been selected as Everlasting National Figures of Iran.
- Two TMU Academic Members have been awarded by The World Academy of Science Prize.
- More than 400 National Inventions & International Patents have been registered by Academic Members of TMU.
- THOMSON REUTERS announces 14 TMU Academic Members as TOP one-percent Influential Scholars.
- 25 TMU Academic Members are among the 160 Winners of National & International Scientific-Research Festivals.



Some TMU Honors

- Numerous Alumni of TMU are currently play crucial roles in various positions such as Tehran Mayors, Parliament Members, Government Cabinet Members and Ministers, and well-known international actors who have been granted National (e.g., Fajr International Film Festival) and International (e.g., Oscar, Golden Globe and Golden Palm at the Cannes Film Festival) Awards.



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