

*Bonjour*

سلام

*Hello*

*Niha*

*Namaste*







**41000 students**

**2000 faculty members**

**Welcome to:**

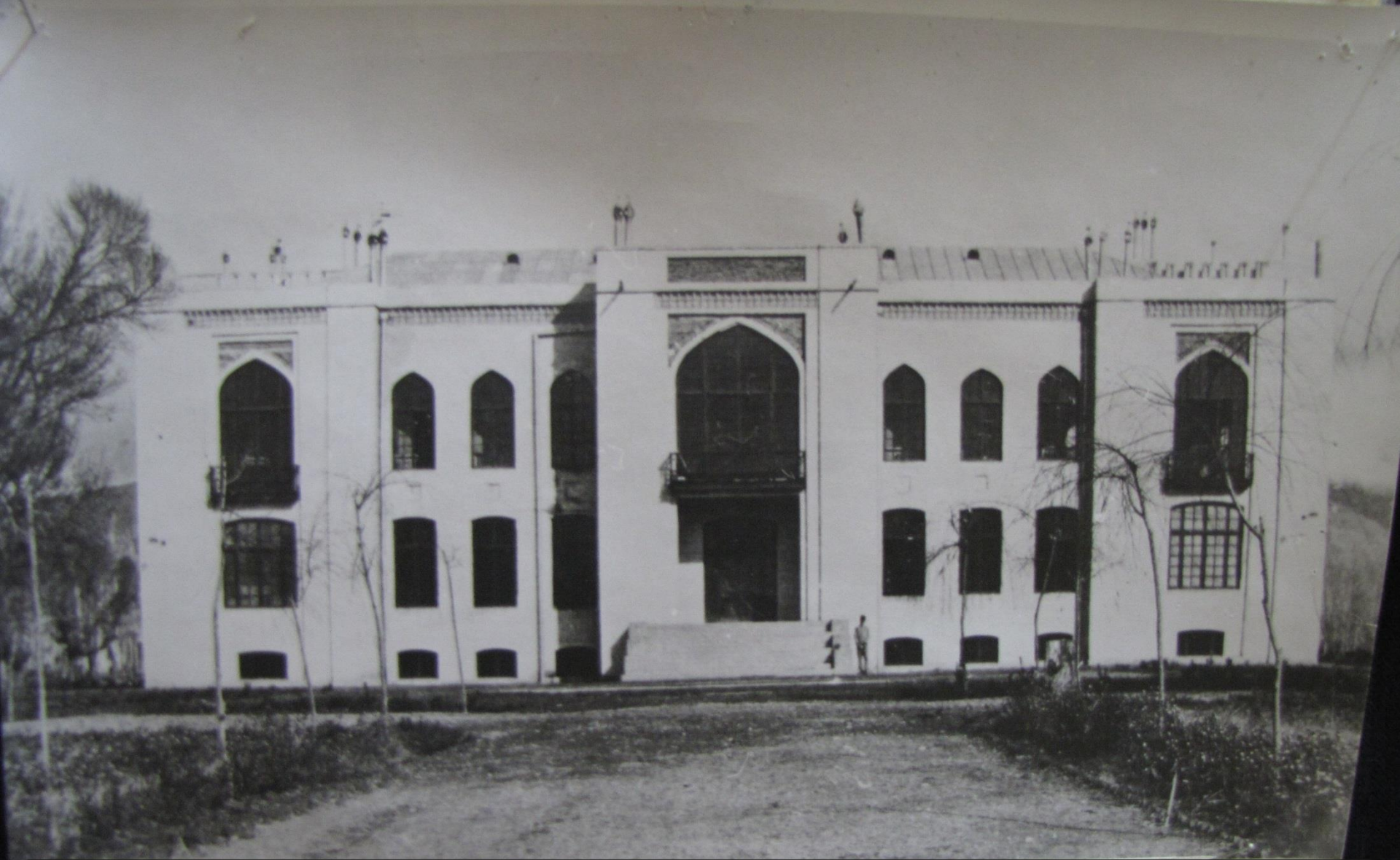
**University of Tehran**  
**Symbol of Higher Education in Iran**



# University College of Agriculture & Natural Resources







Since **1900**





**2023**

**123<sup>rd</sup>**



**Anniversary of  
the College of  
Agriculture and Natural  
Resources  
University  
of Tehran**





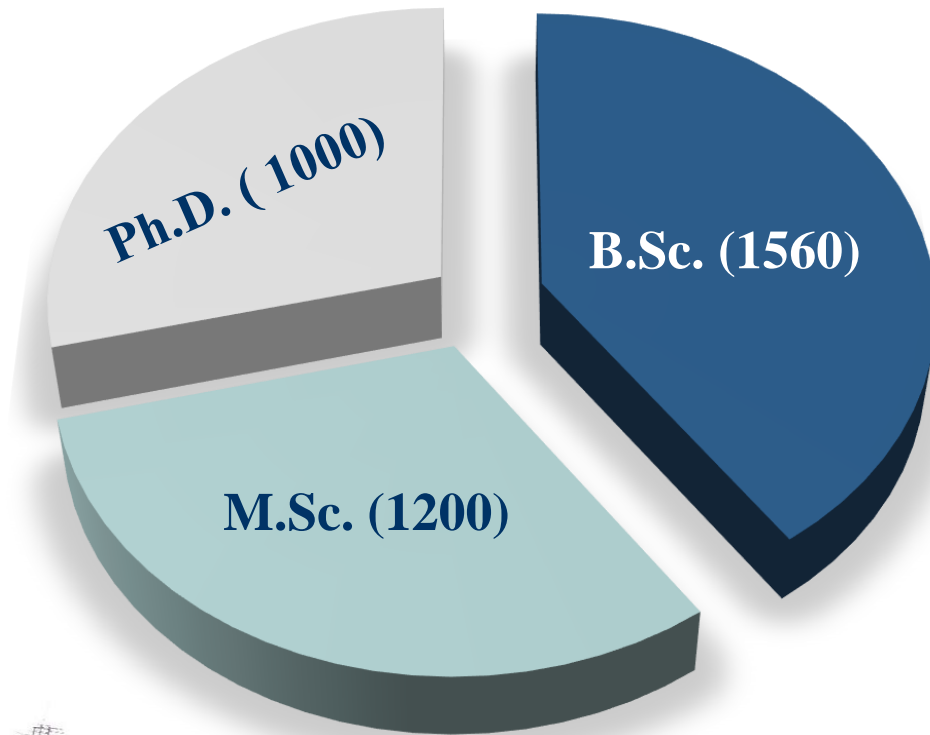


**300**

**Faculty members**



# PROFILE OF STUDENTS



Total No. of students:  
**3760**





# Programs (Majors and specializations)

- **BSc: 27**
- **MSc: 77**
- **PhD: 61**





**University College includes:**

**3** Faculties

- **Faculty of Agriculture**
- **Faculty of Natural Resources**
- **Faculty of Agricultural Technology**

**24** Departments



## 12 Departments





# Dept. of Agronomy & Plant Breeding

Major/Specialization	B.Sc.	M.Sc.	Ph.D.
Plant Production and Genetics with two specializations: <ul style="list-style-type: none"> <li>Agrotechnology</li> <li>Breeding &amp; Biotechnology</li> </ul>	√	-	-
Agrotechnology with 4 specializations: <ul style="list-style-type: none"> <li>Crop Ecology</li> <li>Crop Physiology</li> <li>Seed Science &amp; Technology</li> <li>Weed Science</li> </ul>	-	√	√
Plant Genetics and Breeding	-	√	√
Agricultural Biotechnology	-	√	√

Student :  
**296**

Faculty :  
**21**



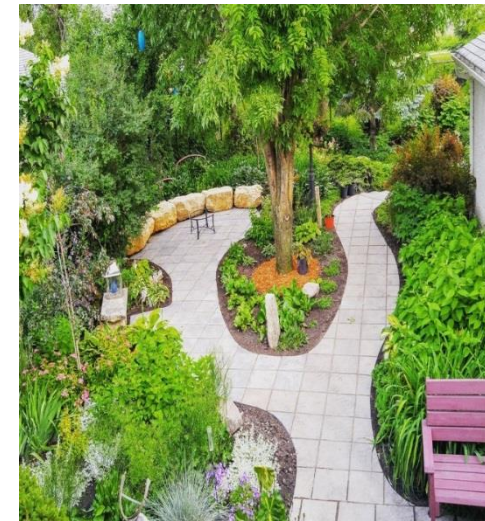


# ❖ Dept. of Horticultural Science & Landscape

Major/Specialization	B.Sc.	M.Sc.	Ph.D
Horticultural Science	√	-	-
Landscape Design	√	-	-
Horticultural Science-Fruit Trees	-	√	√
Horticultural Science-Flowers and Ornamental Plants	-	√	√
Horticultural Science- Vegetables	-	√	√
Horticultural Science-Medicinal Plants	-	√	√
Horticultural Science- greenhouse Productions	-	√	-

**Student :**  
**371**

**Faculty :**  
**20**





Major/Specialization	B.Sc.	M.Sc.	Ph.D.
Plant Protection	√	-	-
Plant Pathology	-	√	√
Agricultural Entomology	-	√	√

Student :  
**229**

Faculty :  
**19**





Major/Specialization	B.Sc.	M.Sc.	Ph.D.
Animal Science	√	-	-
Animal Science with 5 specializations: <ul style="list-style-type: none"> <li>• Ruminant Nutrition,</li> <li>• Poultry Nutrition</li> <li>• Animal Physiology</li> <li>• Animal Breeding and Genetics</li> <li>• Apiculture</li> </ul>	-	√	√

Student :  
**273**

Faculty :  
**19**





# ❖ Dept. of Agricultural Machinery

Major/Specialization	B.Sc.	M.Sc.	Ph.D.
Mechanical Engineering of Agricultural Machines	√	√	√
Agricultural Mechanization	√	√	√
Food Machinery Engineering	√	-	-

Student :  
**303**

Faculty :  
**16**





Major/Specialization	B.Sc.	M.Sc.	Ph.D.
Water Engineering	√	-	-
Water Structures	-	√	√
Irrigation and Drainage	-	√	√
Water Resources	-	√	√
Agricultural Meteorology	-	√	√

Student :  
**342**

Faculty :  
**20**





# ❖ Dept. of Food Science & Technology

Major/Specialization	B.Sc.	M.Sc.	Ph.D.
Food Science and Technology	√	-	-
Food Engineering	-	√	√
Food Science	-	√	√
Food Technology	-	√	√
Food Biotechnology	-	√	√

Student :  
**204**

Faculty :  
**11**





Major/Specialization	B.Sc.	M.Sc.	Ph.D.
Soil Science	√	-	-
Soil Chemistry, Fertility & Plant Nutrition	-	√	√
Soil Biology & Biotechnology	-	√	√
Soil Genesis, Classification & Land Evaluation	-	√	√
Soil Physics & Conservation	-	√	√

Student :  
**212**

Faculty :  
**15**





# ❖ Dept. of Agricultural Economics

Major/Specialization	B.Sc.	M.Sc.	Ph.D
Agricultural Economics	√	-	-
Production Economics & Marketing	-	√	√
Agric. Policy & Development	-	√	√
Natural Resources Economics	-	√	√

Student :  
**146**

faculty :  
**9**





# ❖ Dept. of Agricultural Extension & Education

Major/Specialization	B.Sc.	M.Sc.	Ph.D
Agricultural Extension and Education	√	-	-
Agricultural Extension	-	√	√
Agricultural Education	-	√	√

Student :  
**138**

Faculty :  
**7**





# ❖ Dept. of Agricultural Development & Management

Major/Specialization	B.Sc.	M.Sc.	Ph.D
Agricultural Management	-	√	√
Agricultural Development	-	√	√

Student :  
**65**

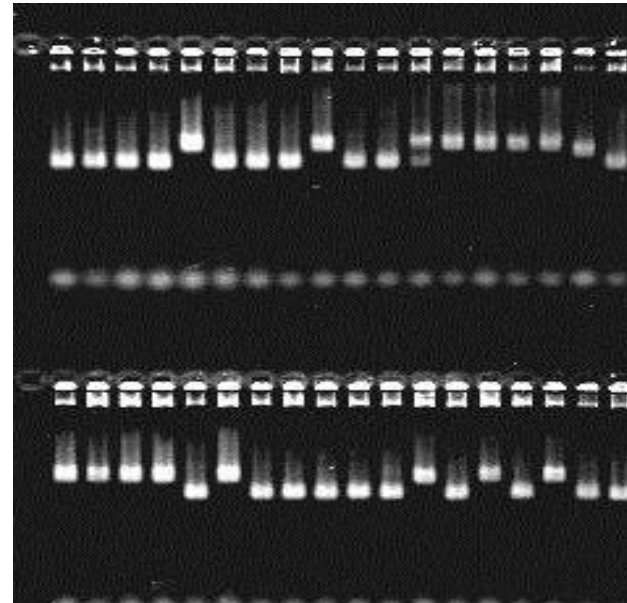
Faculty :  
**7**





# Department of Agricultural Biotechnology

- ❖ **Plant biotechnology**
- ❖ **Animal biotechnology**
- ❖ **Microbial biotechnology**





# Faculty of Natural Resources

5 Departments





## ❖ Dept. of Reclamation of Arid and Mountainous Regions

Major/Specialization	B.Sc.	M.Sc.	Ph.D.
Nature engineering	√	-	-
Watershed Management	-	√	√
Range Management	-	√	√
Desertification Control	-	√	√

Student :  
**234**

Faculty :  
**15**





Major/Specialization	B.Sc.	M.Sc.	Ph.D.
Forestry and Forest Economics	√	-	-
Silviculture and Forest Ecology	-	√	-
Forestry	-	√	√
Forest Engineering	-	√	-

Student :  
**181**

Faculty :  
**13**





Major/Specialization	B.Sc.	M.Sc.	Ph.D.
Wood Biology and Protection	√	√	√
Wood Composite products	-	√	-
Pulp and Paper Technology	-	√	√
Furniture Engineering	√	-	-

Student :  
**253**

Faculty :  
**15**







Major/Specialization	B.Sc.	M.Sc.	Ph.D.
Aquaculture and Fisheries	√	√	√
Aquatic Ecology	-	√	-
Fish Processing	-	√	-

Student :  
**165**

Faculty :  
**12**







Major/Specialization	B.Sc.	M.Sc.	Ph.D
Environmental Sciences	√	-	-
Land use planning and environmental assessment	-	√	√
Biodiversity	-	√	√
Environmental pollutions	-	√	√

Student :  
**162**

Faculty :  
**9**





# Faculty of Agricultural Technology

(Aburaihan Campus)





# ❖ Dept. of Horticulture

Major/Specialization	B.Sc.	M.Sc.	Ph. D.
Horticulture	√	-	-
<ul style="list-style-type: none"> <li>Greenhouse crop production</li> <li>Fruit trees</li> <li>Vegetables</li> <li>Flowers and ornamental plants</li> <li>Medicinal plants</li> </ul>	-	√	
<ul style="list-style-type: none"> <li>Breeding and Biotechnology of Horticultural plants</li> <li>Production and Postharvest Physiology of Horticultural Plants</li> </ul>	-	-	√

Student :  
**150**

Faculty :  
**10**

Post Doc:  
**3**





# ❖ Dept. of Crop science and Breeding

Major/Specialization	B.Sc.	M.Sc.	Ph.D.
Plant Genetics and Production	√	-	-
<ul style="list-style-type: none"> <li>• Plant Breeding</li> <li>• Agricultural Biotechnology</li> <li>• Agrotechnology – Crop Physiology</li> <li>• Agrotechnology – Crop Ecology</li> </ul>	-	√	
<ul style="list-style-type: none"> <li>• Plant Breeding</li> <li>• Agrotechnology – Crop Physiology</li> <li>• Agrotechnology – Crop Ecology</li> </ul>	-	-	√

Faculty :  
**13**



# ❖ Dept. of Biosystems Engineering

Major/Specialization	B.Sc.	M.Sc.	Ph.D.
Biosystems Engineering	√	-	-
<ul style="list-style-type: none"><li>• Design of Agricultural Machines</li><li>• Post-Harvest Technologies</li><li>• Renewable Energies</li><li>• Greenhouse Engineering</li></ul>	-	√	
Biosystems Engineering	-	-	√

Faculty :  
**12**





## ❖ Dept. of Water Engineering

Major/Specialization	B.Sc.	M.Sc.	Ph.D.
Water Engineering	√	-	-
<ul style="list-style-type: none"> <li>• Water structure</li> <li>• Irrigation and drainage</li> <li>• Water resources</li> </ul>	-	√	
Irrigation and drainage and water resources	-	-	√

Faculty :  
**12**

## ❖ Dept. of Animal and Poultry Sciences

Major/Specialization	B.Sc.	M.Sc.	Ph.D.
Animal Science	√	-	-
<ul style="list-style-type: none"> <li>• Animal Nutrition</li> <li>• Poultry Nutrition</li> <li>• Animal Breeding and Genetics</li> </ul>	-	√	
<ul style="list-style-type: none"> <li>• Ruminant Nutrition</li> <li>• Poultry Nutrition</li> </ul>	-	-	√

Faculty :  
**12**



## ❖ Dept. of Food Technology

Major/Specialization	B.Sc.	M.Sc.	Ph.D.
Food Machinery Engineering	√	-	-
Food Science and Technology	-	√	

Faculty :  
**7**

## ❖ Dept. of Entomology and Plant Pathology

Major/Specialization	B.Sc.	M.Sc.	Ph.D.
Entomology and Plant Pathology	√	-	-
• Agricultural Entomology	-	√	
• Plant Pathology			

Faculty :  
**8**



# Areas of Co-operation with overseas universities

1. Exchange of faculty members and students
2. Co-teaching online courses
3. Co-Supervision of MSc. and Ph.D. thesis
4. Co-projects
5. Special short-term academic programs (e.g. seminars, webinars, workshops, internships, courses and summer schools)
6. Joint education programs (e.g. dual PhD degree)
7. Adjunct Professors

# 16 Adjunct Professors from other countries





# 30 Foreign students

1-Afghanistan



2-Iraq



3-Syria



4-Tajikistan



5-Nigeria



7-Sudan



8-Lebanon



9-Oman



10-Indonesia

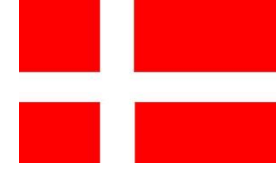
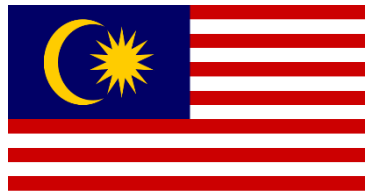


+ Visiting scholars from:

Japan, Italy, France, Germany, Spain, Poland, China...

# Collaboration with different Universities and Institutions (MoU and Agreement signed)

- 1- FAO
- 2- Germany
- 3- France
- 4- China
- 5- Japan
- 6- Syria
- 7- Denmark
- 8- Russia
- 9- Italy
- 10- Spain
- 11- Turkey
- 12- Belarus
- 13- Malaysia
- 14- Iraq
- 15- Romania
- 16- Estonia
- 17-Switzerland
- 18- India





# Some of Recent International Programs

## 15th National & 1st International Congress on Mechanics of Biosystems Engineering & Agricultural Mechanization

20-22 Sep. 2023



# 10th National & 2nd International Animal Science Congress

30-31 August 2023





# Some of Recent International Programs

Login

Register

## GeoSpatial Conference 2019

Agriculture, Natural Resources and Disaster Management

12-14 October 2019  
Campus of Agriculture and Natural Resources  
University of Tehran, Kara, Iran

ISPRS  
International  
Joint Conferences

5<sup>th</sup> SMPR  
Sensors and Models in Photogrammetry  
and Remote Sensing

3<sup>rd</sup> GIResearch  
Geospatial Information Research



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47 days  
To Start Conference

## Keynote and Invited Speakers



### Important Dates

Abstract acceptance notification

01 Jul. 2019

\*\*\* New Deadline for Extended Abstract submission \*\*\*

~~April 30, 2019~~ **May 10, 2019**

Due to several requests, we have decided to extend the deadline for **Extended Abstract** submission. The new deadline is

Contest 1: 3D Building Modeling (LOD3)

Contest 2: Tree detection from UAV images

# Some of Recent International Programs

- ❑ **International Conference on Natural Resources Management in Developing Countries, 2018**



- ❑ **World Forum of Future Leaders of Environment, 2018**



- ❑ **International Conference on Society and Environment, 2018**





# Some of Recent International Programs

## Webinars

### NaDiMa Dialogue #3

#### Droughts, Sand & Dust Storms: Challenges and Management

##### Introduction:

Mohammad Reza Farzanegan, Professor of Economics of the Middle East, Philipps-Universität Marburg

##### Moderator:

Aliakbar Nazari Samani, Associate Professor in Geomorphology and Soil Erosion, University of Tehran

##### Speakers:

Christian Opp, Professor for Physical Geography, Philipps-Universität Marburg

Arash Malekian, Associate Professor of Hydrology and Water Resources Management, University of Tehran

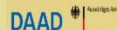
Hamidreza Abbasi, Member of scientific board in desert department, Research Institute of Forests and Rangelands, Tehran

Wednesday, 23 September 2020, 11:00-12:30 CET

Sign up via link: <https://adobe.ly/2DB2Jhc>



Higher Education Dialogue with the Muslim World



### NaDiMa Dialogue #19

#### An Overview of Floods Over the Past Decades in Iran

Date: Thursday, 30 June 2022

Time: 16.00 CET | 18.30 Iran | 15.00 UK | 10.00 Washington D.C.



Aliakbar Nazari Samani (Moderator)  
Associate Professor, Faculty of Natural Resources,  
University of Tehran

Registrations:  
<https://uni-marburg.de/ckey>

Further information:  
[www.uni-marburg.de/ckey/nadima](http://www.uni-marburg.de/ckey/nadima)  
[nadima@uni-marburg.de](mailto:nadima@uni-marburg.de)



Bahram Saghafian (Speaker)  
Professor, Dept. of Civil Eng., Science and Research  
Branch, Islamic Azad University, Tehran  
"A hydrological overview of exceptional  
2019 floods in Iran"



Alireza Moghaddam Nia (Speaker)  
Associate Professor, Faculty of Natural  
Resources, University of Tehran  
"Trends in flood frequency and duration in  
Iran over a 30-years period"



Technology  
Arts Sciences  
TH Köln



**TREE OF LIFE**  
TREE OF LIFE, Landscape Webinar Series

University of Tehran  
Iranian Society of Landscape Professionals-ISLAP

12:30 - 14:30 UTC, 9 - September 2020

**1 Package I: Agricultural Landscape**  
Registration Link: <https://cutt.ly/treeoflife>

**Speakers, Day 2**

	12:30 - 13:30 UTC <b>Carlos Jankilevich</b> Agriculture and Landscape		12:30 - 13:30 UTC <b>Parviz Koohafkan</b> Agricultural Heritage
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# Co-teaching

Explaining the present shape  
Double curvature & crack

- In case of Mona Lisa panel
  - cupping was restrained on upper and lower edges
  - double curvature

radial crack started from upper edge

Participants: محمد بن محمد, Joseph Gill

Participants: محمد بن محمد, محمد بن محمد, محمد بن محمد, محمد بن محمد, محمد بن محمد, محمد بن محمد

Participants: Fei He, Valiollah Mohammadi, Annaliese Mason, Corinna Sauer

North Carolina Agricultural and Technical State University

Isoelectric Solubilization/Precipitation and its Application in Meat Products

Participants: محمد بن محمد, محمد بن محمد

Guest Lecturers

Participants: Ninon, Chloé et Angélique, Martine Rickauer, Vrael B., Ghida Maari, Hugo REMY, Sitem & Valentin, Mone chebil, محمد بن محمد, Boudouin et Martin



# Some of Recent International Programs

## ❖ **Summer School** for graduate Students of University of CAS , China 2019



## ❖ **International Summer School "Educating for a Sustainable Environment"**, 2018

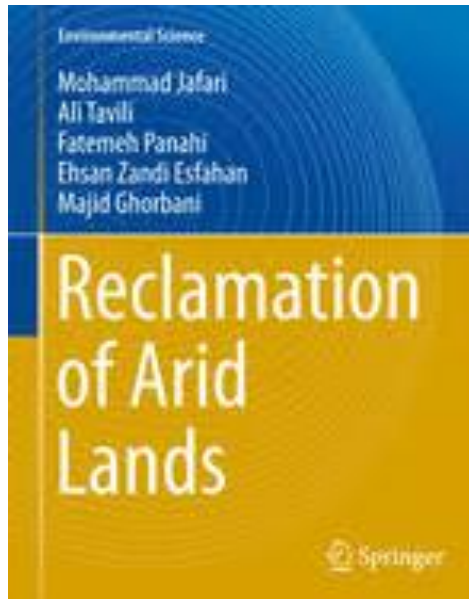


## ❖ **Summer School with University of Applied Forest Sciences, Germany( Taleghan, Iran, 2018)**



# Some of Recent International Programs

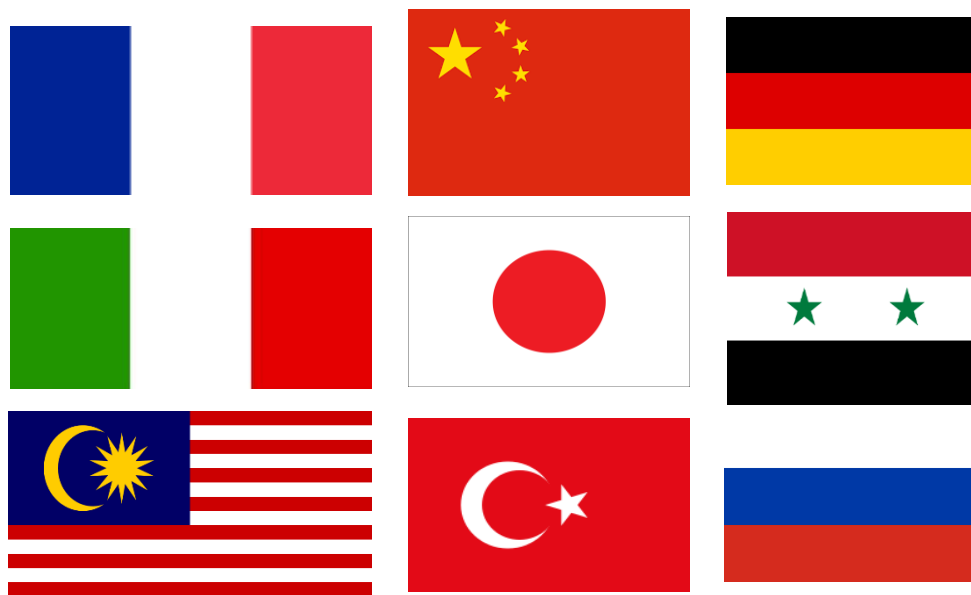
## ❑ International Seminar of Dust, Challenges and Solutions, 2018



**Publication of more than 100 English Books/chapters:  
(e.g. Reclamation of Arid Lands )**



# Joint International Research Projects



❑ International delegations visiting UTCAN





# Journals

1. Iranian Journal of Soil and Water Research
2. Iranian Journal of Agricultural Economics and Development Research
3. Iranian Journal of Horticultural Sciences
4. Iranian Journal of Animal Science
5. Iranian Journal of Plant Protection Science
6. Iranian Journal of Field Crop Science
7. Iranian Journal of Bio systems Engineering
8. Journal of range and Watershed management
9. Journal of Forestry and Wood Products
10. Journal of Fisheries
11. Journal of Natural Environment
12. DESERT (In English)
13. Horticultural Science and Technology (In English)
14. Agricultural Crop Management
15. Water and Irrigation Management
16. Animal Production



# Honors and Achievements

**Long history of contribution to the country 's agriculture and natural resources through education, research, extension and policy making**

- 1. UCAN professors selected as Minister of Agriculture, Minister of Economy, vice-Minister of Science, Parliament member, University president, National/International Outstanding scientists, Editorial board of International Journals, FAO consultant, etc.**
- 2. Breeding and Registration of first wheat, pulse cultivars in the country**
- 3. Publication of first Desertification Atlas and Protected Areas Atlas of Iran**
- 4. One of the oldest genebanks of the world containing 9000 wheat & 5000 pulse crops**
- 5. UTCAN students awarded as top scholars in national scientific festivals**
- 6. Farm selected as top field in the country for seed production of wheat, rapeseed and barley**
- 7. Patents, highly cited papers and books**
- 8. Establishing several majors for the first time in the country**
- 9. Alumni**



# Facilities

# Research Field

## 220ha



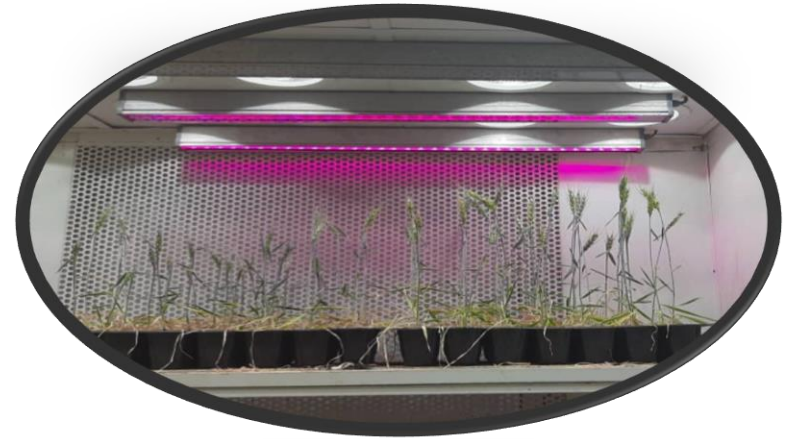






# 80 Labs

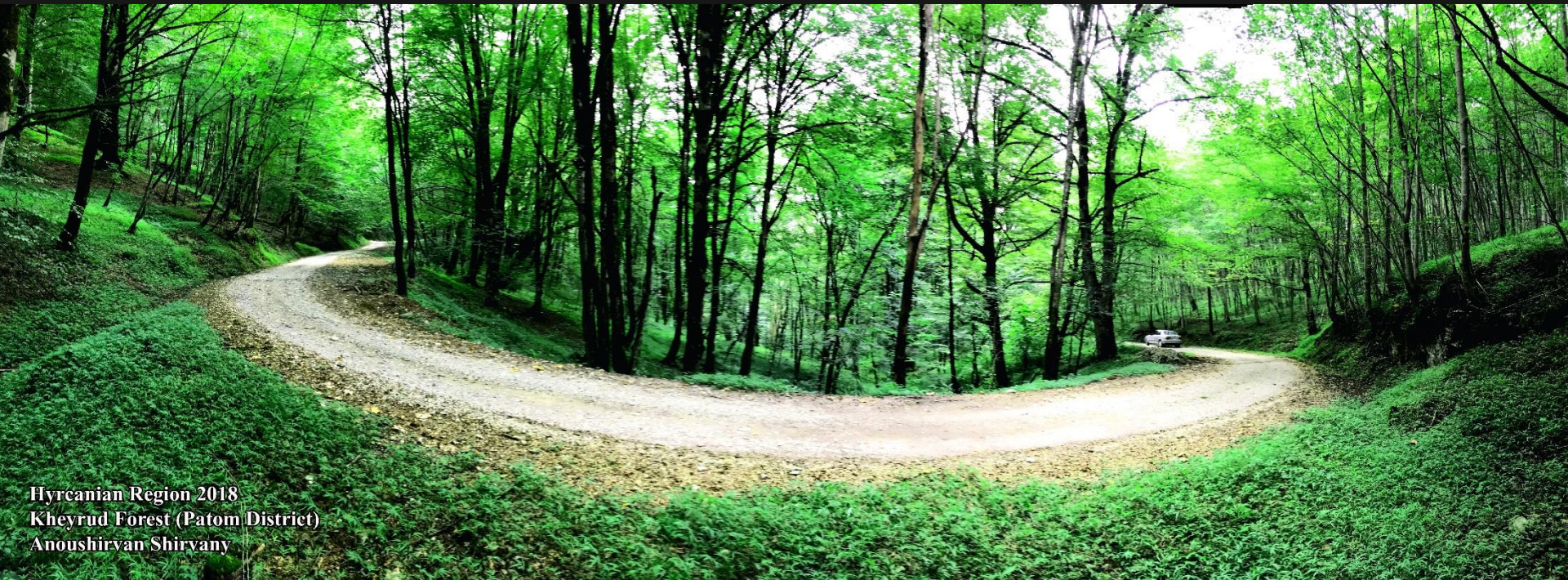
- 30 Greenhouses
- Dairy product factory
- Center of controlled environment agriculture





# Forest Research Station

## 8000 ha



Hyrcanian Region 2018  
Kheyroud Forest (Patom District)  
Anoushirvan Shirvany



# Horticulture Research Station

36 ha

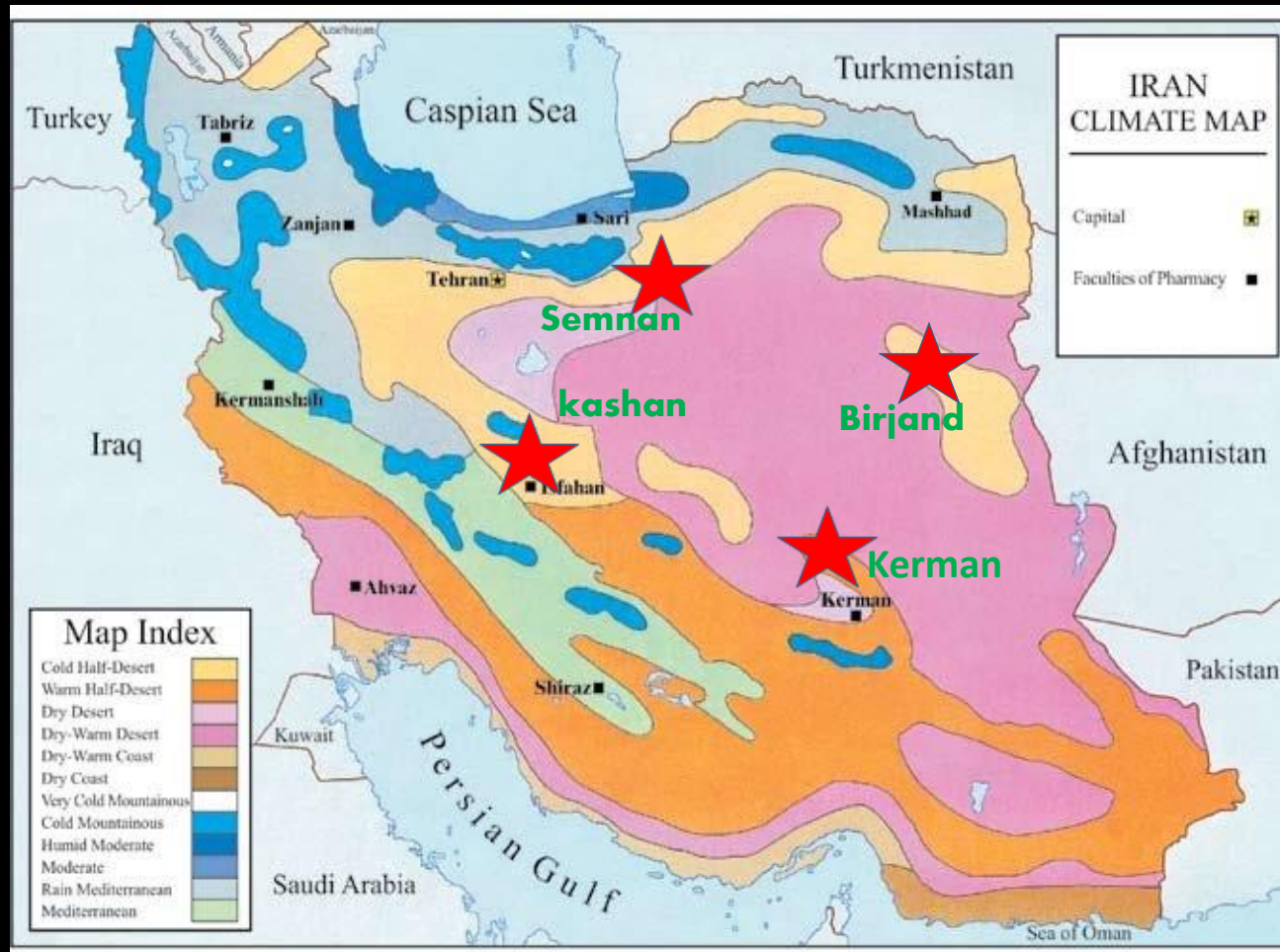




# Animal Research Station



# Desert Research Center



**4**  
**Research  
stations**

**around the  
Dasht-e-Kavir  
and  
Dasht-e-Lut,  
the biggest desert  
regions in Iran.**

Established: 1975



# Plant Genebank





# Soil & Water conservation Research Station (80 ha )



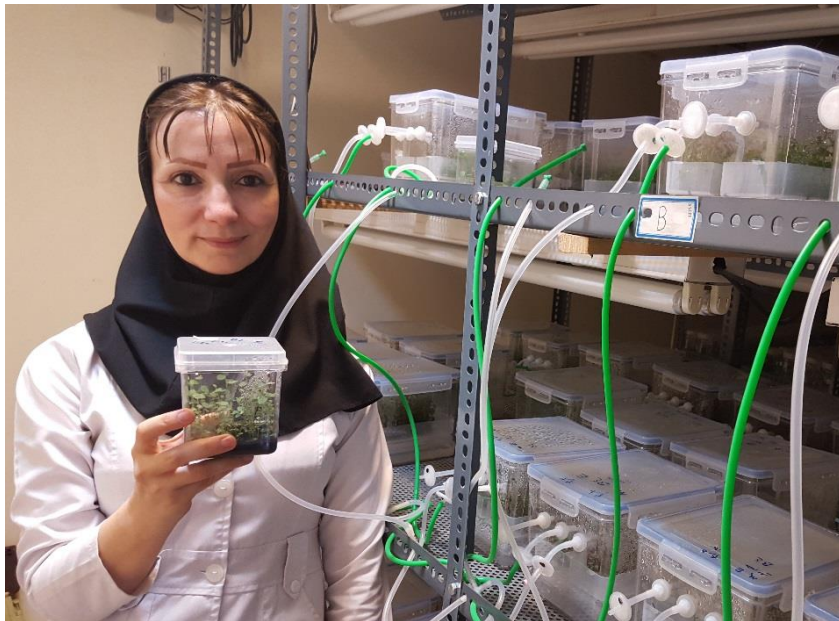


# Science and Technology park



For Commercialization of Research Results

**25 Incubated enterprises**





# Student Accommodation

Male: 1100

Female: 800

Family: 27





# Sport and Recreation Centers





# Hotel Pardis





# Conference Halls







**Museum**







دانشگاه تهران  
پردیس کشاورزی و منابع طبیعی

Thank you...

# Areas of Co-operation with overseas universities

1. Exchange of faculty members and students
2. Co-teaching online courses
3. Co-Supervision of MSc. and Ph.D. thesis
4. Co-projects
5. Special short-term academic programs (e.g. seminars, webinars, workshops, internships, courses and summer schools)
6. Joint education programs (e.g. dual MSc/ PhD degree)
7. Adjunct Professors