

Curriculum Vitae

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Personal information

Name	Rasta
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Date of Birth	January 3, 1985
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Education – Graduate Level

Degree	Master of Forestry
Field of Study	Natural Resources-forest ecology
Start Date	Sep 2015
End Date	Dec 2018
University	Tarbiat Modares University
City, Country	Noor, Iran.
Thesis	S-Allele Diversity of <i>Malus orientalis</i> Uglitzk. Along an Altitudinal Gradient in West of Hyrcanian Forest
supervisor	Dr. Hamed Yousefzadeh
GPA	16.98 Out of 20 (3.69/4.00)

Education – Undergraduate Level

<i>Degree</i>	Bachelor of natural sources engineering
<i>Field of Study</i>	forestry engineering
<i>Start Date</i>	Sep 2011
<i>End Date</i>	Aug 2015
<i>University</i>	Agricultural sciences and natural resources university of Sari
<i>City, Country</i>	Sari, Iran
<i>Project</i>	Forestry project: Forest management planning, Badeleh Forests, Sari City, North of Iran (Includes sampling and data collection operations in the field of forest, review of samples in the laboratory, analysis and software review of data and finally presentation of a forest management plan)
<i>GPA</i>	16.35 Out of 20 (3.36/4.00)

Education – Pre-University Level

<i>Degree</i>	Pre-University
<i>Field of Study</i>	Natural science
<i>Start Date</i>	Sep 2002
<i>End Date</i>	Jun 2003
<i>Institution Name:</i>	Hejrat
<i>City, Country</i>	Isfahan, Iran
<i>GPA</i>	18.58 Out of 20

Education – High School Level

<i>Degree</i>	High school
<i>Field of Study</i>	Natural science
<i>Start Date</i>	Sep 1999
<i>End Date</i>	Jun 2002
<i>Institution Name:</i>	Shahid Saldorgar
<i>City, Country</i>	Isfahan, Iran
<i>GPA</i>	19.04 Out of 20

Skills and Technical Experiences

<i>Lab Assistant:</i>	Cellular and Molecular Lab (DNA Extraction and isolation of Malus orientalis Uglitzk, Pterocarya fraxinifolia and Sorbus aucuparia, optimization and execution of the PCR reaction with different primers like as SSR primers, and carrying out Agarose and Acrylamide electrophoresis of the PCR products, Genetic Analysis using Microsatellite Markers)
<i>Computer and Software Skills:</i>	Microsoft office (Word, Excel, PowerPoint) SPSS, STRUCTURE, GenAlEx, MEGA Software, Gel-Pro Analyzer, R Software, QGIS, GPS
<i>Field Techniques and Skills</i> <i>that I learned during Forestry Project in graduate and Undergraduate Levels</i>	Sampling and Data Collection Operations in the Field of Forest, Review of Samples in the Laboratory, Analysis and Software Review of Data Like as QGIS, Excel, SPSS and Finally Presentation of a Forest Management Plan. <i>Forest Inventory and Mensuration:</i> Height and Diameter Measurement Stand Age Measurement Diameter Measurement Determining the Biodiversity Determining the Forest Herb-Layer Vegetation Using Some Tools: Tree Calipers, Clinometer, Compass, GPS Measuring %Slope with Azimuth Calculation of Wood Volume per Hectare Calculation of the Number of Trees per Hectare Forest Roads Planning Determination of Physical and Chemical Properties of Forest Soil (Structure, Porosity, Density, Aeration) Assessment and Mapping of Forest Parcel Sizes And Provide Afforestation Project

The Skills I Am Learning

<i>Computer and Software Skills:</i>	Machine Learning Deep Learning Python Remote Sensing Analysis Satellite Image Analysis Image Processing Landsat Drones Google Earth Engine
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Research and Teaching Interests

Remote Sensing
Forestry
Forest Ecology
Forest Biology
Filed Research
Environment and Climate Change

Publications

- Dissertation** Rasta Rajaei, 2018. S-Allele Diversity of *Malus orientalis* Uglitzk. Along an Altitudinal Gradient in West of Hyrcanian Forest. Tarbiat Modares University, Faculty of Natural Resources, Department of Forestry, 87p.
- Articles** Yousefzadeh, H., Rajaei, R., Larsen, B., Bina, H., & Kozłowski, G. (2020). S-allele frequency and genetic diversity of *Malus orientalis* Uglitzk along an altitudinal gradient in the Hyrcanian forest. *Forest Systems*, Volume 29, Issue 2, e015.
- Yousefzadeh, H., Rajaei, R., Jasińska, A., Walas, Ł., Fragnière, Y., & Kozłowski, G. (2018). Genetic diversity and differentiation of the riparian relict tree *Pterocarya fraxinifolia* (Juglandaceae) along altitudinal gradients in the Hyrcanian forest (Iran). *Silva Fenn*, 52(5).
- Co-Author a Book** My latest collaboration with my supervisor, Dr. Hamed Yousefzadeh, is related to writing a chapter of the book (titled S-Alleles and Genetic Diversity) he is writing (a book about *Malus orientalis*)
- Start-End Date** July 2021- Oct 2021

Teaching Experience

Teaching practical course of Forest Genetics (Molecholar Lab), master Degree program, TarbiatModares University

Training

Workshop Utilization of UNV(Unmanned Aerial Vehicle) in Agricultural Sciences and Natural Resources Workshop, Tarbiat Modares University, **2015**

Cultivation of Forest Seedling-Sapling Workshop, Tarbiat Modares University, **2015**

Elementary Utilization of R in Data Analysis Workshop, TMU, **2015**

Forest Dynamic Management International Workshop, TMU, **2016**

Modares Spring School workshop, Headlines: Proposal writing, Proposal writing for local projects in Iran, Lectures and scientific presentations, Ethics in research, Management of local projects, Networking and international grants, Writing English articles, Getting to know the business model and plan, Familiarity with the principles of marketing and market research, Commercialization of research findings, How to get admission in science and technology park, 22 hours, TMU and Modares Science and Technology PARK, May 08 – **June 14, 2022**

Priorities of Protection of Wetland Ecosystems, webinar online, Dr. Hosseini, Tarbiat Modares University, **June 06, 2022**

Machin Learning-Python workshop, Dr.Hormoz Sohrabi, **Jan, 2024**

Database Workshop, Mohammad Mahdi Khorsand, Tarbiat Modares University, **February 5-7, 2024**

Other Work Experience and Skills

Drive License Yes

Job Responsibilities Work as a Tutor(Physics and Mathematics)

Name of Company Self-employed

Start-End Date 2008-2010

Location Isfahan, Iran

Job Responsibilities Work as a Typist

Name of Company Kafi computer office

Start-End Date 2010-2011

Location Isfahan, Iran

Job Responsibilities Work as a Network Marketer

Name of Company Baadraan Universal Trading

Start-End Date	2018-2020
Location	Isfahan, Iran
Job Responsibilities	Work as a content production manager(Social Media Manager in the field of crypto currencies)*
Name of Company	RootixExchange(Crypto Currency Exchange), RootyCoin Company and CTRproject
Start-End Date	Des 2020-June 2021
Location	Isfahan, Iran
	*Instagram pages: @rootix.io, @rooty-coincompany, @ctr.project, @rootixpersian, @rootixplus, @arznews2021
Other Skills	Adobe Illustrator (a vector graphics editor and design software), Premium Software, Video editing and designing of posts and cover photos for social medias (Software and Apps like as Picsart, InShot, CapCut, YouCut, Adobe Premiere Pro, Matnnegar, Mojo), Painting (oil and pencil), Writing(short story)

Language Skills

<i>Persian</i>	Native
<i>English</i>	Intermediate

The Names of References

Dr. Hormoz Sohrabi

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<https://scholar.google.com/citations?user=WdisuWgAAAAJ&hl=en&oi=ao>

Dr. Hamed Yousefzadeh

Faculty Name: Forestry

University: Tarbiat Modares University

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Dr. Yahya Kooch

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Prof. Seyed Mohsen Hosseini

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