



Hossein Rostami-Ahmadvandi
Ph.D. in Plant Breeding

04, Rajai st, Kermanshah, Iran
+989188568163
h.rostami83@gmail.com
h.rostami@areeo.ac.ir

February 12th, 1984, Kermanshah / IRAN
Married, no children

Researchgate address: https://www.researchgate.net/profile/Hossein_Rostami-Ahmadvandi

ORCID: <http://orcid.org/0000-0002-4495-1049>

SCOPUS: <https://www.scopus.com/authid/detail.uri?authorId=55392179300>

PUBLON: <https://publons.com/researcher/1831307/hossein-rostami-ahmadvandi/>

Linkedin address: <https://www.linkedin.com/in/hossein-rostami-ahmadvandi-30323b70/?ppe=1>

Google scholar address:

https://scholar.google.com/citations?view_op=list_works&hl=en&user=b9gmz9EAAA-AJ

Employments:

- 2018-present** Assistant professor at Dryland Agricultural Research Institute (DARI), Agricultural Research Education and Extension Organization (AREEO), Iran.
- 2016-present** **Co-supervising M.Sc,** *Co-supervising 5 dissertations in M.Sc. programs in Kermanshah Higher Education Institute and Razi University of Kermanshah*
- 1) Biodiesel production process from *Camelina sativa* oil using promoted CaO catalyst.
 - 2) Effect of organic and chemical fertilizer on agronomic characteristics of *Camelina sativa* L. as a medicinal plant in dry farming conditions
 - 3) Study of sowing date and different levels of fertilizer effects on seed yield, yield components, morphological characteristics and phenological traits in *Camelina sativa* as medicinal-oil seed crop in rainfed conditions in Ilam Province
 - 4) Study of adaptation, seed yield, yield components and morphological characteristics of *Camelina sativa* in different climates in Kermanshah Province
 - 5) Genetic diversity assessment of some Iranian Cumin accessions based on morphological traits.
- 2012-2014** Manager of biotechnology laboratory in Razi university of Kermanshah

- 2013-present** CEO of Bistoon Shafa knowledge based company
2011 Manager of tissue culture laboratory in Razi university of Kermanshah

Academic Qualifications:

- 2012-2016** **Ph.D. in plant breeding (molecular genetics and genetic engineering),** *Department of Agronomy and Plant Breeding, Razi University, Kermanshah, Iran.*
Thesis title: Evaluation the variation and tolerance of mutant lines of Chickpea (*Cicer arietinum* Cv. Bivanij) to different herbicides through Ethyl Methane Sulfonate application
- 2009-2012** **Master of Science in Agricultural Biotechnology, Department of Agronomy and Plant Breeding, Razi University, Kermanshah, Iran.**
Thesis title: Comparison of morpho-agronomic traits versus RAPD and ISS makers in order to evaluate genetic diversity among *Cuminum cyminum* L. accessions
- 2007-2009** **Bachelor in Plant production engineering,** *University of Kurdistan, Sanandaj, Iran*

Publications

- 2011** **H. Rostami-Ahmadvandi,** D. Kahrizi, A. R. Zebarjadi, A. Mostafaie, F. Sohrabi-Babahadi and S. Kiani. Study of *Peganum harmala* Genetic Diversity Based on Sodium Dodecyl Sulphate Polyacrylamide Gel Electrophoresis (SDS-PAGE) Analysis- **Journal of Agricultural Science and Technology A** 1 (2011) 1300-1302
- 2012** S. M. Masoumi, D. Kahrizi, **H. Rostami-Ahmadvandi,** J. Soorni, S. Kiani, A. Mostafaie, K. Yari. Study of genetic diversity of some medicinal plant accessions belong to Apiaceae family Based on seed storage proteins. **Molecular Biology Reports.** 2012. DOI: 10.1007/s11033-012-1914-3

- 2012** D. Kahrizi, K. Cheghamirza, L. Akbari, **H, Rostami-Ahmadvandi**. Evaluation effect of magnetic field on callus induction derived of embryo culture in bread wheat (*Triticum aestivum*. L) genotypes. . **Molecular Biology Reports**. 2012. DOI 10.1007/s11033-012-2214-7
- 2013** **H. Rostami-Ahmadvandi** , K. Cheghamirza, D. Kahrizi, S. Bahraminejad. Comparison of agronomical traits versus RAPD and ISSR markers in order to evaluation of genetic diversity among *Cuminum Cyminum* .L accessions. **Australian journal of crop science**. 7(3):361-367 (2013)
- 2013** E, Farshadfar, **H, Rostami-Ahmadvandi**, A. Shabani. Evaluation of drought tolerance in wheat-rye disomic addition lines using agro-physiological indicators and a new integrated selection index (ISI) . **Annals of Biological Research**, 2013, 4 (6):70-75
- 2015** D. Kahrizi, **H. Rostami-Ahmadvandi**, A. Akbarabadi. Feasibility Cultivation of Camellia (*Camelina sativa*) as Medicinal-Oil Plant in Rainfed Conditions in Kermanshah-Iran's First Report. **Journal of Medicinal Plants and By-products** (2015) 2: 215-217
- 2016** **H. Rostami-Ahmadvandi** , D. Kahrizi, K. Cheghamirza, I. Nosratti, J. Zargooshi. Molecular and agro- morphological genetic diversity assessment of Chickpea mutants induced via ethyl methane sulfonate. **Cell. Mol. Biol.**2016, 62 (11): 8-12
- 2016** A. Zebarjadi, **H. Rostami-Ahmadvandi** , D. Kahrizi, K. Cheghamirza. Assessment of Genetic Diversity by Application of Inter Simple Sequence Repeat (ISSR) Primers on Iranian Harmal (*Peganum harmala* L.) Germplasm as an Important Medicinal Plant. **Journal of Applied Biotechnology Reports**, 2016; 441-445
- 2018** Zahra Raziei , Danial Kahrizi , **Hossein Rostami Ahmadvandi** , Effects of climate on fatty acid profile in *Camelina sativa*. **Cellular and Molecular Biology**, Doi: <http://dx.doi.org/10.14715/cmb/2018.64.5.15>
- 2018** Ali Mostafaie, Danial Kahrizi, Mina Mohammadi, Kheirollah Yari, **Hossein Rostami**, Anita Yaghotipoor, Ali Beheshti Ale Agha, Omid Ali Amjadian, Peiman Yari, Hossein Mostafaie. Effect of planting time and vermicompost on the proteomic pattern of fenugreek (*Trigonella foenum-graecum*). **Cellular and Molecular Biology**. Doi: <http://dx.doi.org/10.14715/cmb/2018.64.9.7>
- 2021** T Rahimi, D Kahrizi, M Feyzi, **HR Ahmadvandi**, M Mostafaei. Catalytic performance of MgO/Fe₂O₃-SiO₂ core-shell magnetic nanocatalyst for biodiesel production of *Camelina sativa* seed oil: Optimization by RSM-CCD method. *Industrial Crops and Products* 159, 113065

International Conference Presentations

- 2011** Study of *Peganum harmala* Genetic Diversity Based on Sodium Dodecyl Sulphate Polyacrylamide Gel Electrophoresis (SDS-PAGE) Analysis. The 3rd international conference on sustainable animal agriculture for developing countries. **Nakhon Ratchasima, Thailand**, July 26-29, 2011.
- 2012** Study of some Iranian *cuminum cyminum* based on morphological and molecular marker. 1st **Biotechnology World Congress. Dubai, UAE** February 14th and 15th, 2012.
- 2012** Evaluation Of Genetic Diversity Based On Agronomic Traits Among Some Cumin Accessions Under The Condition Of Kermanshah, Iran. **1st National Congress On Medicine Plants 16, 17 May 2012, Kish Island, Iran.**
- 2013** Study of some characteristics related to primer after using RAPD marker in order to evaluation of genetic diversity among *cuminum cyminum* Accessions. **2nd National Congress On Medicine Plants. 2013, Shahid Beheshti University, Iran.**
- 2013** Transgenic crops: an undeniable need for sustainable development and achieving food security in developing countries. **The second international conference on agriculture and natural resources. Razi University of Kermanshah, Iran, 2013.**

Workshop certifications

- 1) Real time PCR at Razi University of Kermanshah, Kermanshah, Iran. 2013
- 2) Primer design at Razi University of Kermanshah, Kermanshah, Iran 2013
- 3) R software, beginner and advanced level at Zagros Bioidea Laboratory. 2017

Awards and Honors

- 2009** Ranked 2st, in Cumulative GPA of *Bachelor Class, University of Kurdistan, Kurdistan, Iran.*
- 2012** Ranked 1st among Razi University researchers.
- 2012-2016** Ranked 1st, in Cumulative GPA of *Ph.D. Class, Razi University, Kermanshah, Iran.*
- 2017** Introduction of Soheil cultivar of *Camelina sativa* into Seed and Plant Certification and Registration Institute, Iran.

Skills

- Advanced** Extraction of DNA and RNA from plant tissues
- Advanced** PCR (Polymerase chain reaction) technique (Amplification Refractory Mutation System-PCR, RT-PCR, qRT-PCR)
- Advanced** Plant tissue culture
- Advanced** Molecular markers
- Intermediate** Bioinformatics and primer design using Oligo 7 and Mega 6 software and NCBI database
- Advanced** Proteomics
- Advanced** Microsoft Office, Microsoft Power point, and Microsoft Excel
- Advanced** Working with SPSS, SAS, NTSYS, EXCELSTAT, GENEALX, MVSP,
- Advanced** Watermelon, Wheat, Barely, Bean, Chickpea, Corn, Camelina, fenugreek and Alfalfa cultivation management

Languages

- Kurdish** Native *Mother language*
- Persian** Native *National language*
- English** Upper-Intermediate *Ielts score=6*
Date= OCT 2017

Soft skills:

Team working, Punctuality, Adaptability, Openness to criticism, Creativity.

References

Dr. Danial Kahrizi (*Professor*)
(**Master Supervisors**) Department of Agronomy and Plant Breeding, Razi University Kermanshah, Iran. Email: dkahrizi@razi.ac.ir - Phone:+989183322235

Prof. Ali Mostafaie (*Professor*)
Medical Biology Research Center, Kermanshah University of Medical Sciences, Kermanshah, Iran. Email: amostafaie@kums.ac.ir. Phone: +98834217704