

CONTACT

POURAN ALIVIRDI

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PERSONAL DETAILS

- Date of Birth : 13/04/1987
- Nationality : Sweden

EXPERIENCE

April 2022–October 2023

- **R & D Manager**
Ljussgård AB

"In my capacity as an R & D Manager and decision-maker, my role involved overseeing the testing of high-yield plants, cultivating diverse varieties, employing various lighting techniques, repurposing company waste for creating fertile substrates for mushroom cultivation, conducting experiments to optimize pH/EC levels for improved yield and seed production, advocating for sustainable agricultural practices, and assisting in the cultivation of saffron flowers."

March 2021–April 2022

- **Research Coordinator**
Swegreen

"As a coordinator, my responsibilities have included conducting a variety of tests on a wide range of plants and flowers using agricultural treatments. These treatments encompass drought stress, cold shock, and the application of various nutrients. Additionally, I have experimented with different lighting recipes to extend the shelf life of plants during the packaging phase and to improve their overall yield, seed production, as well as flower and bulb cultivation."

April 2020–May 2021

- **Project Manager**
TA Publikationer HB

"Coordinated the work-flow between different vendors and managed communication."

March 2020–July 2020

- **Intern at the Division of Coating Technology**
KTH Royal Institute of Technology

"In my capacity as an intern, my role primarily involved conducting research on lignin separation in Indian hemp plants. Additionally, I participated in the manufacturing of wooden boards and conducted resistance tests on the produced boards."

2017–2018

- **Research and Teaching Assistant**

Sari Agricultural Sciences and Natural Resources University

"My key responsibilities included orientation, induction and teaching. I was training Biotechnology students as well as leading them in conducting their research projects."

2013–2014

- **Administration officer at food importing/exporting company**
Ariaphone

"My tasks involved accounting, handling incorrect payments and managing customer loans. I wrote contracts and booked meetings, working immediately under the manager."

EDUCATION

2017–2019

- **Sari Agricultural Sciences and Natural Resources University, Iran**
Master of Science (MSc), Genetics and Plant Breeding

2007–2011

- **Payame Nur University, Iran**
Bachelor in Science (BCs), Agricultural Science

MASTER THESIS

- Evaluation of the effect of Salicylic Acid elicitors on changes of Gamma Tocopherol, Linoleic, Oleic fatty acids and Thymoquinone in callus of *Nigella sativa* L. Date: 2019

Score: 19.50 out of 20 (the top grade of the examination season among the students of Agriculture).

SKILLS

- Tissue culture, RNA, DNA extraction, PCR, Southern Blot
- Enzymatic Assay
- Measure of Pigments, Carbohydrates, Secondary Metabolites by Spectrophotometer
- Photosynthetic Analysis Via Fluorometer
- Vertical farming, work with LEDs and light spectra, HPLC
- Gene expression (real time PCR), Gene transfer

TRAINING EXPERIENCE

- Greenspace designing at vocational school
Score: 87 out of 100
- Designer and enclosure maker of green space with DEUXE software at vocational school.
Score: 89 out of 100
- Hydroponic greenhouse cultivation at vocational school
- Endnote software
- Writing ISI articles
- SAS software
- SPSS software
- Truckeriet at Utbildningsbevis AB
- Data analysis for management
- Bonsi production

PROJECTS

- **The effect of different treatments on increasing the number of seeds along with the control of phytic acid in soybean plant**
Helena Persson Hovmalm
Research at the Dept of Plant Breeding; SLU
Peter Bolinder
Innovative Food Tech
- **The effect of water stress during reproductive stage on yield of Pinto beans varieties (*Phaseolus vulgaris* L.)**
Fatemah Godarzi
MS.c Generics and plant breeding
Tehran University
- **Assessing the Allelopathic Effects of Spinach Roots in Hydroponic Cultivation**
Ljusgård
- **Studying the Effect of Blue Light on Ruccola and Mizuna**
Ljusgård
- **Examining White Light on the Quality and Growth of Microgreens**
Ljusgård
- **Investigating the Increase in Light Intensity and the Effect of Blue Light on Tomato Plants**
Ljusgård
- **Examining the Impact of EC on the Quality and Size Enhancement of Saffron Corms**
Ljusgård

PUBLICATIONS

- **Iranian Journal of Medicinal and Aromatic Plant Research**
Evaluation of the Effect of Growth Regulators on Calliogenesis and Regeneration of *Nigella sativa*.
- **3rd International conference on Applied Researches in Science & Engineering**
January 5, 2018, Istanbul, Turkey (Oral presentation)
- **15th National Iranian Crop Science Congress**
September 4, 2018, Karaj, Iran (Oral presentation)
- **15th National Iranian Crop Science Congress**
September 6, 2018, Karaj, Iran (Oral presentation)
- **Biotechnology Development at the Vice-Presidency for Science and Technology**
2018, Sari, Iran. The Role of Computer Processing in Diabetic (Oral prescription)
- **4th International Conference on Applied Researches in Science and Engineering**
October 19, 2019, Virje University, Brussels, Belgium (Oral presentation)
- **International Congress on Science and Engineering**
November 17–18, 2019, University of Tokyo, Japan (Oral presentation)
- **International Congress on Emerging Trends in Engineering Science and Technology**
February 16–18, 2020, Bilkent University, Ankara, Turkey (Oral presentation)
- **5th International Conference on Research in Science and Engineering**
March 18, 2020, Kasem Bundit University, Bangkok, Thailand (Oral presentation)

ACHIEVEMENTS & AWARDS

- Granted scholarship at the university of Salento, Italy. With reference to the above mentioned project, I had been selected for a mobility scholarship of the University of Salento within the frame of the Project 'Inter-Asia'
- Granted national Elites Foundation scholarship award
- The Exemplary Student of the Master's Program in the 2nd Education festival of Sari Agricultural Sciences and Natural Resources University, Genetics and Plant Breeding.

COMPUTER SKILLS

- Principals of next generation sequencing
- R software
- Real time PCR
- Online Software NCBI database, Matlab, Realtime, Sketchup
- Conservation Genetics
- ICDL (International Computer Driving license)
- Using statistical software SAS programming
- Spss software
- SAS software

PATENT

- Designed a nationally recognized innovation of the artificial insemination gun for cows in Iran issued January 2017.
- Plant-Based Plastic (PLA)
Issued Jan 31, 2020

INTERESTS

- Sustainable Agriculture
- Vertical farming
- Biotechnology and Genetics
- Phenotype
- Inventions and innovations in Agriculture

LANGUAGES

- Persian (Native proficiency)
- English (Professional working proficiency)
- Swedish (level B1)
- Arabic (Elementary level)

REFERENCE

- **Prof.Kamal Kazemitabar**
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Sari Agricultural Science and Natural Resource University, Iran
- **Prof.Ghafar Kiani**
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Sari Agricultural Science and Natural Resource University, Iran
- **Linda Fogelström**
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