CONTACT

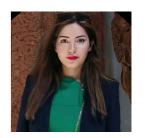
POURAN ALIVIRDI

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PERSONAL DETAILS

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

EXPERIENCE

April 2022-October 2023

R & D Manager Ljusgårda 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

Reseach 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

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
 Liusgårda
- Studying the Effect of Blue Light on Ruccola and Mizuna Ljusgårda
- Examining White Light on the Quality and Growth of Microgreens
 Liusgarda
- Investigating the Increase in Light Intensity and the Effect of Blue Light on Tomato Plants

Liusgårda

 Examining the Impact of EC on the Quality and Size Enhancement of Saffron Corms

Ljusgårda

- 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 Iraninan Corp 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 presentaion)
- 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, Bilket 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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 Linda Fogelström

 Linda Fogelström lindafo@Kth.se KTH Royal Institute of Technology