

PERSONAL INFORMATION



Nevien Adel Ismaeil Elhawat

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🆔 K-8220-2019 (URL: <http://www.researcherid.com/rid/K-8220-2019>)

Orcid ID: <https://orcid.org/0000-0002-6512-4771>

Website: [https://plantbiology.unideb.hu/hu/oktatok-](https://plantbiology.unideb.hu/hu/oktatok-kutatok?fbclid=IwAR3hJr85FkKwCcnY4StDxQjKYOtft_mpd3sNaogxoFcuFveeTHfIQZ4OnY)

[kutatok?fbclid=IwAR3hJr85FkKwCcnY4StDxQjKYOtft_mpd3sNaogxoFcuFveeTHfIQZ4OnY](https://plantbiology.unideb.hu/hu/oktatok-kutatok?fbclid=IwAR3hJr85FkKwCcnY4StDxQjKYOtft_mpd3sNaogxoFcuFveeTHfIQZ4OnY)

Publons: <https://www.webofscience.com/wos/author/record/K-8220-2019>

Google scholar: <https://scholar.google.com/eg/citations?hl=en&pli=1&user=8sfHLrMAAAA>

Sex Female | Date of birth 05/05/1984 | Nationality Egyptian

CITATIONS

- Scopus (h-index 13) (11th November 2022)
- Total citation 626 by 507 documents
- 27 documents
- Google scholar (h-index 16) (13th November 2022)
- Google scholar (i10-index 25) (13th November 2022)
- Total citation 1039 (13th November 2022)

WORK EXPERIENCES

1st Apr. 2021 – until present

Senior Researcher (Assistant professor)

University of Debrecen, Applied Plant Biology Department, Hungary

Responsibilities:

Investigate the possible selenium-fortification of alfalfa green biomass to produce functional leaf protein enriched with selenium and other phytonutrients. Also, preparation of red elemental selenium for bio-fortification. Furthermore, the evaluation of main products and by-products produced from the microelement-fortified alfalfa green biomass by biochemical and analytical methods. Monitoring the changes in soil biota structure upon the soil application of different selenium forms.

8th Nov. 2019 – 30th Apr. 2020

Senior Researcher

University of Debrecen, Agricultural Botany, Plant Physiology and Biotechnology Department, Hungary

Responsibilities:

Investigate the possible utilization of alfalfa green biomass-originated by-products for the production of single cell protein and bioactive molecules (phytochemicals). Furthermore, the evaluation of main products and by-products produced from the microelement-fortified alfalfa green biomass by biochemical and analytical methods.

1st Aug. 2018 – 30th Apr. 2019

Senior Researcher

University of Debrecen, Agricultural Botany, Plant Physiology and Biotechnology Department, Hungary

Responsibilities:

Investigate the possible utilization of green biomass-originated by-products for the production of single cell protein and biomolecules. Furthermore, the evaluation of main products and by-products produced from the microelement-fortified Jerusalem artichoke green biomass by biochemical and analytical methods.

15th Jun. 2016 – 13th Sep. 2020

Assistant professor of Environmental and Biological Sciences

Faculty of Home Economics, Al-Azhar University, Nawag, Tanta, Egypt

Responsibilities:

- Participate in teaching both theoretical and practical parts of the following courses for undergraduate and postgraduate students (i.e., General Environmental Science - Applied Environmental Science – Environmental Pollution – General Biology – General Statistics and Environmental Behaviours)
- Participating in establishment of Animal Lab in Faculty of Home Economics.
- Acting as an academic guide for many students

10th Jan. 2010 – 14th Jun. 2016

Teaching Assistant

Faculty of Home Economics, Al-Azhar University, Nawag, Tanta, Egypt

Responsibilities:

Participate in teaching the practical part of the following courses for undergraduate students either in lab or field (i.e., Meteorology - Environmental Behaviours - General Environmental Science - Environmental Pollution - Applied Environmental Science - Parasites - Computer Science - General Statistics - Biological Statistics and General Biology).

25th Sept. 2007 – 9th Jan. 2010

Demonstrator

Faculty of Home Economics, Al-Azhar University, Nawag, Tanta, Egypt

Responsibilities:

Participate in teaching the practical part of the following courses for undergraduate students either in lab or field (i.e., Meteorology - Environmental Behaviours - General Environmental Science - Environmental Pollution - Applied Environmental Science - Parasites - Computer Science - General Statistics - Biological Statistics and General Biology)

EDUCATION

1st Sept. 2012 - 11st Nov. 2015

Ph.D. degree

University of Debrecen, Plant Biotechnology Department., Hungary.

Ph. D. thesis: “A study on copper-tolerance of giant reed (*Arundo donax* L.) ecotypes for bioenergy purposes”.

Oct. 2006 – 28th Sept. 2009

Master degree

University of Minufiya, Sustainable Development of Environment and its Project Management Department, Environmental Studies & Research Institute, Egypt.

MSc. thesis: “Impact of Climate Change on Growth and Production of Dry Bean (*Phaseolus vulgaris*)”.

Sept. 2002 – 7th Aug. 2006

Bachelor degree

Biological and Environmental Sciences Department, Faculty of Home Economics, Al-Azhar University, Nawag, Tanta, Egypt (B. S. Degree)

1990 – 1999

Elementary School, Semella, Gharbiya, Egypt

1999 – 2002

Secondary School, Semella, Gharbiya, Egypt

SCHOLARSHIPS

1st Sept. 2020 – 31st May 2021

Postdoctoral Scholarship at University of Debrecen, Agricultural Botany, Plant Physiology and Biotechnology Department, Hungary funded by Tempus Public Foundation (TPF), Hungary

15th Oct. 2018 – 15th Mar. 2019

Postdoctoral Scholarship at University of Debrecen, Agricultural Botany, Plant Physiology and Biotechnology Department, Hungary funded by Tempus Public Foundation (TPF), Hungary

14th Nov. 2017 – 31th Jul. 2018

Postdoctoral Scholarship at University of Debrecen, Agricultural Botany, Plant Physiology and Biotechnology Department, Hungary funded by Tempus Public Foundation (TPF), Hungary

1st Sept. 2012 – 31th Aug. 2015

PhD scholarship at University of Debrecen, Centre for Agricultural and Applied Economic Sciences, Faculty of Agricultural and Food Sciences and Environmental Management, Department of Plant Biotechnology funded by the Hungarian Scholarship Board (HSB), the Ministry of Education and Culture, Hungary.

RESEARCH INTERESTS

- Predicting climate change impacts on agricultural crops using DSSAT program
- Soil health and its sustainability
- Biomass production
- Soil microbiology
- Phyto- and bio-remediation of trace elements
- Selenium-biofortification of different agricultural crops
- Chemical and biological synthesis of red elemental selenium
- Organic farming and sustainable development
- Nanofertilizers and nanomaterials
- Green biorefinery
- Leaf protein concentrate
- Production of functional agricultural products

NON-TUTORING ACTIVITIES

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|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| 1 st Feb. 2016 – 28 th Feb. 2017 | Participation in the quality activity work of the Teaching and Education Committee |
| 15 th Feb. 2016 – 13 th Nov. 2017 | Participation in the quality activity work of the Committee for the Development of Teaching and Learning Milestones |
| 1 st Mar. 2017 – 13 th Nov. 2017 | Participation in the quality activity work of the Administrative Authority Committee |

WORKSHOPS, TRAINING COURSES & SEMINARS

- | | |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| July 2010 | Training workshop in laboratories of Middle Eastern Regional Radioisotope Center for the Arab Countries and the Department of Isotopes Atomic Energy Authority |
| March 2008 | Workshop on (Climate Change and Agriculture) at the Egyptian Society of Agricultural and Environmental Sciences in collaboration with the Department of Environment and bioagriculture, Faculty of Agriculture, Al-Azhar University and the Center for Agricultural Research (Central Laboratory for Agricultural climate (CLAC)) |
| November 2007 | workshop on (First Week of the Environment) Under the slogan (Environment is the Life) at the Department of Biological and Environmental Sciences, Faculty of Home Economics, Al-Azhar University In the framework of Environmental Awareness |
| April 2007 | workshop on (New climate change) the Institute of Environmental Studies and Research, University of Minufiya, a branch of Sadat |
| July 2006 | Training workshop on hardware and tools available in The Regional Center for Mycology and Biotechnology, Al-Azhar University |
| 20 th – 21 st July 2019 | Attending the training course held by the Quality Assurance and Training Center at Al-Azhar University under the title "Effective Presentation Skills" |
| 22 nd – 23 rd July 2019 | Attending the training course held by the Quality Assurance and Training Center in Al-Azhar under the title "Techniques of Scientific Research Design" |
| 24 th – 25 th July 2019 | Attending the training course set up by the Quality Assurance and Training Center in Al-Azhar under the title "Examination Systems and Student Evaluation" |
| 27 th – 29 th July 2019 | Attending the training course held by the Quality Assurance and Training Center in Al-Azhar under the title "Curriculum Maps and Course Description" |
| 30 th July – 1 st August 2019 | Attending the training course set up by the Quality Assurance and Training Center in Al-Azhar under the title "Self-study Preparation for Higher Education Institutions" |
| 30 th September 2017 | Conducting a seminar entitled (The Impact of Pollution on the Fetus) within the framework of the activities of the faculty directed to women in the period from March 2017 to March 2018, under the supervision of the Community Participation and Environmental Development Committee of the Quality Assurance Unit at the Faculty of Home Economics, Egypt |
| 13 th April 2017 | Holding a seminar entitled (the Health, Psychological and Social Impacts of Addiction and its Impact on the Environment) under the supervision of the Quality Assurance Unit at the Faculty of Home Economics, Egypt |
| 15 th November 2016 | Participation and attendance in a workshop (applications of nanotechnology on the smoke plant in the field of tissue culture) organized by the nicotine project in the Department of Land and Water and funded by the Fund for Science and Technology Development in cooperation with the Scientific Society for the Protection of the Environment and the National Research Center at the Department of Plant Biotechnology, National Research Center, Egypt |

20th April 2016

Holding a seminar entitled (Green Consumption) within the framework of the Environment Day organized by the Department of Biological and Environmental Sciences under the supervision of the Quality Assurance and Accreditation Unit at the Faculty of Home Economics, Egypt

PROFESSIONAL MEMBERSHIP

Scientific advisor (Arab Centre for Nanotechnology (ID no. 622)
Member of the Egyptian Society for Sustainable Agricultural Development
The Scientific Society of Environmental Protection from 2016

MEMBERSHIP OF EDITORIAL BOARD

Editorial Board:

DRC Sustainable Future: Journal of Environment, Agriculture, and Energy (ISSN 2732-2483)
Frontiers in Nanotechnology (Guest editor)

REVIEWER

Plant Physiology and Biochemistry
Plos One
Journal of Soil Science and Plant Nutrition
Agronomy
Horticulturae
Plants
Phyton - International Journal of Experimental

Conferences

- Biotechnology at the University of Debrecen – 2022 International Symposium, 10 November, 2022. Hungary
"From crops in field to space plants grown in ground bioregenerative life-support facilities: The potential of green biorefining with reflecting the environmental challenges"
- Plant breeding at the beginning of the 21st century: challenges and answers: XXV. Plant Breeding Science Day 2019, Budapest, Hungary. MTA Headquarter, 6-7 March 2019
- XXXVII. Óvár Scientific Days, 9-10 November 2018 : Sustainable Agrarian and Environment, 200 Years of the Óvár Academy - Past, Present, Future, Mosonmagyaróvár, Hungary
- XXIV. Scientific Day of Plant Breeding. Budapest, Hungary. MTA Headquarter, 6 March 2018
- 1st International Conference on Advances in Soil Sciences (ICASC) on 2nd – 5th May 2016, Alex. Library, Egypt
- The 11th International Conference "Climate Changes and Sustainable Development of Natural Resources" at Kafrelsheikh University, Egypt (May 5-7, 2014)
- Pannonian Plant Biotech Association Workshop "Plant for the future" at University of Cluj-Napoca, Romania (September 2013)
- XIX. Növénynevelési Tudományos Napok at Pannon University, Keszthely, Budapest, Hungary (March 7, 2013)
- The 10th International Conference of Egyptian Soil Science Society (ESSS) "Towards Optimal Utilization of Soil and Water Technologies" in conjunction with FAO, IFAD, Government of South Australia, Rural Solutions SA Global food & Agriculture Systems, El-Ameria, Alexandria, Egypt (November 5-8, 2012)
- The 4th International Conference of Water Requirements & Field Irrigation Department, Soil, Water and Environment Institute (SWERI), Agricultural Research Center (ARC) on "On-Farm Irrigation and Agroclimatology" in conjunction with FAO, IFAD, Government of South Australia, Rural Solutions SA Global food & Agriculture Systems, El-Ameria, Alexandria, Egypt (November 5-8, 2012)
- Pannonian Plant Biotechnology workshops "Advances in Plant Breeding and Plant Biotechnology in Centre of Agricultural Sciences" at University of Debrecen, Hungary (June 4-6, 2012)
- XVIII. Növénynevelési Tudományos Napok at Corvinus University, Budapest, Hungary (March 6, 2012)
- World Science Forum "The changing Landscape of Science: Challenges and Opportunities" at Hungarian Academy of Sciences, Budapest, Hungary
(November 17-19, 2011)
- Pannonian Plant Biotechnology Workshops "The bioenergy question: reality or wishful thinking?" at IFA-Tulln, University of Natural Resources and Life Sciences, Vienna, Austria (May 16-18, 2011)
- XVII. Plant Breeding Scientific Day at Corvinus University, Budapest, Hungary (April 27, 2011)
- Agrisafe Final Conference "Climate change: challenge for training of applied plant scientists" at Budapest, Hungary (March 21–23, 2011)

PERSONAL SKILLS

Mother tongue(s)

Other language(s)

Arabic

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1/C2	C1/C2	C1/C2	C1/C2	C1/C2
Hungarian	A1/A2	A1/A2	A1/A2	A1/A2	A1/A2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user

[Common European Framework of Reference for Languages](#)

Communication skills

- Written communication gained from writing many scientific Articles and Books
- Nonverbal communication gained from teaching students for almost 15 years
- Friendliness and respect gained from dealing with foreign colleagues during my PhD scholarship in Hungary and attending international conferences
- Creative thinking
- Microsoft office particularly with Microsoft word, excel sheet and power point
- Motivation gained from my supervisors and during my supervision on Master’s students
- Open mindedness and tolerance
- Team building
- Teamwork

Managerial skills

- Co-supervision on graduation projects introduced by the 4th year students at the Department of Biological and Environmental Sciences, Faculty of Home Economics, Egypt
- Lab member of Animal Lab at the Faculty of Home Economics, Egypt

Job-related skills

- Creative thinking
- Team building
- Teamwork
- Written skill

Driving licence

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ADDITIONAL INFORMATION

Honours and awards

- Award of Kafrelsheikh University for the international scientific publication, 2013
- Award of Kafrelsheikh University for the international scientific publication, 2014
- Award of Kafrelsheikh University for the international scientific publication, 2015
- Award of Kafrelsheikh University for the international scientific publication, 2017
- Award of Kafrelsheikh University for the international scientific publication, 2018
- Award of Kafrelsheikh University for the international scientific publication, 2019

Miscellaneous

- Co-Coordinator for establishment of Memorandum of Understanding (MOU) between Egyptian Soil Science Society (ESSS) and the following Soil Science Societies:
- Hungarian Soil Science Society (HSSS or Magyar Talajtani Társaság, MTT) on November 16, 2013 (established from January 1, 2014).

ANNEXES