

Curriculum Vitae of Dr. Wafaa Rajab

Full name: Wafaa Ali Rajab

Nationality: Arabian Syrian

I Born in Latakia – Syria, /1978/.

I work (from 2003 till now) for the department of environmental prevention in the Higher Institute for Environmental Research, Tishreen University – Syria.

Languages: Arabic & English

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Specialized in Climate Ecology and Humans

Research fields: Plant ecology, plant biodiversity, forest fires, afforestation...

Certificates:

- Ph.D in Environment and Plant Taxonomy from the Faculty of Science, Tishreen University, Syria, 2014. The research is entitled “The impact of forest afforestation and climate change on plant biodiversity in the burned sites of Al-Kabir and Al-Maydan in the Latakia forests”.

- Master’s degree in Environment and Plant Taxonomy from the Faculty of Science, Tishreen University, Syria, 2009. The research is entitled “The influence of climatic and human factors on the distribution of some forest species in Latakia Governorate.”

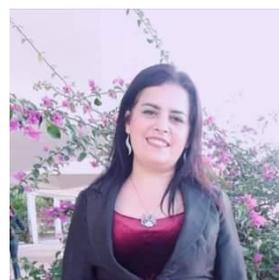
- Postgraduate diploma in Environment and Plant Taxonomy, Faculty of Science, Tishreen University, Syria, 2001.

- Bachelor’s degree in Natural Sciences, Biological Sciences Division, Faculty of Science, Tishreen University, Syria, 2000.

Teaching experiences

Teaching the plant ecology course (the practical part) to fourth-year students in the Department of Plant Biology, College of Science, Tishreen University, for the academic year 2012-2013.

Teaching the occupational health and safety course (the practical part) to first-year Master’s students at the Higher Institute for Environmental Research, Tishreen University, for four academic years from 2014- 2015 until 2017-2018.



Teaching the scientific research methods course (both practical and theoretical parts) to first-year Master's students at the Higher Institute for Environmental Research, Tishreen University, from 2014-2015 until now.

Teaching the Environmental Management and Sustainable Development course (theoretical) to first-year Master's students at the Higher Institute for Environmental Research, Tishreen University, for three academic years from 2014-2015 to 2016-2017.

Teaching the Marine Environment and Sustainable Management of Marine Resources course to first-year students - Master of Marine Biology Department at the Higher Institute for Marine Research for the academic year 2020-2021.

Teaching the Cleaner Production and Waste Reduction course (both the practical and theoretical parts) to first-year Master's students at the Higher Institute for Environmental Research, Tishreen University, for the academic year 2021-2022 until now.

Seminars, conferences, and published scientific articles:

Workshop on the development of agricultural production in the Syrian coast, Faculty of Agriculture, Tishreen University, 2013.

Study of the impact of afforestation on plant biodiversity in the site of the burned forests of Al-Kabir. Rabiaa Latakia, accepted for publication in the Journal of Tishreen University, Syria, 2013.

Study of the impact of afforestation on plant biodiversity in a burned forest (field site in the forests of Latakia, Syria), accepted for publication in the Journal of Aden University of Natural and Applied Sciences, Yemen, 2013.

Workshop for Environmental research at the Higher Institute for Environmental Research - Tishreen University 2016.

Workshop on the occasion of National Environment Day entitled "Towards integrated management of agricultural waste at the Higher Institute for Environmental Research - Tishreen University" 2017.

The conference of the World Environment Day entitled "Energy and Environment Strategies" at the Higher Institute for Environmental Research - Tishreen University 2018.

Workshop on the occasion of National Environment Day entitled "Control of Noise Pollution" at the Higher Institute for Environmental Research - Tishreen University 2018.

Workshop on the occasion of World Environment Day "Air Pollution Control" at the Higher Institute for Environmental Research - Tishreen University 2019.

Workshop on the occasion of National Environment Day “Environmental impacts resulting from forest fires on the Syrian coast” in cooperation with the Teachers Syndicate at Tishreen University in November 2019.

Modeling and simulation of the organic Rankine cycle as a system for recovering lost thermal energy in marine applications. Tishreen University Journal for Scientific Research and Studies, Engineering Sciences Series, Volume 42, Issue 3, 2020.

Study of the effect of fire on the plant biodiversity of the Khuraibat Al-Qalaa Forest (Jabal Al-Arbaeen) in Latakia Governorate (Syria). Syrian Journal of Agricultural Research, Volume 8, Issue 1, 2021.

World Environment Day Conference “Restoring Ecosystems” at the Higher Institute for Environmental Research - Tishreen University 2021.

Workshop on the Occasion of National Environment Day “Environmental Protection in the Oil and Gas Industry” at the Higher Institute for Environmental Research - Tishreen University 2021.

World Environment Day Conference “One Earth” Only” at the Higher Institute for Environmental Research - Tishreen University 2022.

The effect of environmental conditions and agricultural media on the phenolic and chlorophyll content in the fern *Asplenium Ceterach* L. . Tishreen University Journal, Biological Sciences Series, Volume 45, Issue 2, 249-265, 2023.

Study of street trees on 16 Tishreen Street in Latakia and a proposal to improve them virtually using Photoshop. Tishreen University Journal, Biological Sciences Series, Volume 45, Issue 3, 329-348, 2023.

Workshop on the occasion of National Environment Day “Transfer and localization of environmentally sound technologies” at the Higher Institute for Environmental Research - Tishreen University 2022.

World Environment Day conference “Natural Disaster Risks” at the Higher Institute for Environmental Research - Tishreen University 2023.

World Youth Day workshop “Green Skills” For Youth Toward a Sustainable World” at the Higher Institute for Environmental Research - Tishreen University, 2023.

Organizing the Children’s Environment Competition entitled “The Environment of My Village and My City is My Responsibility” at the Higher Institute for Environmental Research - Tishreen University, 2023.

National Environment Day Workshop entitled “Green Treatment of Wastewater” in Higher Institute for Environmental Research - Tishreen University, 2023.

Organizing a workshop entitled “Stimulating technology transfer and investing in project outcomes and applied research at Tishreen University” at the Technology Transfer Center at Tishreen University, 2023.

Skills and training courses:

Training course in Geographic Information Systems (GIS) and its applications, 2008.

Academic work skills, Directorate of Continuing Education, Tishreen University, 2014.

Directorate of Continuing Education, Tishreen University, 2014. Net Support School.

Experience working on the ICDL computer.

Supervision of master’s and doctoral theses.

Co-supervisor of Student Kamel Ghadeer, “studying the effect of fire on plant biodiversity in the forests of the Mahalaba region of Latakia”.

Supervisor of student Wardshan Salman’s thesis, “Modeling and Simulation of the Organic Rankine Cycle to Recover Lost Thermal Energy in Marine Applications” by Resolution No. 2657 dated 5/21/2019.

Supervisor of Student Ammar Safatli, “The role of the vegetative barrier in protecting surface water sources from the elements of nutrient enrichment,” by Resolution 2976, dated 5/25/2019.

Supervisor of the student Reem Ali’s thesis, “Plant biodiversity in some perennial forest clusters in the Jableh region - Latakia,” by Resolution 3327. Date 7/24/2019.

Supervisor of student Amna Sufi’s thesis, “Determining traces of some heavy metal elements in types of seaweed on the beach of the city of Latakia” by Resolution 67, date 9/19/2019.

Supervisor of student Rasha Tarraf’s thesis, “Response Study.” The wild plant *Asplenium ceterach* for laboratory propagation” by Resolution 1767 dated 5/5/2020.

Co-supervisor of the student Salar Idris’s thesis “A planning study to improve the condition of urban forests on 16 Tishreen Street in the city of Latakia” by Resolution 2241 dated 6/1/2021.

Supervisor of Student Daniel Hossam El-Din’s dissertation “Study of the role of the vegetative barrier in reducing dissolved organic matter near water bodies” by Resolution 3155 dated 8/3/2021.

Supervisor of student Rana Saleh's dissertation "Study of the effect of some environmental factors on the morphological characteristics and components of the essential oil of the Teucrium plant polium L. in some locations in Latakia Governorate" by Resolution 3156 dated 8/3/2021.

Supervisor of the student Maysa Daoud's thesis, "A study of the distribution and importance of wild plants used in rural life in the Qardaha region - Latakia" 2022.

Supervisor of the student Rima Sheikh's thesis. "Study of the reality of vegetation at the Ras Shamra archaeological site in the city of Latakia, Syria" 2023.

Other administrative and scientific work.

Head of the scientific research purchasing committee at the Higher Institute for Environmental Research from February 2015 until March 2016.

Head of the teacher's union unit at the Higher Institute for Environmental Research from January 2018 until now.

Member of the Quality Assurance Unit Committee at the Higher Institute for Environmental Research from 10/3/2017 for three consecutive years.

Permanent participation in the internal audit committees for master's and doctoral theses at the Higher Institute for Environmental Research.

Head of the website and data automation committee of the Higher Institute for Environmental Research for four consecutive years 2018-2021.

Head of the organizational committees and coordinator of all conferences, workshops and scientific seminars held at the Higher Institute for Environmental Research from 2017 until now.

Member of the committee for preparing the scientific, laboratory, and teaching cadres and supplies necessary to open a Master's degree in qualification and specialization in the field of "Occupational Health and Safety" in the Department of Environmental Protection at the Higher Institute for Environmental Research 2023.

Member of the editorial board of the journal "Progress in Environmental Sciences: Within the Scientific Steps Group for Academic Publishing, which is published in English." English based in the United Arab Emirates 2023.

Dr. Wafaa Rajab

Lattakia 10/1/2024