

CURRICULUM VITAE

Dr. Mohamed Abd El-Raouf Mousa El-Sheikh

I-PERSONAL DATA:

Name : Mohamed Abd El-Raouf Mousa El-Sheikh

Date of Birth : 10- 11 - 1960.

Locality : El-Korama, El-Santa; Tanta, Egypt.

Nationality : Egyptian.

Social state : Married with 3 children.



CONTACT DATA:

Present Address: Botany & Microbiology Department; College of Science; King Saud University; P.O. Box 2455; Riyadh 11451; Saudi Arabia. Mobile: 00966590539243; Fax: 00966114675833

Home Address:

33 Mohamed Fareid with Reyad Street, El-Eman Building, Floor 6, Flat no.14, Tanta, El-Gharbiyya Governorate, Egypt.

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Business Address: Damanhour University; Faculty of Science; Botany Department, Damanhour; EGYPT; **Official Tel.:** 0020453293011; **Telefax:** 0020453293011

E-mail: el_sheikh_eg@yahoo.co.uk or melsheikh@ksu.edu.sa

II-ACADEMIC HISTORY:

1983: B. Sc. Degree (Botany), with very good, Botany Department, Faculty of Science, Tanta University.

1989: M.Sc. Degree in Botany (Plant Ecology), Botany Department, Faculty of Science, Tanta University.

1996: PhD. Degree in Botany (Plant Ecology), Botany Department, Faculty of Science, Tanta University.

2004: Post-Doc: Botanic Garden, Department of Environmental Biology, Sapienza University of Rome, Largo Cristina di Svezia 24. Rome, ITALY

III-ACKADEMIC EMPLOYMENT HISTORY:

a- Arab countries:

1992-1999: Assistant lecturer in Biological Science Department (Botany), Faculty of Science, Kuwait University, Kuwait.

2003-2007: Assistant Professor of Botany, Science Department, **College of Education, Sohar & Salalah, Sultanate of Oman.**

2010-2019: Associate Professor, Botany and Microbiology Department, College of Science, **Saud University, Riyadh, Saudi Arabia.**

2019-till now: Professor, Botany and Microbiology Department, College of Science, **Saud University, Riyadh, Saudi Arabia.**

b- EGYPT:

1999-2004: Lecturer (i.e. Assistant Professor), Botany and Microbiology Department, Faculty University, **Al-Azhar University (Assuit), Assuit, Egypt.**

2004-2008: Assistant Professor (i.e. Associate Professor), Botany and Microbiology Department, Faculty of Science, **Al-Azhar University (Assuit), Assuit, Egypt.**

2008-2010: Assistant Professor (i.e. Associate Professor), Botany Department, Faculty of Science, **Alexandria University (Damanhour Branch), Damanhour, Egypt.**

2009-2010: Head of Botany Department, Faculty of Science, **Alexandria University (Damanhour Branch), Damanhour, Egypt. (2012 University name changed into: Damanhour University).**

2010-2013: Assistant Professor (i.e. Associate Professor), Botany Department, Faculty of Science, **Damanhour University (Damanhour Branch), Damanhour, Egypt.**

2013-till now: Professor, Botany Department, Faculty of Science, **Damanhour University, Egypt.**

IV-LANGUAGES:

Arabic (mother tongue) and **English** (very good)

V-PROJECTS:

- **(1990-1992):** worked as a researcher in 'Environmental development of Mediterranean Desert Ecosystems of Northern Egypt', directed by Alexandria University and funded by **Deutsche Gesellschaft fur Technische Zusammenarbitit (GTZ).**
- **(Since 1999):** worked as a researcher in project of **(SO 077)** 'Vegetation and Soil analysis of Failaka Island (Kuwait)', supporting by **Kuwait University.**
- **(2000-2003):** worked as a **researcher** in project for 'The Conservation of Wetland and Coastal Ecosystems in the Mediterranean Region (MedWetCoast) "**RAMSAR**"', directed by Environmental Ministry of Egypt (Omayed biosphere Reserve, Burullus Lake) and Gaza.

- **(2010-2013):** worked as a **consultant:** Conservation and valuation of plant diversity of potential economic value in mountain ecosystems, Kingdom of Saudi Arabia. **10-ENV 1276** Funded by NSTIP program of KACST, Riyadh, Saudi Arabia.
- **(2012-2015):** worked as a **Co PI.: Saudi Vegetation Database of the Central Region: A Vital Tool for Sustainable Management of Natural Resources. 11-ENV 1745-02** Funded by NSTIP Program of KACST, Riyadh, Saudi Arabia.
- **(2012-2015):** worked a **Co PI.:** Computer-Aided Plant Identification Package for the Flora of Middle Region, Saudi Arabia. **11-ENV 1753-02** Funded by NSTIP program of KACST, Riyadh, Saudi Arabia.
- **(2012-2016):** working as a **Co PI.:** Conservation and Utilization of Mangrove Ecosystem in Saudi Arabia: From Knowledge to Development. **11-ENV 1756-02** Funded by NSTIP program of KACST, Riyadh, Saudi Arabia.
- **(2015-):** working as a Co PI.: Documentation and Conservation of Traditional and Indigenous Ethnobotanical Knowledge of Central Region of Saudi Arabia (Accepted but not working).

Research groups:

- (Nov., 2015-Oct., 2016). Scientific Research Group (RG-1437-002) entitled “Flora-floristic and pharmacological approach”, funded by Deanship of Scientific Research, King Saud University, Riyadh. Saudi Arabia (Team: 1-Jacob T. Pandalil; 2-Mohamed A. Elsheikh; Raja Kreshnan and 4-Ravishankar R.).
- (Dec., 2017-till now) Scientific Research Group (RGP No. 1438-053) entitled (Plant conservation, ecotoxicology and environmental safety), funded by Deanship of Scientific Research, King Saud University, Riyadh. Saudi Arabia.
- 15-June 2020: Researcher Supporting project (rsp-2020/182). Funded by the Distinguished Scientist Fellowship Program (DSFP) from King Saud University, Riyadh, Saudi Arabia.

VI-TECHNICAL EXPERIENCE:

- **1986 - till now:** Identification of plant specimens of FLORA of Egypt, Kuwait, Palestine, Sultanate of Oman and Saudi Arabia.
- **1986- till now: Teaching courses** of general Botany, Biology, Plant Ecology, Taxonomy and Flora of **Egypt, Kuwait, Oman and Saudi Arabia.**
- **1986- till now:** Computer programs and Analytical Equipments.

- **1986- till now:** Expert in preparing of Herbaria in Egypt, Kuwait Sultanate of Oman and Saudi Arabia.

VII-ACADEMIC ACCREDITATION:

- **(2016-untill now):** COORDINATION of Botany Program for Academic Accreditation in Botany & Microbiology Department, College of Science, King Saud University.
- **2011-2016:** Chairman of Committee of Community Services, College of Science, King Saud University.

VIII-Administration Activity:

- **2011-till now:** Council Secretary of Botany & Microbiology Dept., College of Science, King Saud University.
- **2012-till now:** Director of the Environmental Club of Botany & Microbiology Dept., College of Science, King Saud University.

IX-WORKSHOPS & TRAINING:

- **2006:** Completed the course: "The use of Ellenberge Zeigerwerte (indication values) in Phytosociology data" 15th Workshop "European Vegetation Survey" Catania, Sicily, ITALY, **24-26 March 2006.**
- **2008:** Completed the course: " *Analysis of Phytosociological Data Using the JUICE Program*". The course was organized in association with the 17th International Workshop "European Vegetation Survey" of the International Association for Vegetation Science. MSARYK University, Brno, Czech Republic **(28 Aprile-7 May 2008).**
- **2008:** Trainer of the Workshop on "The Construction of Vegetation Data Bank, Analysis and Classification of Ecological Data Using TURBOVEG Software". (25-26 November 2008), Tanta University, Faculty of Science, Botany Department.
- **2011:** Programm and Course Specification. Deanship of Skills Development Certifies, King Saud University.
- **2012:** Training on "The Construction of Vegetation Saudi Data Base, Analysis and Classification of Ecological Data Using TURBOVEG Software". (14 June- 3 July 2012), Altera Green World Institute, Wageningen University, Wageningen, Netherlands.
- **2014:** Training on "The Construction of Vegetation Saudi Data Base, Analysis and Classification of Ecological Data Using TURBOVEG Software". (19 June- 27 June 2014), Altera Green World Institute, Wageningen University, Wageningen, Netherlands.

- **2014:**Trainer of the Ecoinformatics Workshop "The Construction of Vegetation Data Bank, Analysis and Classification of Ecological Data Using TURBOVEG Software". (2014), King Saud University, Faculty of Science, Botany & Microbiology Department (24-26 November 2014).
- **2018-2019-2022 March:** Training on the modern equipments analysis of soil, plant and water, at the Institute of Environmental Assessment and Water Studies IDAEA-CSIC (Barcelona, Spain)

X-COMPUTER USE:

All Microsoft office programs; Statistical analysis (**SAS and SPSS**); Graphics programs (**Sigma plot**) and **Multivariate analysis** programs (**DECORANA, TWINSpan, CAP, JUICE, CANOCO and Divers**).

XI-CURRENT SPECIALIZATION:

Plant diversity, Floristic analysis, Vegetation analysis, Vegetation Data Base, Population ecology, Plant succession, Phytoremediation; Conservation of the vegetation in Kuwait, Gaza, Oman, Egyptian Mediterranean coast, and Nile Delta and Saudi Arabia.

XII-COMMUNITY SERVICES:

1. Chairman of Committee of Community Services, College of Science, King Saud University **2011-2016**.
2. Chairman of Environmental Club, College of Science, King Saud University **2012-till now**.

XIII-ORGANIZATION MEMBERSHIPS:

- International Association of Vegetation Science (IAVS), SWEDEN.
- European Dry Grassland Group (EDGG).
- Saudi Arabia Society for Biological Science (SBS), Saudi Arabia and in Saudi Journal of Biological Sciences Editorial Board.
- Egyptian Botanical Society (EBS), EGYPT.

XIV-TEACHING EXPERIENCE FOR (UNDER AND POST GRADUATES) STUDENTS:

No.	Course title	No.	Course title
1	Structure & Function of Ecosystems	14	Ecological Factors
2	Egypt, Kuwait and Oman Flora	15	Advanced Plant Taxonomy.
3	Phytogeography	16	Plant Taxonomy
4	Vegetation Ecology	17	Soil Science
5	Phytosociology	18	Population Ecology
6	Biodiversity	19	Environmental pollution
7	Desertification	20	Phytogeography
8	Biostatistics	21	Production of the arid environments
9	Medicinal Plants	22	Seed ecology
10	Biotechnology	23	Economic Botany
11	Genetic Engineering	24	Genetic science
12	General Botany	25	Ecosystem
13	General Microbiology	26	Plant Communities

XV-SUPERVISOR:

a-Completed Thesis

- 1. El-Negali, K. (2011).** Molecular diversity and chemoecology of *Haplophyllum tuberculatum* (Forssk.) A. Juss. Rutaceae in the Western Mediterranean coastal desert of Egypt. **M.Sc. Thesis**, Botany Department, Faculty of Science, Alexandria University. Egypt.
- 2. Alqahtany, H., G. (2011).** An Autecological Studies on some species of *Zygophyllum* in Central Region, Saudi Arabia. **M.Sc. Thesis**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia.
- 3. Almereikhei, F. A. (2012).** Vegetation Analysis of in the Wadi Almishqar In Majmaah, Saudi, Arabia. **M.Sc. Project, Environmental Program**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia.
- 4. Hofland, N. (2013).** The vegetation diversity of the West-North transect of desert mountains, Saudi Arabia: a phytosociological approach. **M.Sc. Thesis, Institute for Water and Wetland Research (IWW), Radboud University Nijmegen, Netherlands.**

5. **Alamry, H. (2013).** Vegetation Ecology of Saudi Islands in Arabian Gulf. **Ph.D. Thesis**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia.
6. **Al-Harsei, A. (2013).** Plant Succession of Muzahmeia Sand dune, Saudi Arabia. **M.Sc. Project, Environmental Program**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia.
7. **Al-Sayalei, F. (2013).** Vegetation Analysis of Rudral Habitats in Al-Kharj Region, Saudi Arabia. **M.Sc. Project, Environmental Program**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia.
8. **Al-Otabei, N., M. (2013).** Vegetation Analysis of the Jibalah In Dawadmi of Saudi Arabia. **M.Sc. Project, Environmental Program**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia.
9. **Al-Nusary, G. S. (2014).** Autecology of *Artemisia monosperma* in Saudi Arabia. **Ph.D. Thesis**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia.
10. **Alsowayed, M.A. (2014).** Variation of woody plant population dynamics and vegetation of protected Alghat wadi of Najd area, Saudi Arabia. **M.Sc. Project, Environmental Program**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia.
11. **Al-Asmary, W. A. (2015).** Population Dynamics of *Acacia* spp. And Vegetation Composition in the Ibex Reserve Protected Area, Najd Region' Kingdom of Saudi Arabia. **M.Sc. Thesis, Biodiversity Program**, Faculty of Science, King Saud University, Saudi Arabia.
12. **Al-Khulafei, A. A. (2015).** Vegetation Ecology of Weeds in Arable lands of Qasseum , Saudi Arabia. **Ph.D. Thesis**, in Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia.
13. **Al-Harsei, A. (2015).** Ecological Assessment of Spatio –Temporal Changes of Vegetation diversity by digital analysis of Remote Sensing in the Northern – Western Coast of Saudi Arabia. **Ph.D. Thesis**, in Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia.
14. **Al-Otabei, S. A. (2015).** Vegetation and Soil carbon Sequestration of Wadi Althulima in Alkharj region, kingdom Saudi Arabia. **M.Sc. Project, Environmental Program**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia.
15. **Al-Zahrani, M. (2015).** Effect of Rejected Brine and Sewage Water on The Plant Diversity of Salbukh Station, Saudi Arabia. **M.Sc. Project, Environmental Program**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia.

- 16. Alqahtani, S. M. (2016).** Vegetation and Phytoremediation of wastewater by some Plants in Alasfar Ecology Lake at Al-Hasa in Kingdom of Saudi Arabia. **Ph.D. Thesis, Botany & Microbiology Department**, Faculty of Science, King Saud University, Saudi Arabia.
- 17. Alkeranees, A.A. (2016).** Biological activities of *Artemisia seiberi* growing in Kingdom of Saudi Arabia. **M.Sc. Project, Environmental Program**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia.
- 18. Almahdy, F.M. (2016).** Ruderal Habitats and Plant communities of the Uohod Mountain region of Madinah, Saudi Arabia. **M.Sc. Project, Environmental Program**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia.
- 19. Alamer, F.H. (2016).** Vegetation Ecology of Gabal Alnour in Makkah, Saudi Arabia. **M.Sc. Project, Environmental Program**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia.
- 20. Almekebel, O.A. (2016).** Vegetation Ecology and Plant Diversity of Wadi Hunayn in Makkah, Saudi Arabia. **M.Sc. Project, Environmental Program**, Faculty of Science, King Saud University, Saudi Arabia.
- 21. Alamro, A. (2017).** Diversity and Nutritional Value of Some Range Plant Species in the Inland Wetlands, Najd region of Saudi Arabia. **Ph.D. Thesis, Botany & Microbiology Department**, Faculty of Science, King Saud University, Saudi Arabia.
- 22. Almfegry, M. M. (2017).** Population dynamics of *Haloxylon persicum* at managed area of Unaizah, Saudi Arabia. **M.Sc. Project, Environmental Program**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia.
- 23. Alsalem, A. A (2017).** Floristic structure and vegetation diversity of protected wadi Othylan, Saudi Arabia. **M.Sc. Project, Environmental Program**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia.
- 24. Alshehry, M.A. (2018).** Autecology of two wild endangered species of *Prunus* L Rosaceae population in Kingdom of Saudi Arabia. **Ph.D. Thesis**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia.
- 25-Al-Shamary, F.H. (2016).** Habitat and Vegetation Diversity of Wadi Nissah Riyadh province Saudi Arabia. **M.Sc.. Thesis, Biodiversity Program**, Faculty of Science, King Saud University, Saudi Arabia.

- 26-Al-Harbi, R.S. (2019).** Population ecology of *Rhanterium epapposum* Oliv. in some protected areas of Najd region Saudi Arabia. **M.Sc. Thesis, Botany & Microbiology Department,** Faculty of Science, King Saud University, Saudi Arabia.
- 27-Al-Otabi, S.M. (2019).** Accumulation and Adsorption of Heavy Metals by Common Reed (*Phragmites australis*) Isolated from Central Saudi Arabia. **PhD. Thesis, Botany & Microbiology Department,** Faculty of Science, King Saud University, Saudi Arabia.
- 28-Al-Ghamdi, S.M. (2019).** Floristic diversity and vegetation composition of Badr at Madinah Monawarah region, Saudi Arabia. **M.Sc. Thesis, Biodiversity Program, Faculty of Science, King Saud University, Saudi Arabia.**
- 29-Al-Ofy, R.S. (2019).** Wadi Al-Aqiq Ecosystem in Saudi Arabia: plant communities Diversity in Relation to Environmental Factors. **M.Sc. Thesis, Botany & Microbiology Department,** Faculty of Science, King Saud University, Saudi Arabia.
- 30-Al-Ghamdi, A. A. (2019).** Vegetation analysis of Neis Mountain, Albaha, Saudi Arabia. **M.Sc. Project, Biodiversity Program, Faculty of Science, King Saud University, Saudi Arabia.**
- 31-Al-Harthy, S.T. (2020).** Impact of alien plants on the plant diversity and composition of plant communities in Western region, Saudi Arabia. **Ph.D. Thesis, Botany & Microbiology Department,** Faculty of Science, King Saud University, Saudi Arabia.
- 32-Alsharani, H.O. (2020).** Evaluation of ecological pollution of pesticides, pharmaceutical remains and microplastic in Al-Ahsa Lakes, Saudi Arabia. **Ph.D. Thesis, Botany & Microbiology Department,** Faculty of Science, King Saud University, Saudi Arabia.
- 33-Al-Qahtani, A. M. (2020).** Vegetation diversity of Alfigra region of Madina, Saudi Arabia **Ph.D. Thesis, Botany & Microbiology Department,** Faculty of Science, King Saud University, Saudi Arabia.
- 34-Almonqezy, M.B. (2022).** Impacts of Dams on The Plant Diversity, Vegetation Structure and Soil in the Kingdom of Saudi Arabia. **Ph.D. Thesis, Botany & Microbiology Department,** Faculty of Science, King Saud University, Saudi Arabia. 1437-1438-2
- 35- Alqueez M.S (2022).** Assessment of emerging contaminants and microplastics in Mangrove ecosystem at the industry Yanbu city, Saudi Arabia. **Ph.D. Thesis, Botany & Microbiology Department,** Faculty of Science, King Saud University, Saudi Arabia. 1440-1441-1
- 36-Al-Sharehk, A. (2022).** Allelopathic Effects of Some Plants on Weeds Germination and phytopathogens, Saudi Arabia. **Ph.D. Thesis, Botany & Microbiology Department,** Faculty of Science, King Saud University, Saudi Arabia. 1440-1441-2

- 37-Alhumaeid, U. (2020).** Ecology of *Maerua crassifolia* Forssk. the Threatened Plant in Najd Region, Saudi Arabia. **M.Sc. Thesis**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia. 1440-1441-2
- 38- Aldosary, N.D. (2021).** Plant Diversity and Vegetation Ecology of Majame ALHadb Reserve in Wadi AlDawaser, Saudi Arabia. **Ph.D. Thesis**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia.1441-1442-2
- 39- Almeqren, Z.S. (2021).** Environmental Pollution Effects on Growth of *Avicennia marina* at the Arabian Gulf Coast Saudi Arabia. **Ph.D. Thesis**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia. 1442-1443-1.
- 40-Alhamad, M.A. (2021).** Vegetation Dynamics and Succession on Inland Sand Dunes of Najd, Saudi Arabia. **M.Sc. Thesis**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia. 1441-1442-2

b- On going Thesis

- 1- Alomary, S.S (2021).** Vegetation Ecology, Size Structure, and Assessment of Economic Value for Some Wild Plants in Shada Mountain South-Western Saudi Arabia. **M.Sc. Thesis**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia. 1441-1442-2
- 2-Alqhatani, L, N. (2021).** Assessment of Pharmaceuticals and Personal Beauty Care Residuals in Wastewater, Some Plant and Soil in Riyadh Region, Saudi Arabia. **M.Sc. Thesis**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia. 1441-1442-2
- 3-Aloteibi, B, M. (2021).** Assessment of Microplastic in Treated Wastewater in Some Plant, and Soil in the Riyadh Region of Saudi Arabia. **M.Sc. Thesis**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia. 1441-1442-2
- 4- Alsaqqaf, W. (2022).** Plant Community Composition, Diversity and Assessment of Economic Plant Value in Sharaan Nature Reserve, Saudi Arabia. **Ph.D. Thesis**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia. 1443-2.
- 5-Alenazi, F.T. (2022).** Vegetation Ecology and Carbon Sequestration in *Acacia* Plants of Wadi Hurimlah, Kingdom of Saudi Arabia. **M.Sc. Thesis**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia 1443-2

- 6-Alsubaei, H.M. (2022).** Vegetation Analysis and Carbon Storage of Tree and Shrubs in Habitats of Holly Makkah District, Saudi Arabia. **Ph.D. Thesis**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia. 1444-1.
- 7-Alhafy, R.A. (2022).** Ecology of *Artemisia sieberi* Basser and micropropagation by tissue culture technique, Saudi Arabia. **MSc. Thesis**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia. 1444-1.
- 8-Alrabeiah, H. (2023).** Vegetation analysis and Carbon Sequestration of Some Sabkhas in Central and Eastern region of Saudi Arabia. **Ph.D. Thesis**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia. 1444-2.
- 9-Alnuwaeiser, K. A. (2023).** Ecological Characteristics, In Vitro Regeneration, Genetic Stability and Biochemical Assessment of *Artemisia monosperma* Del. **Ph.D. Thesis**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia. 1444-2.
- 10-Alqahtani, F.B. (2023).** Vegetation Ecology and Plant Diversity of Wadi Al-Uqaimy in Riyadh Region, Saudi Arabia. **MSc. Thesis**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia. 1444-3.
- 11-Alshelawy, M.F. (2023).** Evaluation of Allelopathic Activity of *Moringa peregrina* and *Ziziphus nummularia* on Some Weeds, Saudi Arabia. **Ph.D. Thesis**, Botany & Microbiology Department, Faculty of Science, King Saud University, Saudi Arabia. 1444-3.

XVI-REVIEWER: BOOKS, JOURNALS, THESIS, PROJECTS AND PROMOTION:

- **Journals:** Reviewer: for International Journals (e.g. Journal of Arid Environments, Weed Research, Plant Ecology, Applied Vegetation Science, Herbs Ecology, Environment Assessment, Ecological Engineering, African Journal of Ecology, African Agriculture, Egyptian J. of aquatic research, Egyptian J. of Botany, Feddes Reportorium, International J. of Biodiversity & conservation, Journ of Agri-Sci-&Technology-Islamic Iran, Land Degradation & Development, medicinal journal, Rendiconti J., Science Total Environment J. and Academic press Journals, etc.).
- **Books:** Al-Qurany, et al. (2011). Plant Physiological Stress Practical. Botany Department, Faculty of Science, King Saud University.

- **Research Projects (2010-till now)**: reviewers of many projects in many Saudi Universities (e.g. King Saud University, Taif University, Umm Alqura University, Baha University), Kingdom of Saudi Arabia.
- **M.Sc. Thesis**: **External examiner for Master and Ph.D students in many universities.** (Botany Department, Faculty of Science, Egypt, Saudi Arabia Universities and Biological Science Department, Faculty of Science, Kuwait University).
- **Ph.D.Thesis**: Kingdom of Saudi Arabia. Botany Dept., Faculty of Science, and other Saudi Universities.
- **Research Proposals**: **Reviewer of many Ph.D. and M.Sc. research proposals**: Botany Department, Faculty of Science, King Saud University
- **Promotion of Professors**:
 - Promotion of Professor in Plant Ecology (2016). Dr. Abdo Dahmash, Botany Dept., College of Science, Sanaā University, Yemen.
 - Promotion of Professor in Plant Ecology (2019). Dr. Alansary, Biological Dept., College of Science, Tabuk University, Tabuk, Saudi Arabia.
 - Promotion of Professor in Plant Ecology (2019). Dr. Alzendy Abdulramnan, Biological Dept., College of Science, Baha University, Baha, Saudi Arabia.

XVII-CONGRESSES, CONFERENCES, SYMPOSIA, WORKSHOPS AND MEETING ATTENDED:

1. International Conference on Plant Growth, Drought and Salinity in the Arab Region. **Giza, Egypt**, 3-7 December **1988**.
2. The International Conference on Desert Development in the Arab Gulf Countries. **State of Kuwait, KSIR** 23-26 March **1996**.
3. The First International Conference on Biological Science. Faculty of Science, Tanta University, **Tanta, Egypt**, 7-8 May **2000**.
4. The International Conference for Development and the Environment in the Arab World. Assuit University, **Assuit, Egypt**, 26-28 March **2002**.
5. The Second International Conference on Biological Science. Faculty of Science, Tanta University, **Tanta, Egypt**, 27-28 April **2002**.

6. VIII International Congress of Ecology: Ecology in a Changing World. **Korea, Seoul**, 11-18 August **2002**.
7. The first Egyptian-International conference on Protected Areas and Sustainable Development. **Sharm El-Sheikh, Egypt**, 23-26 October **2002**.
8. The Fifth International Science Conference on Science, Development & Environment. Faculty of Science, Al-Azhar University, **Cairo, Egypt**, 25-27 March, **2003**.
9. Forty Six IAVS on Water Resources and Vegetation. **Napoli, Italy**, 8-14 June **2003**.
10. The Third International Conference on Biological Science. Faculty of Science, Tanta University, **Tanta, Egypt**, 28-29 April **2004**.
11. The 2nd Seminar on the Role of the Education Faculties of Service the Omani Communities, Sohar College, **Sultanate of Oman, Sohar**, 4-5 May **2004**.
12. Conference of the Scientific Research and its Role in the Desertification and Fixed Sand Dunes, Sultan Qaboos University, Faculty of Art & Social Science, **Sultanate of Oman, Muscat** 2-4 April **2005**.
13. The 3rd Seminar on the Role of the Education Faculties in Scientific Researches in Oman, Rustaq College, **Sultanate of Oman, Rustaq** 5-6 May **2005**.
14. Forty eighty IAVS "Marginal landscapes and nutrient poor ecosystems-processes and adaptation". **Lisbon, Portugal**, 24-29 July **2005**.
15. The Seminar on the Development & Environment in Oman, Salalah College, **Sultanate of Oman, Salalah**, 12-14 December **2005**.
16. European Vegetation Survey 15th Workshop "Vegetation in Agricultural Landscapes" **Catania, Sicily, ITALY**, 24-26 March **2006**. Paper title "**On weed flora of Dhofar area in south, part of Oman**".
17. 49th International Association of Vegetation Science **New-Zealand**: New home; New habitat; New Ideas? paper title **Analysis of plant communities and their species diversity in the arable land in Salalah, south of Oman** 2006.
18. European Vegetation Survey 16th Workshop of the I.A.V.S. working Group for the European Vegetation Survey "Change in Vegetation" **Rome, ITALY**, 22-26 March **2007**. Paper title "**Analysis of old forest growth from tree size structure variables in the wadi Gerziez, South of Oman**".

19. The Seminar on the Managements of the human resources for higher education development in the Gulf Countries in Oman, Salalah College, **Sultanate of Oman, Salalah**, 12-15 March **2007**.
20. International Workshop 17th "**European Vegetation Survey**" of the International Association for Vegetation Science "Using phytosociological data to address ecological questions". Paper title: **Remote sensing of plant communities of Failaka Island, Kuwait**". **MSARYK University, Brno, Czech Republic (28 Aprile-7 May 2008)**.
21. 51th Annual Symposium of the International Association for Vegetation Science, Stellenbosch, **Cape Town, South Africa**, September **7-11, 2008**. Paper Title "Vegetation ecology of phytogenic hillocks (nabkhas) in coastal habitats of Jal Az-Zor National Park, Kuwait".
22. Egyptian Botanical society Conference on "Bioremediation of Environmental Pollution". 22 December **2008**. **Tanta University, Faculty of Science, Botany Department**.
23. 52th Annual Symposium of the International Association for Vegetation Science, **Crete, Greece**, **30 May- 04 June 2009**. Paper Title "The vegetation analysis of Kuwait Islands, Kuwait".
24. Second DIVERSITAS Open Science Conference; DIVERSITAS OSC2, (Biodiversity and society: understanding connections, adapting to change). Paper Title "The Construction of the National Vegetation Survey Databank "EGYPT Vegetation Archive". **13 – 16 October 2009, Cape Town, South Africa**.
25. 25th Conference on Saudi Biological Society (SBS). Using of Nano technology in Biological Science. 13-15 May **2010, Al-Hasa, Saudi Arabia**.
26. The Sixth International Conference on Biological Science. Faculty of Science, Tanta University, **Tanta, Egypt**, 10-11Nov. **2010**.
27. International Workshop 20th "European Vegetation Survey" of the International Association for Vegetation Science A century of Phytosociology & 20 years of the new spirit in Phytosociology "Using phytosociological data to address ecological questions". **Rome, Italy, 6-9 April 2011**.
28. 26th Conference on Saudi Biological Society (SBS). Climatic Change and Biodiversity 10-12 May 2011, Al-Taif, Saudi Arabia.
29. Planet Under Pressure. New Knowledge Towards Solutions. Take place at **Excel London between the 26th and 29th March 2012, United Kingdom**.

30. 27th Conference on Saudi Biological Society (SBS). Economics of Environment and Natural Resources. As a chairman of session. **Jazan University, 06-08 March 2012, Gezan, Saudi Arabia.**
31. International Workshop 22th "European Vegetation Survey" of the International Association for Vegetation Science: "Coastal and Inland Saline Vegetation and Red List Evaluation of Plant Communities". **9-10 April 2013 University of Rome, Rome, Italy.**
32. 29th Conference on Saudi Biological Society (SBS). Environment and Development in Gulf Region. As a chairman of session. **Damam University, 06-08 February 2014, Damam, Saudi Arabia.**
33. The International Journal of Arts & Sciences (IJAS) conference for academic disciplines. Title paper 'Vegetation of Thumamah Nature Park: A Managed Arid Land Site In Saudi Arabia' Maryland Parkway, Las Vegas, Nevada 89154. from **17 to 20 March 2014 USA.**
34. Global Public Policy and Administration Symposium. Article title: Taxonomy, Distribution and Ecology of Two Newly Recorded Genera in Saudi Arabia" presentation at the **December 5-6, 2014 Los Anglos, USA**
35. 57th Annual Symposium of the International Association for Vegetation Science. Title of article: Vegetation database of Najd, Central Region of Saudi Arabia: an overview. **1-5 September 2014 Australia.**
36. 30th Conference on Saudi Biological Society (SBS). Economics of the Red Sea and their development. As a chairman of session. **Tabuk University, 07-09 April 2015, Tabuk, Saudi Arabia.**
37. 25th Workshop of the Working Group for the European Vegetation Survey at the Botanic Garden–Department of Environmental Biology, Sapienza University of Rome, Largo Cristina di Svezia 24. Present day coenology and the legacy of the past, Describing and evaluating European habitats: EUNIS, Natura 2000 and the Red List and the use of vegetation data for predictive modeling. **6- 9, 2016 April, Rome, Italy.**
38. 31th Conference on Saudi Biological Society (SBS). Human and Environmental Development in Vision 2030. **Um Alqura University, April 18–20, 2017, Makkah, Al-Mukarramah, Saudi Arabia.**
39. 1st International Conference on Semi-Arid mountain Environment: Environment & Sustainable Development. Title of Poster: Impacts of Dams on the Plant Diversity, Vegetation Structure

- and Soil in the Kingdom of Saudi Arabia. **Asir Region 17-19 September 2019. Abha, Saudi Arabia.**
40. 2nd International Conference on Risk assessment of Pharmaceutical in Environment. Title of Poster: Emerging contaminants in soil and plant treated with wastewater under real-world environmental conditions in the Al Hayer area, Saudi Arabia: Uptake, Accumulation and Health Risk Assessment. **Barcelona, 28-29 November 2019. Barcelona, Spain.**
41. 9th International Conference on Water Resources and Arid Environments, **29-31 March 2021, Riyadh, Saudi Arabia. Title:** The abundance, characteristics and risk of microplastics in surface water in urban artificial streams of Saudi Arabia. **29-31 March 2021, Riyadh, Saudi Arabia.**
42. The Environment and Biodiversity of the Red Sea Conference. University of **Tabuk** – Faculty of Science in cooperation with Saudi Biological Sciences, **Tabuk, Saudi Arabia. 31-March- ! April 2021. Title:** Role of Mangrove Rehabilitation and Protection Plans on Carbon Storage in Yanbu Industrial City, Saudi Arabia: A Case Study.
43. International Exhibition and Scientific Workshop on Afforestation Techniques Riyadh, Saudi Arabia **Riyadh, 29-31 May, 2022.** Lecture Title: Techniques for estimating the efficiency of plants in carbon fixation.
44. 18th Annual Workshop On Emerging High-Resolution Mass Spectrometry (HRMS) And LC-MS/MS Applications In Environmental Analysis And Food Safety, to be held in Barcelona on **10-11 October, 2022.** Emerging contaminants and Human Health Risk Assessment in urban regions, Saudi Arabia’
45. 10th International Conference on Water Resources and Arid Environments Riyadh, Saudi Arabia **Riyadh, 26-28 December, 2022.** Attendance.
46. The International Conference and Exhibition for Science, College of Science, King Saud University, Riyadh, Saudi Arabia **Riyadh, 6-8 February, 2023.** Workshop about Alien plant Species.

XVIII-PUBLICATIONS:

A-SCIENTIFIC ARTICLES:

1. **El-Sheikh, M. A.** (1989). A study of the vegetation-environmental relationships of the canal banks of Middle Delta region. **M.Sc. Thesis, Faculty of Science, Tanta University, Egypt.**

2. Shaltout, K. H., **El-Sheikh, M. A.** (1991). Gradient analysis of canal vegetation in Nile Delta region. **Feddes Repertorium** 102: 639-645.
3. Shaltout, K. H., **El-Sheikh, M. A.** (1993). Vegetation-environment relations along water courses in the Nile Delta region. **Journal of Vegetation Science** 4: 567-570.
4. Shaltout, K. H., Sharaf El-Din, A., **El-Sheikh, M. A.** (1994). Species richness and phonology of vegetation along irrigation canals and drains in the Nile Delta, Egypt. **Vegetatio** 112: 35-43.
5. **El-Sheikh, M. A.** (1996). Ruderal plant communities of the Nile Delta region. **Ph.D. Thesis, Faculty of Science, Tanta University. Egypt.**
6. Shaltout, K. H., El-Kady, H. F., **El-Sheikh, M. A.** (1999). Species diversity of the ruderal habitats in the Nile Delta. **Täeckholmia** 19: 203-225.
7. Abbadi, G., **El-Sheikh, M.A.** (2002). Vegetation analysis of Failaka island (Kuwait). **Journal of Arid Environments** 50: 153-165.
8. Shaltout, K. H., **El-Sheikh, M. A.** (2003). Vegetation of the urban habitats in the Nile Delta region, Egypt. **Urban Ecosystems** 6: 205-221.
9. **El-Sheikh, M. A.,** Mady, M. E, Shaltout , K. H. (2003). Vegetation analysis of the down-stream part of Wadi Gaza, Palestine. **Ecologia Mediterranea** 29(2): 139-151.
10. **El-Sheikh, M. A.,** Kamal S. (2003). Trends in the vegetation structure along an environmental gradient and human impact in Core area II of Omayed biosphere Reserve, Egypt. **Al-Azhar Bulletin of Science, Proc. of the 5th Int. Science. Conf. 25-27 March 2003, Faculty of Science, Al-Azhar Univ., Cairo, Egypt** 369-394.
11. **El-Sheikh, M. A.,** Abbadi, G. (2004). Biodiversity of plant communities in the Jal Az-Zor National Park, Kuwait. **Kuwait Journal of Science & Engineering** 31(1): 77-105.
12. Shaltout, K. H., El- Sodany, Y. M., **El-Sheikh, M. A.** (2004). *Phragmites australis* (Cav.) Trin ex Steud. in Lake Burullus, Egypt: is it an expanding or retreating population. **Proc. of the 3rd Inter. Conf. on Biological Science, 28-29 April 2004, Fac. of Sci., Tanta Univ., Tanta, Egypt** 3: 20-32.
13. **El-Sheikh, M. A.,** El-Halawany, E. F., Shaltout, K. H. (2004). Flora and vegetation of El-Qanatir Public Park at the head of Nile Delta, Egypt. **Mansoura Science Bulletin** 27 (2): 137-158.
14. **El-Sheikh, M. A.** (2005). Plant succession on abandoned fields after 25 years of shifting cultivation in Assuit, Egypt. **Journal of Arid Environments** 61(3): 461-481.
15. **El-Sheikh, M. A.** El-Ghareeb, R. M., Testi, A. (2006). Diversity of plant communities in coastal salt marshes habitat in Kuwait. **Rendiconti Fische Academic Lincei** 9 (17): 311-331.

16. **El-Sheikh, M. A.,** Abbadi, G., A., Bianco, P. (2010). Vegetation ecology of phytogenic hillocks (nabkhas) in coastal habitats of Jal Az-Zor National Park, Kuwait. **Flora** 205: 832-840.
17. **El-Sheikh, M. A. (2010).** Remote sensing of the vegetation of Failaka Island, Kuwait. **Proc. of the 6rd Inter. Conf. on Biological Science, Fac. of Sci., Tanta Univ., Tanta, Egypt** 6: 39-48.
18. Radford, E.A., Catullo, G., Montmollin, B. de. and **El-Sheikh, M. A. (eds.) (2011).** Important Plant Areas of the south and east Mediterranean region: priority sites for conservation. IUCN, Gland, Switzerland and Malaga, Spain. Gland, Switzerland and Malaga, Spain: IUCN. VIII + 108 pp.
19. Al-Yemni¹, N.M., Sher, H, **El-Sheikh, M. A.,** Eid, M. E. (2011). Bioaccumulation of nutrient and heavy metals by *Calotropis procera* and *Citrullus colocynthis* and their potential use as contamination indicators. **Scientific Research and Essays** 6(4): 966-976.
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21. Eid, E.M., **El-Sheikh, M. A.,** Alatar, A. A. (2012). Uptake of Ag, Co and Ni by the Organs of *Typha domingensis* (Pers.) Poir. ex Steud. in Lake Burullus and Their Potential Use as Contamination Indicators. **Open Journal of Modern Hydrology** 2: 21-27.
22. **El-Sheikh, M. A.,** Al-Sodany, Y. M. Eid, E.M., Shaltout, K.H (2012). Ten years primary succession on a newly created landfill at a lagoon of the Mediterranean Sea (Lake Burullus RAMSAR site), Egypt. **Flora** 207: 459 - 468.
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41. Al-Abbadi, G. A., **El-Sheikh, M. A. (2017)**. Vegetation ecology and diversity of six Kuwait Islands: factors influence on species composition and richness. **Rendiconti Fische Academic Lincei** 28:117–131
42. Thomas, J., **El-Sheikh, M. A.**, Alatar, A. A. **(2017)**. Endemic and endangered plant in the Shada Mountains, a biodiversity hotspot in Saudi Arabia. **Journal of Arid Lands** 9 (1): 109-121.
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44. Faisal, M., Alatar, A.A., Abdel-Salam, E.M., Canto, T., Saquib, Q., Javed S.B., **El-Sheikh, M.A.**, Al-Khedhairi, A.A. **(2017)**. Efficient and reproducible in vitro regeneration of *Solanum lycopersicum* and assessment genetic uniformity using flow cytometry and SPAR methods. **Saudi Journal of Biological Science** 24: 1430-1436.
45. Picó, Y., **El Sheikh M. A.**, Alfarhan, A., Barceló, D. **(2018)**. Target vs non-target analysis to determine pesticide residues in fruits from Saudi Arabia and influence in potential risk associated with exposure. **Food and Chemical Toxicology** 111: 53-63.
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48. Faisal, M., Alatar, A.A, **El-Sheikh, M.A.**, Abdel-Salama, E.M., Qahtan, A.A. (2018). Thidiazuron induced in vitro morphogenesis for sustainable supply of genetically true quality plantlets of Brahmi. **Industrial Crops & Products 118: 173-179**
49. AL-AMRO, A. M., **EL-SHEIKH, M. A.**, EL-SHEIKH, A. M. (2018). Vegetation analysis of some wetland habitats in central region of Saudi Arabia. **Applied Ecology and Environmental Research 16(3): 3255-3269.**
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XIX-HONORS AND AWARDS

- 1-Biographical Data in **WHO'S WHO** in Science and engineering in the world, 2010.
- 2-King Hamad Award, King of Bahrain, for Agricultural Development