



Curriculum Vitae

Prof. Monier M. Abd El-Ghani (D.Sc.)

Personal Information

First, Middle and Surnames

Work Address

Telephones

E-mails

Nationality

Place and Date of birth

Gender

Marital status

Work Experience

Dates

Occupation or position held

Main responsibilities

Name and address of employer

Dates

Occupation or position held

Main responsibilities

Name and address of employer

Dates

Occupation or position held

Main responsibilities

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Dates

Occupation or position held

Main responsibilities

Monier Mohamed Abd El-Ghani

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elghani@yahoo.com, mmabdelghnai@gmail.com

Egyptian

Cairo, 9.9.1955

Male

Married since 21 .7. 1988; 4 children

February 2016 - Sept 2016

Visiting Researcher

Completing a research project on the biodiversity of urban ecology and flora in the newly industrial cities in the desert landscape of Egypt.

Institute of Ecology and Biology, Technical University in Berlin, Germany

July 2010 - Sept 2010

Visiting Researcher

A research project on the biodiversity of urban ecology and flora in the newly industrial cities in the desert landscape of Egypt.

Institute of Ecology and Biology, Technical University in Berlin, Germany

July 2007 - Sept 2007

Visiting Researcher

Performing a research project in collaboration with the German host-professors on the phytogeography of Western Desert of Egypt

Institute of Ecology and Biology, Technical University in Berlin, Germany

July 2002 - September 2002

Visiting Researcher

Working in a research team carrying out in-depth quantitative assessment of the phytogeographical analysis of the flora of the Western Desert of Egypt

Institute of Ecology and Biology, Technical University in Berlin, Germany

November 2000 onwards

Professor of Flora - Independent Consultant

- Teaching undergraduate courses (Plant diversity)
- Teaching postgraduate courses (Vegetation dynamics, Biogeography)

<p>Name and address of employer</p>	<ul style="list-style-type: none"> - Organizing and running field trips for undergraduate students - Managing the Cairo University Herbarium - Supervising research work (M.Sc. and Ph.D. theses) - Initiating Cairo University Herbarium Database Project - Contributing to the steering group on developing plant taxonomy curricula <p>Faculty of Science, Cairo University, Giza 12613, Egypt</p>
<p>Dates Occupation or position held Main responsibilities</p>	<p>November 1994 - November 2000 Assistant Professor</p> <ul style="list-style-type: none"> - Contributing to the Cairo University Herbarium research work - Teaching postgraduates courses (Phytogeography) - Training of trainers in other universities <p>Faculty of Science, Cairo University, Giza 12613, Egypt</p>
<p>Dates Occupation or position held Main responsibilities Name and address of employer</p>	<p>March 1998 - April 1998 Associate Professor of Biological Sciences Teaching courses in Botany for undergraduate students Faculty of Agriculture, Al Fateh University (Tripoli), Libya</p>
<p>Dates Occupation or position held Main responsibilities Name and address of employer</p>	<p>January 1997 - December 1998 Visiting Researcher Research plan on the flora and vegetation of some Egyptian Oases Institute of Ecology and Biology, Technical University in Berlin, Germany</p>
<p>Dates Occupation or position held Main responsibilities Name and address of employer</p>	<p>September 1995 - September 1996 Associate Professor of Biological Sciences Teaching undergraduate courses in Biology College of Education, Salalah, Sultanate of Oman</p>
<p>Dates Occupation or position held Main responsibilities Name and address of employer</p>	<p>September 1988 - September 1994 Assistant Professor of Biology</p> <ul style="list-style-type: none"> - Teaching undergraduate courses of Biology (credit-Hours System) - Academic Guidance of Students - Organising and supervising field trips for students - Establishment of regional herbarium for the Flora of Makkah <p>College of Education, Makkah, Saudi Arabia</p>
<p>Dates Occupation or position held Main responsibilities Name and address of employer</p>	<p>July 1987 - Sept 1987 Researcher</p> <ul style="list-style-type: none"> - Preparation of the threatend plants list in the Flora of Egypt - Preparation of the Plant Red Data Book of Egypt (Part 1) <p>Threatened Plants Unit, The Royal Botanic Gardens, Kew, England</p>
<p>Dates Occupation or position held Main responsibilities Name and address of employer</p>	<p>November 1985 - November 1994 Lecturer of Plant Taxonomy and Flora</p> <ul style="list-style-type: none"> - Teaching undergraduate courses of Botany - Curator of Cairo University Herbarium <p>Faculty of Science, Cairo University, Giza 12613, Egypt</p>
<p>Dates Occupation or position held Main responsibilities Name and address of employer</p>	<p>Sept 1984 - Dec 1984 Scholarship awarded</p> <ul style="list-style-type: none"> - Confirming and checking nomenclature at the Herbarium - Typification of plant species from Faiyum region and other Oases <p>The Royal Botanic Gardens, Kew, England</p>

Dates	November 1981 - November 1985
Occupation or position held	Assistant Lecturer of Botany
Main responsibilities	<ul style="list-style-type: none"> - Teaching and guidance of undergraduate students - Research work
Name and address of employer	Faculty of Science, Cairo University, Giza 12613, Egypt
Dates	July 1980 - September 1980
Occupation or position held	Scholarship awarded
Main responsibilities	<ul style="list-style-type: none"> - Gathering all available information about the historical plant collections from the Egyptian Oases - Confirming and typifying the recorded species - Preparing the final plant list of the Bahariya Oasis
Name and address of employer	The Royal Botanic Gardens, Kew, England
Dates	October 1976 - November 1981
Occupation or position held	Demonstrator of Botany
Main responsibilities	Teaching and research
Name and address of employer	Faculty of Science, Cairo University, Giza 12613, Egypt
Education and Academic Degrees	
Date	April 2015
Title of qualification awarded	Doctor of Science degree (D.Sc.) in Flora and Taxonomy
Principal subjects	<ul style="list-style-type: none"> - Vegetation Analysis in Arid Environments - Floristic and Habitat Diversity - Plant Community Dynamics
Name of organization	Faculty of Science, Cairo University
Dates	1981 - 1985
Title of qualification awarded	Doctor of Philosophy (Ph.D.)
Major Fields of Study	Botany (Plant Taxonomy and Flora)
Title of Thesis	Comparative study on the vegetation of Bahariya nad Farafra Oases and the Faiyum region
Name of organization	Faculty of Science, Cairo University, Giza 12613, Egypt
Dates	1978 - 1981
Title of qualification awarded	Master of Science (M.Sc.)
Major Fields of Study	Botany (Plant Taxonomy and Flora)
Title of Thesis	Preliminary studies on the vegetation of Bahariya Oasis - Egypt
Name of organization	Faculty of Science, Cairo University, Giza 12613, Egypt
Dates	1972 - 1976
Title of qualification awarded	Bachelor of Science (B.Sc.)
Major Fields of Study	Botany
Graduate Degree	Very Good (B)
Name of organization	Faculty of Science, Cairo University, Giza 12613, Egypt
Fields of Research and Interests	
	<ul style="list-style-type: none"> - Biosystematics and Numerical Taxonomy - Community Ecology - Quantitative Phytogeography and Biogeography - Conservation and diversity of plant communities in arid environments - Syntaxonomy and diversity of alien (invasive) plant species in agro-ecosystems

Achievements

- Flora and vegetation in arid regions
- Environmental gradients of desert vegetation
- Urban flora and ecology

Courses Taught

- Publishing of the Plant Red Data Book of Egypt (Part 1.)
- Publishing of more than 30 scientific articles in peer-reviewed international journals, and others in local and regional Journals
- Pioneer floristic and biogeographical Investigations in the arid environments of the Egyptian Oases (Western Desert, Egypt), and in the Sinai Peninsula as well as in adjacent countries
- Plant species diversity in the Agro-Ecosystem of the Egyptian Oases, and the Nile Delta region
- Vegetation-environment relationships, phytogeography and habitat diversity in remote areas along the Mediterranean Coast (Libyan and Palestinian Frontiers), the Western Desert of Egypt and Gebel Elba Region (Sudanese Frontier)
- Taxonomic revisions of some Families in the Flora of Egypt
- Studies on Rare and Threatened Plant Species, and their Conservation Measures
- Bibliographic Study on the Taxonomy and Flora of Egypt During the Last Two Centuries
- Pioneer Study on the Flora and Vegetation in the Holy Places of Makkah, Saudi Arabia

The courses shown here are taught at university level (under and post-graduate) according to the credit-hour system of teaching during my appointment as a faculty member in both Cairo University and in the Junior College for Teachers in Makkah (Saudi Arabia).

Institution	Title of course	Language of instruction
<ul style="list-style-type: none"> - Faculty of Science, Cairo University - For biology, Pre-Pharmacy & Pre-Dental Medicine students 	<ul style="list-style-type: none"> - Plant Taxonomy - Flora - Plant Sociology - Plant Geography - Plant Morphology - Plant Anatomy - General Biology 	English
<ul style="list-style-type: none"> - Junior College for Teachers (Makkah) - Faculty of Education (Suez Canal Univ.) 	<ul style="list-style-type: none"> - General Biology - Systematic Botany - Economic Botany - General Microbiology - Applied Microbiology - Ecology and Flora of the Kingdom Saudi Arabia 	Arabic

Other courses for under and post-graduate levels:

- Modern and Numerical Taxonomy
- Plant Species Diversity
- Conservation Strategy of Protected Areas
- Medicinal Plants
- Desert Vegetation and Biology
- Biodiversity of the arid regions
- Biogeography

Fellowships and Scholarships

- **7.1980 - 9.1980; The Royal Botanic Gardens (Kew, UK)**, A Research grant awarded from SIDA Fund (Sweden) to complete my M.Sc. study at the Herbarium of the Royal Botanic Gardens (Kew, UK)
- **9.1984 - 12.1984; The Royal Botanic Gardens (Kew, UK)**, A Research grant awarded from Egyptian academy of Sciences and Technology to complete my Ph.D. study at the Herbarium of the Royal Botanic Gardens (Kew, UK)
- **7.1984 - 9.1987; The Royal Botanic Gardens (Kew, UK)**, A Research grant awarded from IUCN to the Threatened Plants Unit (TPU) of the Royal Botanic Gardens (Kew, UK) to complete data for the Plant Red Data Book of Egypt (Part 1)
- **1.1997 - 12.1998; A fellowship granted by the Alexander von Humboldt Foundation (Germany) at the Institute of Ecology and Biology (TU-Berlin)** to carry out research plan on the flora and vegetation of some Egyptian Oases
- **7.2002 - 9.2002; A research grant awarded from the Alexander von Humboldt Foundation (Germany) at the Institute of Ecology and Biology (TU-Berlin)** to carry out research plan on the phytogeography of the Oases of the Western Desert of Egypt
- **7.2007 - 9.2007; A research grant awarded from the Alexander von Humboldt Foundation (Germany) at the Institute of Ecology and Biology (TU-Berlin)** to continue working on the phytogeographical analysis of the Oases flora.
- **7.2010 - 9.2010; at the Institute of Ecology and Biology (TU-Berlin)** to complete a research project on the ecology and flora of new industrial cities in the desert landscape of Egypt.

Personal Skills and Competences

Mother tongue
Other languages
Self-assessment
European level
English
German

Arabic

Understanding		Speaking		Writing
Listening	Reading	Spoken	Listening	Reading
Excellent	Excellent	Very Good	Very Good	Excellent
Good	Good	Good	Good	Good

Social Skills and Competences

Work hardly and independently, co-operative, flexible, creative, self-motivated, good communication skills, accept the differences and capable of problem solving and decision-making

Technical Skills and Competences

Computer Skills and Competences

- Herbarium Management: Plant Specimens and Library
- Visual Herbarium Design
- Operating systems (Win 9x, 2000, XP)
- Basic knowledge of graphic design applications (Adobe Illustrator, Photoshop)
- Good command of Microsoft Office™ tools (Word, Excel, PowerPoint, Access)
- Network fundamentals
- Using different software for Statistical Analysis (SYSTAT, SPSS)

Organizational Skills and Competences

- Software packages for Multivariate Analysis (CEP, MVSP, CANOCO, PCORD, NTSYS, CAP)

Awards

- Leadership (currently responsible for a team of 10 people) as I am Director of the Cairo University Herbarium
- Good experience in project or team management

- **2015: Georg Forster Research Award**, The Alexander von Humboldt Foundation (Germany).
- **2015: Excellence State Prize in Basic Sciences**, The Egyptian Academy of Scientific Research and Technology, Egypt
- **1999: Encouragement State Prize in Biological Sciences**, The Egyptian Academy of Scientific Research and Technology, Egypt
- **2003: Encouragement University Prize in Biological Sciences** (Applied and Theoretical), Cairo University, Egypt
- **2008: Cairo University Prize for International Scientific Publishing.**
- **2009: Cairo University Prize for International Scientific Publishing.**
- **2010: Cairo University Prize for International Scientific Publishing.**
- **2011: Cairo University Prize for International Scientific Publishing.**

Conferences, Symposia and Workshops

- 1994: Biological Diversity in the Arab Countries (Egypt)
- 1995: Use and Conservation of Plant Genetic Resources (Egypt)
- 1995: Environment, Population and Sustainable Development (Egypt)
- 1997: 4th International Conference for alien Plants (Germany)
- 1999: 2nd Meeting of the Biology Consortium Project (UNESCO and Iowa State University (Egypt)
- 2001: Taxonomic Capacity Building and Biodiversity Conservation in the Arab Region (Egypt)
- 2004: 1st Conference on Strategy of the Egyptian Herbaria (Egypt)
- 2004: 11th Conference of the Union of Arab Biologists (Egypt)
- 2004: Capacity Building in Teaching Taxonomy and Flora in the Egyptian Universities (Egypt)
- 2005: 12th Conference of the Union of Arab Biologists (Yemen)
- 2006: 13th Conference of the Union of Arab Biologists (Egypt)
- 2007: 14th Conference of the Union of Arab Biologists (Egypt)
- 2013: Training workshop on plant imaging using HerbScan Techniques (UK).

Membership of Professional Organizations

- 1976 - Now: Egyptian Syndicate of Scientific Professions (ESSP; Egypt)
- 1981 - Now: Member of the Egyptian Society of Botany (Egypt)
- 1984 - Now: Fellow of the Linnean Society of London (UK)
- 1994 - Now: Member of the Union of Arab Biologists (Egypt)
- 1997 - Now: Fellow of the Alexander von Humboldt-Stiftung (Germany)
- 1997 - 2000: Member of the International Association of Ecology (France)
- 1997 - 1998: Member (Awarded) of the National Geographic Society (USA)

Editorial Services

- Member of the Editorial Board of Taekholmia
- Member of the Editorial Board of IDOSI Journals
- Refereed to the Journal of Arid Environment (UK)
- Refereed to the International Journal of Agriculture and Biology (Pakistan)
- Refereed to Qatar University Science Journal (Qatar)
- Refereed to the Bulletin of the Faculty of Science, Assiut University (Egypt), Bulletin of Al Azhar University (Egypt), Bulletin of the Desert

Scientific Projects

Between 2012 and 2015, a project of documentation and imaging the plant Type Specimens at Cairo University Herbarium (CAI), funded by The Andrew Mellon Foundation (USA) was granted. This is among the Global Plants Initiative to include Cairo University Herbarium among the documented herbaria.

References

Prof. Dr. Reinhard Bornkamm, Institute of Ecology and Biology, Technical University in Berlin, Rothenburgstr. 12, D-12165 Berlin-Steglitz, Germany. r.bornkamm@tu-berlin.de; r_bornkamm@web.de

Prof. Dr. Ingo Kowarik, Institute of Ecology and Biology, Technical University in Berlin, Rothenburgstr. 12, D-12165, Germany. kowarik@tu-berlin.de

Prof. Dr. Sven Snogerup, Lund Botanical Museum, Lund, Sweden. sven.snogerup@botmus.lu.se

Prof. Dr. Margareta Welander, Swedish University of Agricultural Sciences, Department of Plant Breeding and Biotechnology, margareta_welander@tjslu.se

Prof. Dr. Bengt Oxelman, Department of Plant and Environmental Sciences, Göteborg University, Box 461, SE-40530 Göteborg, Sweden, bengt.oxelman@dpes.gu.se

Prof. Dr. Gamal M. Fahmy, Botany Department, Cairo University, Giza. fahmy_2000eg@yahoo.com

Prof. Dr. Adel El- Gazzar, Department of Biological and Geological Sciences, Faculty of Education at El-Arish, Suez Canal University, N. Sinai., Egypt. elgazzar_adel@hotmail.com

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Prof. Dr. Mohamed Ajmal Khan, Institute of Sustainable Halophyte Utilization, P. O. Box 8452, University of Karachi, Karachi-75270, Pakistan, majmalk@uok.edu.pk; khanm74@yahoo.com