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**P E R S O N A L I N F O R M A T I O N**

PLACE AND DATE OF BIRTH: ALEXANDRIA, EGYPT, 30/8/1966

NATIONALITY: EGYPTIAN

MARITAL STATUS: MARRIED

NUMBER OF CHILDREN: TWO GIRLS AND TWO BOYS

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**E D U C A T I O N**

**Alexandria University, Alexandria, Egypt.** May 1988

B.Sc. in Botany (Excellent), Botany Department, Faculty of Science.

**Suez Canal University, Ismailia, Egypt.** September 1995

M.Sc. in Plant Ecology, Botany Department, Faculty of Science.

**Arizona State University, Tempe, AZ** 2000 - 2002

**GIS and Remote Sensing Courses:**

GIS I, ASU, TEMPE, AZ, FALL 2000.

GIS II, ASU, TEMPE, AZ, FALL 2001.

REMOTE SENSING, ASU, TEMPE, AZ, SPRING 2002.

**SUEZ CANAL UNIVERSITY, ISMAILIA, EGYPT**

**& ARIZONA STATE UNIVERSITY, TEMPE, AZ, USA**

**JULY 2003**

PH.D. IN ENVIRONMENTAL SCIENCE (PLANT AND SOIL ECOLOGY), THROUGH THE CHANNEL SYSTEM SCHOLARSHIP BETWEEN THE TWO UNIVERSITIES.

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## S U M M A R Y O F Q U A L I F I C A T I O N S

**Suez Canal University**, Ismailia, Egypt.

1991-1995: DEMONSTRATOR, BOTANY DEPARTMENT, ST. KATHERINE RESEARCH CENTER, FACULTY OF SCIENCE.

1995- 2000: ASSISTANT LECTURER OF PLANT ECOLOGY, BOTANY DEPARTMENT, ST. KATHERINE RESEARCH CENTER, FACULTY OF SCIENCE

**Arizona State University**, Tempe, Arizona, USA.

2000-2002: PH.D. STUDENT AS EXCHANGE VISITOR TO COMPLETE THE PH.D. WORK THROUGH THE CHANNEL SYSTEM SCHOLARSHIP, PLANT BIOLOGY DEPARTMENT, FACULTY OF LIBERAL ARTS AND SCIENCES.

2001-2002: TEACHING AND RESEARCH ASSISTANCE, PLANT BIOLOGY DEPARTMENT, FACULTY OF LIBERAL ARTS AND SCIENCES.

**Suez Canal University**, Ismailia, Egypt.

2003- NOW: LECTURER OF PLANT ECOLOGY, BOTANY DEPARTMENT, FACULTY OF SCIENCE. CO-ORDINATOR OF QUALITY ASSURANCE OF BOTANY DEPARTMENT, FACULTY OF SCIENCE.

**Nizwa University**, Nizwa, Sultanate of Oman

FEBRUARY – MAY, 2006: VISITOR ASSISTANT PROFESSOR, BIOLOGICAL AND CHEMICAL SCIENCES DEPARTMENT, COLLEGE OF ARTS AND SCIENCES.

OCTOBER – JANUARY, 2007: VISITOR ASSISTANT PROFESSOR, BIOLOGICAL AND CHEMICAL SCIENCES DEPARTMENT, COLLEGE OF ARTS AND SCIENCES.

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## P U B L I C A T I O N S

1- REPRODUCTION ECOLOGY OF SOME WILD TREES AND SHRUBS IN SOUTH SINAI, EGYPT. M.Sc. THESIS, BOTANY DEPARTMENT, FACULTY OF SCIENCE, SUEZ CANAL UNIVERSITY, 119PP (1995).

2- DISTRIBUTION BEHAVIOUR OF SEVEN COMMON TREES AND SHRUBS GRWING IN SOUTH SINAI, EGYPT. *EGYPTIAN JOURNAL OF BOTANY*, 36(1):53-70 (1996).

3- PHENOLOGY, SEED GERMINATION AND PROPAGATION OF SOME TREES AND SHRUBS

GRWING IN SOUTH SINAI, EGYPT. *EGYPTIAN JOURNAL OF BOTANY*, 36 (1):91-107 (1996).

4- EVALUATION OF PLANT DIVERISTY AND ENDEMISM IN SAINT CATHERINE PROTECTORATE, SOUTH SINAI, EGYPT. *EGYPTIAN JOURNAL OF BOTANY*, 41(1):123-141 (2001).

5- ECOLOGICAL EVALUATION OF SOIL QUALITY IN SOUTH SINAI, EGYPT. PH. D. THESIS, BOTANY DEPARTMENT, FACULTY OF SCIENCE, SUEZ CANAL UNIVERSITY, 247PP (2003).

6- CONSERVATION OF MEDICINAL PLANTS IN ST. CATHERINE PROTECTORATE, SOUTH SINAI, EGYPT. PROCEEDINGS OF 1<sup>ST</sup> INTERNATIONAL CONFERENCE ON STRATEGY OF EGYPTIAN HERBARIA, GIZA, EGYPT, 231-251(2004).

7- VEGETATION AND ENVIRONMENT OF GEBEL SERBAL, SOUTH SINAI, EGYPT. *CATRINA, THE INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCES*, 1(2):9-20 (2006).

8- LANDFORMS, VEGETATION, AND SOIL QUALITY IN SOUTH SINAI, EGYPT. *CATRINA, THE INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCES*, 1(2):127-138 (2006).

9- CHARACTERIZATION OF DATE PALM (*PHOENIX DACTYLIFERA* L.) WILD RELATIVES IN COASTAL SALT MARSH HABITATS. *CATRINA, THE INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCES*, 2 (2):105-112 (2007).

10- CONSERVATION OF *ACACIA TORTILIS* SUBSP. *RADDIANA* POPULATIONS IN SOUTHERN SINAI, EGYPT. *SCIENTIFIC BULLETIN OF ASSUITE UNIVERSITY*, 00(00):00-00 (2008). IN PRESS.

11- CURRENT STATUS OF THE FLORA OF NORTH SINAI: LOSSES AND GAINS. *Catrina*, the International Journal of Environmental Sciences, 3 (2):00-00 (2008). IN PRESS.

12- Diversity and Distribution of Medicinal Plants in North Sinai. *SCIENTIFIC BULLETIN OF ASSUITE UNIVERSITY*, 00(00):00-00 (2008). IN PRESS.

13- CONDITION ASSESSMENT OF PLANT DIVERSITY OF GEBEL MAGHARA, NORTH SINAI, EGYPT. *Catrina*, the International Journal of Environmental Sciences, 3 (2):00-00 (2008). IN PRESS.

14- CARBON DISULFIDE (CS<sub>2</sub>) EMISSION BY *ACACIA TORTILIS* AND ITS EFFECT ON SOIL MICROFLORA. IN PROGRESS.

15- CONSERVATION AND MONITORING THE DYNAMIC POPULATION OF *ACACIA TORTILIS* IN SOUTHERN SINAI, EGYPT. IN PROGRESS.

#### **CONFERENCE ORAL PRESENTATION**

1- CONSERVATION OF MEDICINAL PLANTS IN ST. CATHERINE PROTECTORATE, SOUTH

SINAI, EGYPT. THE FIRST INTERNATIONAL CONFERENCE ON STRATEGY OF EGYPTIAN HERBARIA, GIZA, EGYPT, 9-11 MARCH, 2004.

2- VEGETATION AND ENVIRONMENT OF GEBEL SERBAL, SOUTH SINAI, EGYPT. THE FIRST INTERNATIONAL CONFERENCE OF ENVIRONMENTAL SCIENCES ON CONSERVATION AND MANAGEMENT OF NATURAL RESOURCES, SUEZ CANAL UNIVERSITY, EGYPT, 18-19 JUNE, 2006.

3- LANDFORMS, VEGETATION, AND SOIL QUALITY IN SOUTH SINAI, EGYPT. THE FIRST INTERNATIONAL CONFERENCE OF ENVIRONMENTAL SCIENCES ON CONSERVATION AND MANAGEMENT OF NATURAL RESOURCES, SUEZ CANAL UNIVERSITY, EGYPT, 18-19 JUNE, 2006.

4- SOIL SALINITY AND DATE PALM TREES (*PHOENIX DACTYLIFERA* L.) INTERACTIONS, RED SEA COASTAL AREA, EGYPT. THE SECOND INTERNATIONAL CONFERENCE OF ENVIRONMENTAL SCIENCES ON THE ROLE OF GENETICS AND BIOTECHNOLOGY IN CONSERVATION OF NATURAL RESOURCES, SUEZ CANAL UNIVERSITY, EGYPT, 9-10 JULY, 2007.

5- CHANGES IN FLORA OF NORTH SINAI DUE TO HUMAN IMPACT. THE SECOND INTERNATIONAL CONFERENCE OF ENVIRONMENTAL SCIENCES ON THE ROLE OF GENETICS AND BIOTECHNOLOGY IN CONSERVATION OF NATURAL RESOURCES, SUEZ CANAL UNIVERSITY, EGYPT, 9-10 JULY, 2007.

#### **CONFERENCE POSTER PRESENTATION**

1- ECOLOGICAL EVALUATION OF SOIL QUALITY IN SOUTH SINAI, EGYPT. ECOLOGICAL SOCIETY OF AMERICA (ESA) ANNUAL MEETING MADISON, WISCONSIN, MONTANA TERRACE CONVENTION CENTER, 5-10 AUGUST 2001.

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#### **T H E S E S**

SHARING IN SUPERVISION OF THE FOLLOWING THESES

1- M.Sc. THESIS ON "CONSERVATION AND MONITORING OF THREATENED PLANT SPECIES IN ST. KATHERINE PROTECTORATE". IN PROGRESS.

2- M.Sc. THESIS ON "CONSERVATION OF PLANT DIVERSITY OF MOUNTAIN SERBAL, SOUTH SINAI, EGYPT." IN PROGRESS.

3- M.Sc. THESIS ON "DISTRIBUTION BEHAVIOR OF PLANT SPECIES AND HUMAN IMPACT IN GAZA STRIP, PALESTINE". IN PROGRESS.

4- M.Sc. THESIS ON "CHANGE DETECTION OF ACACIA TORTILIS POPULATIONS BY USING REMOTE SENSING AND GIS, SOUTHERN SINAI, EGYPT". IN PROGRESS.

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## PROFESSIONAL EXPERIENCE AND INTERESTS

- 1- PLANT AND SOIL ECOLOGY OF ARID ENVIRONMENT
  - 2- CONSERVATION AND MANAGEMENT OF BIODIVERSITY AND NATURAL RESOURCES INCLUDING VEGETATION, THREATENED, MEDICINAL PLANT SPECIES, AND CULTIVATED CROPS GENETIC RESOURCES ESPECIALLY DATE PALM (*PHOENIX DACTYLIFERA* L.).
  - 3- LAND DEGRADATION AND DESERTIFICATION
  - 4- DEVELOPMENT OF BEDOUINS AND LOCAL INHABITANTS IN DESERT AREAS
  - 5- BIOSTATISTICS AND MULTIVARIATE ANALYSIS
  - 6- GIS AND REMOTE SENSING
  - 7- COMPUTER SKILLS "ICDL"
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## ADDITIONAL PROFESSIONAL ACTIVITIES

### PROJECTS:

SHARING IN THE FOLLOWING PROJECTS:

- 1-DEVELOPMENT AND ESTABLISHMENT OF HERBARIUM OF SAINT KATHERINE RESEARCH CENTER, SOUTH SINAI, EGYPT, FUNDED BY THE EGYPTIAN GOVERNMENT, SCIENTIFIC RESEARCH ACADEMY (1991-1992, 1996-1997, 1998-1999).
- 2-PREPARING THE REPORT OF THE THIRD STAGE OF BEDOUINS SETTLEMENT IN SOUTH AND CENTRAL SINAI, EGYPT, FUNDED BY THE BY THE EGYPTIAN GOVERNMENT AND THE EUROPEAN COMMUNITY (1995-1996).
- 3-BOTANICAL SURVEY AND MANGEMENT OF PLANT LIFE IN ST. KATHERINE PROTECTORATE, FUNDED BY THE EGYPTIAN GOVERNMENT AND THE EUROPEAN COMMUNITY (1996-1997).
- 4- ASSESSMENT OF NATURAL RESOURCES OF WADI WATIR, FUNDED BY THE EGYPTIAN GOVERNMENT AND THE EUROPEAN COMMUNITY (1997- 1999).
- 5- MONITORING AND CONSERVATION OF PLANT LIFE IN ST. KATHERINE PROTECTORATE, SOUTH SINAI, EGYPT, FUNDED BY THE EGYPTIAN GOVERNMENT AND THE EUROPEAN COMMUNITY (1998-1999).
- 6- CONSERVATION AND SUSTAINABLE USE OF MEDICINAL PLANTS IN ST. KATHERINE PROTECTORATE, SOUTH SINAI, FUNDED BY GEF AND UNDP (1998-1999).

7- CONSERVATION OF *ACACIA* SPECIES IN SAINT CATHERINE PROTECTORATE, SOUTH SINAI, EGYPT, FUNDED BY THE EGYPTIAN GOVERNMENT AND THE EUROPEAN COMMUNITY (1998-1999).

8- CONSERVATION AND SUSTAINABLE USE OF *MORINGA PEREGRINA*, AN ECONOMICALLY VALUABLE MEDICINAL PLANT, FUNDED THROUGH US-EGYPT JOINT (2003-2005).

9- ENVIRONMENTAL IMPACT ASSESSMENT OF TAO PIPELINE. A PROPOSED PROJECT AT ROMANA AREA, NORTH SINAI (2004).

10- CONSERVATION AND SUSTAINABLE USE OF MEDICINAL PLANTS, NATIONAL SURVEY, NORTH SINAI, FUNDED BY GEF AND UNDP (2004-2005).

11- MILLENNIUM ECOSYSTEM ASSESSMENT. CONDITION ASSESSMENT OF BIODIVERSITY OF GEBEL MAGHARA, FUNDED BY GEF, UNF, PF, WB, UNEP AND OTHERS (2005).

12- BOTANICAL SURVEY AND MANGEMENT OF PLANT LIFE IN W. EL-GEMAL PROTECTORATE, FUNDED BY THE USAID (2007).

13- CONSERVATION AND SUSTAINABLE USE OF *CRATAEGUS SINAICA*, AN ECONOMICALLY VALUABLE MEDICINAL PLANT, FUNDED THROUGH US-EGYPT JOINT (2007-2009).

#### **CONFERENCES AND SYMPOSIUM:**

1- CONFERENCE OF BOTANICAL SOCIETY OF EGYPT, SAINT KATHERINE, APRIL 1994. MEMBER OF ORGANIZING COMMITTEE.

2- LIFE AND EARTH SCIENCE, GRADUATE RESEARCH SYMPOSIUM, ASU, TEMPE, AZ, FEBRUARY 2001.

3- 16<sup>TH</sup> ANNUAL SYMPOSIUM OF THE INTERNATIONAL ASSOCIATION OF LANDSCAPE ECOLOGY, ASU, TEMPE, AZ, APRIL 2001.

4- ECOLOGICAL SOCIETY OF AMERICA (ESA) ANNUAL MEETING MADISON, WISCONSIN, MONTANA TERRACE CONVENTION CENTER, 5-10 AUGUST 2001.

5- FIRST INTERNATIONAL CONFERENCE ON STRATEGY OF EGYPTIAN HERBARIA, GIZA, EGYPT, 9-11 MARCH, 2004.

6- FIRST INTERNATIONAL CONFERENCE ON NATURAL TOXINS, OCTOBER 6 UNIVERSITY, EGYPT, 18-19 DECEMBER, 2004. MEMBER OF ORGANIZING COMMITTEE.

7- FIRST INTERNATIONAL CONFERENCE OF ENVIRONMENTAL SCIENCES ON CONSERVATION AND MANAGEMENT OF NATURAL RESOURCES, SUEZ CANAL UNIVERSITY, EGYPT, 18-19 JUNE, 2006. COORDINATOR.

8- SECOND INTERNATIONAL CONFERENCE OF ENVIRONMENTAL SCIENCES ON THE

ROLE OF GENETICS AND BIOTECHNOLOGY IN CONSERVATION OF NATURAL RESOURCES, SUEZ CANAL UNIVERSITY, EGYPT, 9-10 JULY, 2007. COORDINATOR.

**WORKSHOPS AND TRAINING COURSES:**

1- WORKSHOP OF TEACHER PREPARING, FACULTY OF EDUCATION, SUEZ CANAL UNIVERSITY, ISMAILIA, EGYPT 1996.

2- WORKSHOP OF BIODIVERSITY, EGYPTIAN ENVIRONMENTAL AFFAIRS AGENCY, CAIRO, EGYPT 1996.

3- WORKSHOP OF BIostatISTICS, FACULTY OF SCIENCE, SUEZ CANAL UNIVERSITY, ISMAILIA, EGYPT 1996.

4- WORKSHOPS OF CONSERVATION AND SUSTAINABLE USE OF MEDICINAL PLANTS IN ST. KATHERINE PROTECTORATE, SOUTH SINAI, EGYPT 1998-1999.

5- LAB CHEMICAL SAFETY, DEPARTMENT OF RISK MANAGEMENT, ASU, FEBRUARY 2000.

6- QUALITY IN ENVIRONMENTAL ANALYSIS, ASU, JUNE 2000.

7- INCREASING LABORATORY PRODUCTIVITY, DIONEX CORPORATION, AZ, OCTOBER 2000.

8- EFFECTIVE CONTACT SKILLS, FACULTY AND LEADERSHIP DEVELOPMENT PROJECT, SUEZ CANAL UNIVERSITY, ISMAILIA, EGYPT 2005.

9- MANAGEMENT OF WATER RESOURCES, FACULTY OF SCIENCE, SUEZ CANAL UNIVERSITY, ISMAILIA, EGYPT 2005.

10- THINKING SKILLS, FACULTY AND LEADERSHIP DEVELOPMENT PROJECT, SUEZ CANAL UNIVERSITY, ISMAILIA, EGYPT 2005.

11- THREATS OF BIODIVERSITY IN EGYPT, FACULTY OF SCIENCE, SUEZ CANAL UNIVERSITY, ISMAILIA, EGYPT 2005.

12- QUALITY IN LEARNING, FACULTY AND LEADERSHIP DEVELOPMENT PROJECT, SUEZ CANAL UNIVERSITY, ISMAILIA, EGYPT 2006.

13- TEACHING EVALUATION, FACULTY AND LEADERSHIP DEVELOPMENT PROJECT, SUEZ CANAL UNIVERSITY, ISMAILIA, EGYPT 2006.

14- TEACHING TECHNOLOGY, FACULTY AND LEADERSHIP DEVELOPMENT PROJECT, SUEZ CANAL UNIVERSITY, ISMAILIA, EGYPT 2007.

**TEACHING:**

TEACHING ECOLOGICAL LABS AND FIELDWORK FOR UNDERGRADUATE STUDENTS, SUEZ CANAL UNIVERSITY, ISMAILIA, EGYPT (1995-1999).

TEACHING ECOLOGICAL LABS AND FIELDWORK FOR UNDERGRADUATE AND GRADUATE STUDENTS, ARIZONA STATE UNIVERSITY, TEMPE, ASU (2001-2002).

TEACHING THE FOLLOWING COURSES FOR UNDERGRADUATE AND POST GRADUATE STUDENTS, FACULTY OF SCIENCE, SUEZ CANAL UNIVERSITY, ISMAILIA, EGYPT (2003-Now):

#### **UNDERGRADUATE COURSES**

PLANT ECOLOGY (3 TIMES)

FLORA AND PHYTOGEOGRAPHY (4 TIMES)

VEGETATION OF SINAI (4 TIMES)

APPLIED ECOLOGY (2 TIMES)

QUALITY IN ENVIRONMENTAL ANALYSIS (3 TIMES)

BIOSTATISTICS (4 TIMES)

ARCHEGONIATES (5 TIMES)

BIOLOGICAL APPLICATION (2 TIMES)

FUNDAMENTALS OF GIS (2 TIMES).

#### **GRADUATE COURSES**

SOIL ECOLOGY (3 TIMES)

APPLICATIONS IN BIOSTATISTICS (3 TIMES)

QUALITY IN ENVIRONMENTAL ANALYSIS (4 TIMES)

**TEACHING THE FOLLOWING COURSES FOR UNDERGRADUATE STUDENTS, NIZWA UNIVERSITY, SULTANATE OF OMAN:**

#### **SPRING, 2006:**

BIOL 351: MAN AND THE ENVIRONMENT “3 CREDIT HOURS” COLLEGE REQUIREMENT

BIOL 150: BOTANY “4 CREDIT HOURS”, NURSING, PHARMACY, AND BIOTECHNOLOGY STUDENTS

BIOL 099: PRE-SCIENCE “NON CREDIT COURSE”

#### **FALL, 2007:**

BIOL 333: ANGIOSPERMS BIOLOGY “3 CREDIT HOURS”, BIOLOGY AND BIOTECHNOLOGY STUDENTS



**P R O F E S S I O N A L M E M B E R S H I P S**

MEMBER OF EGYPTIAN SYNDICATE OF SCIENTIFIC PROFESSIONS

MEMBER OF EGYPTIAN BOTANICAL SOCIETY

MEMBER OF EGYPTIAN AND BRITISH SOCIETY FOR BIOLOGICAL SCIENCE

MEMBER OF EGYPTIAN SOCIETY OF NATURAL TOXINS

TREASURER OF EGYPTIAN SOCIETY OF ENVIRONMENTAL SCIENCE

MEMBER OF EDITORIAL BOARD OF THE INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCES “*CATRINA*”

REVIEWER FOR THE AFRICAN JOURNAL OF ECOLOGY AND TECHNOLOGY

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**R E F E R E N C E S**

**DR. K. H. EL-BATANOUNY**

PROFESSOR OF PLANT ECOLOGY, BOTANY DEPARTMENT, FACULTY OF SCIENCE, CAIRO UNIVERSITY, GIZA, EGYPT

**DR. A. A. MOUSTAFA**

PROFESSOR OF PLANT ECOLOGY, HEAD OF THE BOTANY DEPARTMENT, FACULTY OF SCIENCE, SUEZ CANAL UNIVERSITY, ISMAILIA, EGYPT .

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**DR. J. M. KLOPATEK**

PROFESSOR OF PLANT ECOLOGY, PLANT BIOLOGY DEPARTMENT, ARIZONA STATE UNIVERSITY, ARIZONA, USA. KLOPATEK@ASU.EDU