

# Curriculum Vitae



## **Personal data:**

**Name:** Esraa Saber Hamdy Ibrahim

**Nationality:** Egyptian.

**Gender:** Female

**Marital Status:** Single.

**Date of Birth:** Jan., 17<sup>th</sup>, 1985.

**Place of Birth:** Ismailia, Egypt

**Current City:** Cairo, Egypt

**Address:** 1 Omar Bakir St., Heliopolis, Cairo, Egypt

**ID NO:** 28501171900403

**Passport NO:** A27918708

**Tel:** (+2) 02 – 27748329

**Cellular phone:** 002012 – 22675985

**E-mail:** [esraa.eeaa@gmail.com](mailto:esraa.eeaa@gmail.com)

## **Profile:**

I'm the Director of Climate Change Research Department, Climate Change Central Department, Egyptian Environmental Affairs Agency (EEAA), with the responsibility of dealing with researches and studies about adaptation and mitigation to climate change. I was previously a researcher in the Vulnerability and Adaptation General Department. For about 9 years, I was a researcher in the biodiversity unit, Nature Conservation Sector in the same Agency, and I have had the responsibility to conserve the natural heritage of Egypt against the natural and the human induced threats, as well as climate change impacts. I was a member of both the first national team for paleontology research and excavation and a member of climate change and paleontology museum (Wadi El Hitan museum) developing team. I have a good experience in EIA assessment, natural resources management using geospatial techniques, as well as strategic planning for national biodiversity. Before joining the Ministry of Environment, I worked as researcher in zoology for the Biodiversity Monitoring and Assessment Project (BioMAP) in the period 2005-2008 and for the Nature and Science Foundation (NSF) in the period 2008-2009. I have participated in many biodiversity-relevant publications, websites and reports. In addition, I have had a significant contribution in public awareness, national biodiversity database and Egyptian gazetteer. My post-graduate studies have been focusing on environmental and managerial aspects, to be qualified in natural resources management. I have M.Sc. degree in Environmental and biological studies and the submitted thesis titled (Ecology and biogeography of ground fauna in Suez Canal region) 2017, Zoology Dept., Faculty of Science, Suez Canal University. I'm professional in using remote sensing and geospatial techniques in solving the environmental problems as I have fulfilled GIS and Remote Sensing Professional Diploma from National Authority for Remote Sensing & Space Sciences in collaboration Ain Shams University, in addition to web developing diploma and the online-based trainings. I gained skills of leadership and resources management through being a member of the Presidential Leadership Program (PLP) for executives and by holding MBA from Eslsca Business School in Cairo.

## **Education:**

- BSc. in Zoology, Zoology Dept., Faculty of Science, Suez Canal University; May, 2005, Grade: very good (One of the top high graduates of the faculty).
- MSc. in Environmental and biological studies (Ecology and biogeography of ground fauna in Suez Canal region) 2017, Zoology Dept., Faculty of Science, Suez Canal University.
- Executive Presidential Leadership Program (PLP), National Training Academy, January 2018.
- Master of Business Administration (MBA) program, Eslsca Business School in Cairo, 2020.
- GIS and Remote Sensing Professional Diploma, National Authority for Remote Sensing & Space Sciences in collaboration Ain Shams University, 2019.
- Web Developing Diploma, Russian Cultural Center, Cairo, 2019.
- Course on Environmental Management, American University in Cairo, Spring 2020.
- Course on Environmental Impact Assessment, American University in Cairo, Fall 2021.
- Course on Environmental Systems and Processes, American University in Cairo, Spring 2022.

## **Professional experience:**

- Director of Climate Change Research Department, Climate Change Central Department (CCCD), Egyptian Environmental Affairs Agency (EEAA) Ministry of Environment (MoE) March, 2022 up to date

### **Main responsibilities and achievements:**

- 1- Collaboration with national research centers for filling the gaps in knowledge about climate change impacts in Egypt and solutions.
- 2- Facilitating researches and studies about adaptation and mitigation to climate change in Egypt.
- 3- The contribution in preparing the national strategies, plans, studies and reports about climate change.

- Environmental researcher at Vulnerability and Adaptation General Department / CCCD / EEAA / MoE March, 2020 up to March, 2022

### **Main responsibilities and achievements:**

- 4- Nature-based Solutions specialist
- 5- GIS & Remote Sensing specialist
- 6- Participation in preparing national plans and reports about adaptation to climate change.
- 7- A member of the work group of the interactive map that displays scenarios of climate change impacts on different sectors in Egypt.

- Environmental researcher for National Biodiversity Unit / Nature Conservation Sector / Egyptian Environmental Affairs Agency / Ministry of Environment November 22nd, 2009 up to 2020.

### **Main responsibilities and achievements:**

- 1- Contribution to Egyptian habitat classification.
- 2- Data collection, entry and manipulation to national biodiversity database.
- 3- Zoning and assessment of Egyptian Protected Areas.
- 4- An assessor for Environmental Impact Assessment studies of tourism development
- 5- Contribution to climate change and paleontology museum establishment (Wadi El Hitan museum)

- Researcher in Zoology Unit for the Nature and Science Foundation (NSF) from October 1<sup>st</sup>, 2008 up to October 31<sup>th</sup>, 2009

**Main responsibilities and achievements:**

- 1-A board member of some scientific publications
  - 2-A field researcher in Wallacea project with the main objective of collating data about target terrestrial and marine taxa in the rich and special habitats of South Sinai.
- Researcher in Zoology and translator for the Biodiversity Monitoring and Assessment Project (BioMAP) September 1<sup>st</sup>, 2005 up to August 31<sup>th</sup>, 2008

**Main responsibilities and achievements:**

- 1-The contribution to public awareness about the threats facing biodiversity in Egypt for children, youth, researchers and decision makers.
- 2-Preparing website pages for Egyptian biodiversity.
- 3-Data collection, entry and analysis for the national biodiversity database.
- 4-Participation in providing the Clearing House Mechanism (CHM) with the materials about Egyptian biodiversity.
- 5-Participation in developing the Egyptian gazetteer.
- 6-Contribution to producing 2 important publications about Egyptian biodiversity (Mammals of Egypt and Butterflies of Egypt).

**Training and other experience:**

- Participating as Egyptian delegate responsible for technology negotiations in the Conference Of Parties (COP 27) for the United Nations Framework Convention on Climate Change, Sharm El-Sheikh 2022.
- Training on Climate Finance, provided by European Investment Bank (EIB), 19-20 August 2022.
- Attendance and participation in the celebration of World Oceans Day, 8 June 2022.
- Participation in Cairo Water Week: Water, Population and Global Changes: Challenges and Opportunities, held in Cairo in the period 24-28 October 2021.
- Attending webinar organized for the "World Ocean Day 2021" under the title: Marine Water Resources on 15 July 2021.
- Attending the webinar organized for the "World Ocean Day 2021" under the title: Marine Living Resources on 19th June 2021.
- Attending the IORA Blue Carbon Hub 'Think Tank' Nature-Based Solutions for Coastal Risk Reduction from Tuesday 25th May - Thursday 27th May 2021.
- Participation in the 14th Meeting of the Conference of the Parties to the Convention on Biological Diversity (CBD COP 14 Egypt) held in Sharm El-Sheikh in the period 13-29 November 2018.
- Report writing training at Amideast, Cairo, Egypt, June 2022.
- Proposal writing training at Amideast, Cairo, Egypt, June 2022.
- Applications of GIS and remote sensing in biology, provided by Nature and Science Foundation (NSF), Egypt, 11-12 February 2022.
- Training course with the title: "Get connected – introduction to cyber security", National Institute for Governance & Sustainable Development, 12 December 2021 – 6 January 2022.

- Training on the latest version of ArcGIS product "ArcGIS Pro" in ESRI North East Africa (ESRINEA) during the period 18-20 / 4/ 2017.
- Training on "Community Participation as a Main tool for Achieving Sustainable Development" in the National Research Center during the period 5-9 February 2017.
- Participation in the training workshop on the survey methods in Protected Areas organized by Nature Conservation Sector and held in the training center in Sharm El-Sheikh in the period from 21 September to 29 September 2014.
- Participation in the training workshop "GIS applications in Assessing Vulnerability to Sea Level Rise" from 19th to 21st of November 2013 held in Alexandria Research Centre for Adaptation (ARCA).
- Participation in the training workshop "GIS for socioeconomic applications" from 19th to 20th November 2012 held in Alexandria Research Centre for Adaptation (ARCA).
- Participation in Operation Wallacea which helps in collating the biodiversity records for Egypt for a range of taxa, through its expedition in 2009 to South Sinai.
- Training on environmental researches in St Katherine and Portugal with students of Nottingham University, England, during the training period of Zoology department from April to September 2004.

### **Online scholarships and training courses:**

- Adaptation to Climate Change, a training course provided by JICA in collaboration with Overseas Environmental Cooperation Center, Japan, 22 August – 27 September 2022.
- Climate Change Adaptation and Mitigation in Africa (Region 2), a course provided by the Australian National University, 5 August – 16 September 2022.
- Youth and Climate Academy: Engaging in Climate Action for a Just Transition, a course provided by International Labour Organization (ILO) Co-financed by the Italian Ministry of Foreign Affairs and International Cooperation, 6-17 June 2022.
- The National Institute of Oceanography and Fisheries (NIOF) Entrepreneurs Club third training camp "Design thinking and creating prototype", 17-19 April 2022.
- Get started with species distribution modelling in Maxent, a course provided by Udemy, February 2022.
- Nature-based Solutions for Disaster and Climate Resilience, a course provided by UN Environment Programme (UNEP) in collaboration with the Partnership for Environment and Disaster Risk Reduction (PEDRR), 3 November 2021.
- The global geospatial scholarship (a set of practical remote sensing courses based on ERDAS imagine software), offered by Brilliant Remote Sensing Labs (Hexagon Geospatial training partner) to obtain three international certificates: a) Certified Remote Sensing Specialist "RSS"; b) Certified Remote Sensing Professional "RSP"; and c) Certified Remote Sensing Solution Developer "RSSD", October 2019.
- Python 3 Tutorial course, SOLOLEARN, April 4, 2019.
- Spatial Data Analysis with ArcGIS Desktop, course of GEO University, April 29, 2019.
- Environmental Modelling and Analysis in GIS, course of GEO University, April 30, 2019.
- Earth Imagery at Work MOOC, esri, May 26, 2019.

### **Scientific publications:**

- ❖ Participation with paper and presentation entitled “Impact of Agricultural Practices and Urbanization on Ground Invertebrate Fauna in Suez Canal Region, Egypt” within the VIII International Scientific Agriculture Symposium “AGROSYM 2017”, October 5<sup>th</sup> to 8<sup>th</sup>, 2017, Jahorina Mountain, Bosnia and Herzegovina.
- ❖ A paper in 2017 with the title “Ecology and Biogeography of the Ground Fauna of Suez Canal Region”, Journal of CATRINA (2017), 16 (1):01-08.
- ❖ A poster in Young Researchers Conference in 2015 with the title “Ecology and biogeography of the ground fauna of Suez Canal region”
- ❖ An abstract in Paleontological society of Egypt, Sept. 2015, with the title “New vertebrate findings from Jebel Qatrani formation of the Qarun Protected Area, Fayum depression, Egypt”, and a presentation about this subject
- ❖ An abstract in Paleontological society of Egypt, Sept. 2015, with the title “New extraordinarily preserved skeletons of Archaeocete whales (Mammalia, Cetacea) from the Wadi El-Hitan area, Fayum depression, Egypt.”
- ❖ A paper in 2004 with the title “Redescription of a weevil *Paramecops sinaitus* (Coleoptera: Curculionidae: Molytinae) from the Sinai and an ecological study of its interaction with the Sinai milkweed *Asclepias sinaica* (Gentianales: Asclepiadaceae)” which was presented in an international conference named "Biological Interactions" in St Katherine, Sep. 2004.

### **Languages:**

- Arabic: Mother tongue.
- English: Very Good.

### **English Certificates:**

- English Language Program for Ministry of Environment, reaching Pre-Advanced 2 level, Amideast in Cairo, Egypt, April 14 2022.
- Academic IELTS in 2 March 2019 from idp IELTS Egypt, with overall band score: 6.0.