# PERSONAL INFORMATION

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| **Name:** | Saadia Hamed Aly Hamed |
| **Date of birth:** | 29/12/1977 |
| **Nationality:** | Egyptian |
| **Gender:** | Female |
| **Phone:** | +201000034834 |
| **Address:** | Faculty of Science, Benha university, Benha, Egypt, Postal Code 13518 |
| **Email:** | saadiabotany@fsc.bu.edu.eg |
| **Current job:** | lecturer of Plant Ecology, Taxonomy and Flora |

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| **EDUCATION**  **2017** | **Ph. D.**, Botany (Ecology, Taxonomy and Flora), Department of Botany & Microbiology, Benha University.  **Research topic**: Evaluation of *Moringa* *oleifera* Lam. (Moringaceae) as an alternative economic crop in Egypt. |
| **2007** | **M. SC.,** Botany (Ecology, Taxonomy and Flora), Department of Botany & Microbiology, Benha University.  **Research topic**: Studying and Evaluation of Microanatomical and Morphological Properties of Some Woody Plants Growing in Egypt**.** |
| **2000** | **B. Sc.**, General Botany, Botany Department, Benha University  **Grade**: Excellent with honor degree |

**PROFESSIONAL POSITION:**

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| **From 2017 till now** | • Lecturer of Plant Ecology, Taxonomy and Flora at Botany & Microbiology Dept., Faculty of Science, Benha University. | | |
| **From 2007-2017** | • Assistant Lecturer at Botany & Microbiology Department Faculty of Science, Benha University. | | |
| **From 2000-2007** | • Demonstrator of at Botany & Microbiology Department Faculty of Science, Benha University. | | |
| **TEACHING ACTIVITY** | | Teaching and tutoring activity at Botany and Microbiology  Department, Faculty of Science, Benha University and at Biology  Department, Faculty of Education, Benha University  **THEORETICAL COURSES:**  **1- Courses for Faculty of Science Students:**  \*Plant Anatomy 2nd level Medical Entemology students  \*Plant Taxonomy for 2nd level Microbiology students and Botany and Chemistry students.  \*Phytogeography for 3rd Botany and Chemistry students.  \*Economic Botany for 4th level Botany and Chemistry students.  **2- Courses for Faculty of Education Students:**  • Plant Anatomy and for 1st level (English)  • Plant morphology for 1st level (Arabic)  • Economic Botany for 2nd level students ( Arabic and English)  • Systematic Botany 1st level students ( Arabic and English)  **For postgraduate students:**  \*Botanical Gardens and Herbaria  \*Ecological water relation.  **PRACTICAL COURSES:**   1. **Courses for Faculty of Science Students:**  * Plant Anatomy, plant physiology for 1st level students (biology) * Advanced Plant Anatomy, Plant Taxonomy, Plant Ecology for 2nd level students (Microbiology students and Botany and Chemistry students). * Vegetation, Archegoniate for 3rd level students (Botany and Chemistry students).  1. **Courses for Faculty of Science Students:**   Plant Anatomy, Economic Botany for 2nd level students. |
| **COMPUTER SKILLS**  **ELECTRONIC PLATFORMS**  **ADMINISTRATIVE POSITION** | | ICDL  Good user of zoom, Telegram & Microsoft teams  **Head of Schedules Commite** At Botany & Microbiology Department (2018 and 2020).  **Renovation and development of the research lab of ecology**  In Botany and Microbiology dept., Faculty of science in 2011  **Establishment initialization of the botanical garden** of the faculty of in 2019.  **Main and direct supervision of the botanical garden** of the faculty of science from 2019 till now.  **Renovation and Supervision of the of the greenhouse** of the faculty of science from 2019 till now.  **Establishment of the botanical herbarium** of Botany and Microbiology dept., Faculty of science in 2022. |

**CONFERENCES, WORKSHOPS & WEBINARS**

* Attended and participated in the 7th international conference of microbial and biotechnology and their role in the development of the society at Faculty of Science, Tanta University, 2017.
* Attended the workshop of Using educational sources of the Egyptian Knowledge Bank , 2017
* Attendance and participation in online workshop entitled “ Nano Drug Delivery Systems: Formulation And Chracterization” on 3-4/Febrauary, 2021, at NAWAH SCIENTIFIC.

#  MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS

* Member of Egyptian Botanical Society.

## AREA OF RESEARCH

* Ecological factors impacts on plants (micro and macromorphology, phytochemistry, yield….)
* Economic plants

## PUBLICATIONS

1. Kamal H Shaltout, Hussein I Ali, Ahmed A Mobarak, Dina M. Baraka and **Saadia H Aly** (**2016**): Variations in floristic composition of wild and cultivated species associated with *Moringa* *oleifera* Lam. In Egypt. Taeckolmia 36: 136-157

2. Shaltout KH , Ali HI, Ahmed Mobarak, Baraka DM and **Aly SH** (**2017**): Germination and seedling characteristics of *Moringa* *oleifera* (Lam.) from different sites in Egypt. Research Journal of pharmaceutical, biological and chemical sciences 8 (1): 285-291

3. K.H. Shaltout , H.I. Ali, A. Mobarak, D.M. Baraka, **S.H. Aly** (**2017**): Morphological variability among *Moringa* *oleifera* (Lamarak) populations in Egypt. Egypt. J. Bot. 57 (1): 241-157

4. Aziza Nagah and **Saadia Hamed Aly** (**2021**): Physiological Approaches to evaluate the antioxidant and antimicrobial activities of two wild Euphorbiaceous species of the Egyptian flora. Egyptian Academic Journal of Biological sciences 12(2): 191-205.

5. Soha Mohammed, Mostafa M. El-Sheekh, **Saadia Hamed Aly**, Maha Al-Harbi, Amr Elkelish and Aziza Nagah (**2023**): Inductive role of the brown alga *Sargassum polycystum* on growth and biosynthesis of imperative metabolites and antioxidants of two crop plants. Frontiers in Plant Science, Volume 14.

6. Aziza Nagah, Mohammed Ali, **Saadia Hamed Aly**, Soha Mohammed (**2023**): Phytochemical Screening of Bioactive Components of the Brown Seaweed *Sargassum swartzii* and its Stimulatory Effect on Seed Germination of Fenugreek and Barely. Egyptian Journal of Aquatic Biology & Fisheries 27(2): 173 – 193.

THESIS SUPERVISION (in progress)

**M.cs. thesis titled** “Alternative therapies and biocontrol of Hepatocellular carcinoma .