

# Prof. Mona Hetta

Dean of Faculty of Pharmacy – Nahda University



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**Sex:** female

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**Citations:** 1216

**h-index:** 19

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**Google Scholar:** <https://scholar.google.com/eg/citations?user=hCCaoWoAAAAJ&hl=en>

## **Academic Education:** \_\_\_\_\_

**Ph.D. in Pharmaceutical sciences – 2001 – Helwan University**

**M.Sc. in Pharmaceutical sciences – 1992 – Cairo University**

**B.Sc. in Pharmaceutical sciences – 1984 – Cairo University**

## **Chronology of Employment:** \_\_\_\_\_

**Professor: Faculty of Pharmacy, Pharmacognosy Department, Beni-Suef University, 2013**

**Associate Professor: Faculty of Pharmacy, Pharmacognosy Department, Beni-Suef University, 2008**

**Lecturer: Faculty of Pharmacy, Pharmacognosy Department, Beni-Suef University, 2001**

## **Additional information:** \_\_\_\_\_

**Career related activities:**

**Dean and founder of Faculty of Pharmacy, Fayoum University, 2015 - 2022**

**Dean of Faculty of Pharmacy, Beni-Suef University, 2014 - 2015.**

**Vice Dean of Postgraduate Studies and Research, Faculty of Graduate Studies, Beni-Suef University, 2013 – 2014.**

**Head of Pharmacognosy Department, Faculty of Pharmacy Beni – Suef University, 2008 – 2014.**

**Program coordinator for the Clinical Pharmacy Program in Faculty of Pharmacy Beni – Suef University, 2008 - 2011.**

**Research Project's contribution:** المشاريع البحثية

- **Contributing to the project entitled “Online pharmacogenomics and personalized medicine postgraduate program”, project funded by Erasmus, 2021 (998,210 EUR).**
- **Principal investigator in the project funded by STDF – Research Support call; entitled: “Safe and effective remedy for treatment of Asthma from natural source”, 2019 (100000 E.P).**
- **Principal Investigator in the link project funded by Fayoum University in the project entitled “Phytochemical and biological studies of some Cycas species cultivated in Egypt”, 2018 (40.000 E. P).**
- **Principal Investigator in the link project funded by STDF – Capacity Building Grants (Project ID 22841)– in the project entitled “Natural Products Research Lab, 2016” (10 million E.P)**
- **Contributing to the project entitled “Bioactive metabolites isolated from the aquatic microorganisms of Nile River, 2015 [Beni-Suef University].**
- **Principal Investigator in the link project funded by the Beni-Suef University, entitled "Study of the antihypercholesterolemic effect of Spinach cultivated in Egypt", 2012.**
- **Contributing to the project entitled “Phytochemical screening and bioactivity of some freshwater algae, 2010.” [by STDF]**
- **Contributing to the project entitled “Isolation and structure elucidation of saponins from some plants belonging to family Araliaceae and grown in Egypt.”, 2008.**
- **Principal Investigator in the link project funded by the National Research Centre (NRC) Cairo, entitled “Phytochemical and Pharmacological Study on Extracts of Doum Plant, Hyphaene thebaica.”, 2007.**

**Theses supervised:**

- **Ph.D. thesis entitled “Studies on medicinal and aromatic plants as natural resources for pest control agents.” 2003, Cairo University.**
- **Ph.D. thesis entitled "Biochemical effects of marine algae on experimental animals", 2007, Beni-Suef University.**
- **Ph.D. thesis entitled "Comparative phytochemical and biological study of certain plants of Family Cycadaceae cultivated in Egypt", 2011, Beni-Suef University.**
- **Master thesis entitled “Phytochemical and biological studies on Pisum sativum”, 2011, Al Azhar University.**
- **Master thesis entitled “Phytochemical and biological study of certain Conyza species growing in Egypt", 2012, Beni-Suef University.**

- **Master thesis entitled "Phytochemical and Biological studies of Ficus platypoda and Ficus lyrata Family Moraceae, cultivated in Egypt." 2013, Beni-Suef University.**
- **Ph.D. thesis entitled "Chemical Studies and Bioactivities of Eugenia rigida DC.", 2013, Beni-Suef University.**
- **Master thesis entitled "Phytochemical and biological studies on Citrus medica L. Family Rutaceae cultivated in Egypt.", 2013, Beni-Suef University.**
- **Master thesis entitled "Phytochemical and Biological study on certain species of perismon, Diospyros kaki family Ebenaceae cultivated in Egypt." 2014, Beni-Suef University.**
- **Master thesis entitled "Antibacterial and antiviral activity of cyanobacteria and microalgae isolated from River Nile", 2015, Ain Shams University – Faculty of Sciences.**
- **Ph.D. thesis entitled "Secondary metabolites from the Red Sea marine invertebrates: Phyllospongia and Lobophytum species", 2015, Beni-Suef University.**
- **Master thesis entitled "Natural products as enzyme inhibitors for production of biological active agents" 2015, Beni-Suef University.**
- **Ph.D. thesis entitled "Phytochemical and biological study on Phyllanthus emblica Family Euphorbiaceae cultivated in Egypt", 2015, Beni-Suef University.**
- **Master thesis entitled "Phytochemical and biological study of Premna odorata cultivated in Egypt.", 2016, Beni-Suef University.**
- **Master thesis entitled "Pharmacognostical and biological study of genus Pulicaria growing in Egypt", 2016.**
- **Ph.D. thesis entitled "Quality Control of Certain Herbal Recipes in Egyptian Market Used in Respiratory System Diseases", 2017.**
- **Master thesis entitled "Phytochemical and Biological studies of Euphorbia species cultivated in Egypt", 2017.**
- **Master thesis entitled "Bioactive secondary metabolites from the River Nile derived microbes", 2018.**
- **Ph.D. thesis entitled "Anticancer activity of different plants belonging to Salicaceae and Arecaceae Family cultivated in Egypt", 2019, Beni-Suef University.**
- **Ph.D. thesis entitled "Phytochemical and Biological Study of Natural Skin Rejuvenating Agents", 2020, Beni-Suef University.**
- **Ph.D. thesis entitled "Phytochemical and Biological Study on certain species belonging to Family Azioaceae", 2021, Beni-Suef University.**
- **Master thesis entitled "Phytochemical study of selected Egyptian plants for treatment of cancer", 2021, Beni-Suef University.**
- **Master thesis entitled "Phytochemical and Biological study of plants belonging to Zamiaceae family growing in Egypt", 2021, Beni-Suef University.**

- Ph.D. thesis entitled "Phytochemical and Biological Studies of Some Cycas Species Cultivated in Egypt ", 2022, Beni-Suef University.
- PhD thesis entitled “Phytochemical and biological study of certain plants used in Egyptian traditional medicine with potential antileukemic activity”, 2023, Cairo University.

### Theses under supervision:

- Ph.D. thesis entitled "Phytochemical, Biological Study of some desert plants from the Arabian Peninsula", 2015, Beni-Suef University.
- Master thesis entitled "Phytochemical and clinical study of Hagar al Sada in Treatment of Premature Ejaculation", 2016, Faculty of Medicine, Fayoum University.
- PhD thesis entitled “Phytochemical and Biological Studies on Leaves of *Colvillea racemosa*., Family Fabaceae Cultivated in Egypt”, 2019, Suez Canal University.

### Research Interests:

- Research work focuses on the isolation and purification and identification of bioactive constituents from natural sources.
- Pharmacological evaluation of the extracts or the isolates is a main subject in our research.
- Drug discovery from natural medicinal sources.

### E – Learning course programme

- Pharmacognosy 3 – Beni- Suef University.

### Languages:

Arabic (mother tongue), French, English, German (weak)

### Publications: (Last 5 publications)

- Essam Nabih Ads, Syed Imran Hassan, Saravanan Rajendrasozhan, Mona Hafez Hetta, Shaza H. Aly, , Mohamed A. Ali; “Isolation, Structure Elucidation and Antimicrobial Evaluation of Natural Pentacyclic Triterpenoids and Phytochemical Investigation of Different Fractions of *Ziziphus spina-christi* (L.) Stem Bark using LC/HRMS analysis”; *Molecules* 2022, 27, 1805. <https://doi.org/10.3390/molecules27061805>
- Mohamed S. Abd El Hafeez, Omayma El Gindi, Mona H. Hetta, Hanan F. Aly and Safwat A. Ahmed; “Quality Control, Anti-Hyperglycemic, and Anti-Inflammatory Assessment of *Colvillea racemosa* Leaves Using In Vitro - In Vivo Investigations and Its Correlation with the Phytoconstituents Identified via LC-QTOF-MS and MS/MS”. *Plants* 2022, 11, 830. <https://doi.org/10.3390/plants11060830>.
- Rehab Bahy; Mona H. Hetta; Mohamed N.F. Shaheen; Marwa S. Abu bakr; “Antibacterial, Antifungal and Antiviral Activities of *Euphorbia Greenwayi* var. *Greenwayi* Bally & S. Carter”. *J Pure Appl Microbiol.* 2022. doi: 10.22207/JPAM.16.4.39.
- Fatma A. Mokhtar; Nabil M. Selim; Seham S. Elhawary; Soha R. Abd El Hadi; Mona H. Hetta; Marzough A. Albalawi; Ali A. Shati; Mohammad Y. Alfaifi; Serag Eldin I. Elbehairi; Lamiaa I. Fahmy; Rana M. Ibrahim; “Green Biosynthesis of Silver Nanoparticles Using *Annona glabra* and *Annona squamosa* Extracts with Antimicrobial, Anticancer, Apoptosis Potentials, Assisted by In Silico Modeling, and Metabolic Profiling”. *Pharmaceuticals* 2022, 15(11), 1354; <https://doi.org/10.3390/ph15111354>.
- Shimaa Abdelgawad, Mona Hetta, Mohammed Ibrahim, Ghada; Ahmed Fawzy, Hesham El-Askary, Samir A. Ross 2023, “Holistic Overview of the Phytoconstituents and Pharmacological Activities of Egyptian

Riverhemp [*Sesbania sesban* (L.) Merr.]: A Review” Natural Product Communications 202310.1177/1934578X231160882.

## Books:

- **Book on New and Advanced materials; Chapter 7; “Pericarp of *Pisum sativum* L. as a Biologically Active Waste Product”;** 2012.
  - **Drug Discovery from Herbs: Approaches and applications; Chapter 1: "Anti-Hyperglycemic Agents from Natural Sources: In-vitro and In-vivo Studies".;** 2017, Daya Publishing House
  - **Herbal Monograph on Wild Medicinal Plants in Egypt, Egyptian Drug Authority (EDA), 2020. المونوجراف المصرى مع هيئة الدواء المصرية – اصدار 2020**
  - **Herbal Monograph on Wild Medicinal Plants in Egypt, Egyptian Drug Authority (EDA), (Pharmacopoeial Plants), 2021. المونوجراف المصرى مع هيئة الدواء المصرية – اصدار 2021**
  - **Herbal Monograph on Wild Medicinal Plants in Egypt, Egyptian Drug Authority (EDA), volume 3, 2022. المونوجراف المصرى مع هيئة الدواء المصرية – اصدار 2022**
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