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**AcademicBackground**

**Ph.D**. Biological Chemistry; Hiroshima University Japan, 2007 **Ph.D**. Natural Product Chemistry; El-Mina University Egypt,2005

**M.S.** Natural Product Chemistry; El-Mina University Egypt,2002

**B.S.** Chemistry; El-Mina University,1998

**ProfessionalExperience**

Professor, Natural Product Chemistry, National Research Center, Egypt2017-till now

Associate Professor, Natural Product Chemistry, National Research Center, Egypt2012-2017 Researcher, Natural Product Chemistry, National Research Center, Egypt2007-2012

Assistant Researcher, Natural Product Chemistry, National Research Center, Egypt 2004-2007 Post-Doctoral Associate, Department of Chemistry; Hiroshima University, Japan; 2003-2007 Master´s Fellowship, Department of Chemistry; El-Minia University, Egypt;1998-2002

**Awards**

National Research Centre Encouragement Awards 2017.

Alexander von Humboldt Foundation (Georg Forster Research Fellowship for Experienced Researchers) 2017.

Drug Research Council, Academy of Scientific Research & Technology (Egypt)2016

Texas Tech University Visiting Scientist Scholarship (USA) 2008, 2010,2015

Achievement Award for International Publications: National Research Center (Egypt) 2010, 2012 Japan Society for the Promotion of Science Post Doctoral Scholarship2010

National Sun Yat-Sen University Visiting Scientist Scholarship (Taiwan)2009

Academy of Sciences Developing World's Arab Region Excellent Young Scientist Award2008

**Publications** (Total publ. 79+; H-index 15 with Scopus)

* Abdelsamed I. Elshamy, Tarik A. Mohamed, Mona M. Marzouk, Taha A. Hussien, Akemi Umeyama, Mohamed Elamir F. Hegazy, Phytochemical constituents and chemosystematic significance of Pulicaria jaubertii E.Gamal-Eldin (Asteraceae). **2018, Accepted in Phytochemistry letter.**
* Tarik A. Mohamed, Mohamed-Elamir F. Hegazy, Abeer A. Abd El Aty, Hazem A. Ghabbour, Mansour S. Alsaid, Abdelaaty A. Shahat, Paul W. Paré, New sesquiterpene lactones from *Artemisia sieberi* and their antimicrobial activity, Journal of Asian Natural Products Research, **2017,** 19(11), pp. 1093-1101.
* **Hegazy MEF**, El-Beih AA, Hamed AR, Abd El Aty AA, Mohamed NS and Paré PW. (2017) 3-Oxo-γ-costic acid fungal-transformation generates eudesmane sesquiterpenes with in vitro tumor-inhibitory activity,Bioorganic & Medicinal Chemistry Letters, 27, 3825-3828
* **Hegazy MEF**, Hamed AR, El-Kashoury EA, Shaheen AM, Tawfik WA, Abdel-Sattar E and Paré PW. (2017) Stachaegyptin A-C: neo-Clerodane diterpenes from *Stachysaegyptiaca*, Phytochemistry letters, 21, 151-156.
* Abd-Alla, HI, Sweelam, HTM, Mohamed, TA, Gabr, MM, El-Safty, MM, **Hegazy, MEF**(2017). Efficacy of extracts and iridoid glucosides from *Pentaslanceolata* on humoral and cell-mediatedimmune response of viral vaccine, Medicinal Chemistry Research, 26,2196-2204.
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* WAElmasri, R Zhu, W Peng, M Al-Hariri, F Kobeissy, P Tran, AN. Hamood, **Hegazy MEF**, Paré PW, and Mechref Y(2017) Multitargeted Flavonoid Inhibition of the Pathogenic Bacterium *Staphylococcus aureus*: A Proteomic Characterization. *J. Proteome Res.*, 16, 2579-2586
* **Hegazy MEF**, Elshamy AI, Mohamed TA, Hamed AR., Ibrahim MAA, Ohta Sand Paré PW(2017) Cembrene Diterpenoids with Ether Linkages from *Sarcophytonehrenbergi*: An Anti-Proliferation and Molecular-Docking Assessment Mar. Drugs 15(6), 192; doi:10.3390/md15060192 (registering DOI)
* Mokhtara MM, Shaban HM, **Hegazy MEF**, Ali SS. Evaluating the potential cancer chemopreventive efficacy of two different solvent extracts of *Seriphidiumherba-alba* in vitro. Bulletin of Faculty of Pharmacy, Cairo University, 55, 2017, 195–20.
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* Mohamed A-EH, Mohamed NS, Hamed AR, **Hegazy MEF,**(2016) Anti-inflammatory activity of highly oxygenated terpenoids from *Achillea biebersteinii*Afan, ZeitschriftfürNaturforschung C, 71, 429-432.
* Elmasri WA, Yang T, **Hegazy MEF**, Mechref Y, Paré PW (2016) Iridoid glycoside permethylation enhances chromatographic separation and chemical ionization Rapid, Communications in Mass Spectrometry, 2033-2042
* Abdel-Razik AF, Nassar MI, Elshamy AI, Kubacy TM, **Hegazy MEF**, Ibrahim N, Lamer A-CL, Farrag AH (2016) A new cytotoxic ceramide from *Heteroxeniaghardaqensis* and protective effect of chloroform extract against cadmium toxicity in rats. Arabian Journal of Chemistr, 9, 649-655.
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**Books**

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**Hegazy MEF**, El-Razek MHA, Nagashima F, Asakawa Y, Paré PW (2009) Rare prenylated flavonoids from *Tephrosiapurpurea*. Egyptian Second International Conference in Chemistry; Hurghada,Egypt.

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**Hegazy MEF**, Kuwata C, Sato Y, Otsuka M, Matsushima A, Hirata T (2006) Biotransformation of 4-oxoisophorone by cultured cells of *Marchantiapolymorpha*, 9thSymposium on Biocatalytic Chemistry; Otsu,Japan

**Hegazy MEF**, Kuwata C, Sato Y, Otsuka M, Matsushima A, Shishido K, Hirata T (2006) Biotransformation of Enons Using Plant Cultured Cells. 48thSymposium on the Chemistry of Natural Products; Sendai,Japan.

**Hegazy MEF**, Kuwata C, Sato Y, Otsuka M, Matsushima A, Shishido K, Hirata T (2005) Asymmetric hydrogenation of C=C double bonds of Maleimides by cultured plant cells. Chemical Society of Japan 85thSpring Conference; Yokohama,Japan.

**Hegazy MEF**, Kuwata C, Sato Y, Otsuka M, Matsushima A, Ahmed AA, Hirata T (2005) Biotransformation of sesquiterpenoids having ,-unsaturated carbonyl groups with cultured plant cells of *Marchantiapolymorpha*, 7thInternational Symposium on Biocatalysis and Biotransformation; Delft,Netherlands.

**ProfessionalMembership**

Egyptian ChemicalSociety

Academy of Scientific Research & Technology, Egypt

Society for Medicinal Plant and Natural ProductResearch, Germany

Arab Society for MedicalResearch, Egypt

Arab Society for Medical plant Research, Egypt

**Previous Projects**

Naturally Cancer Chemo-preventive Agents from Marine Soft Corals: Isolation, Identification and Production using Biotransformation in Cultured Cells (PI); Science & Technology Development Fund(Egypt).

Development of Natural Products for Treatment or/and Control of Hepatitis C Virus Infection; Industrial Modernization Center, [Science & Technology Development Fund(Egypt](https://www.google.co.jp/url?sa=t&amp;rct=j&amp;q&amp;esrc=s&amp;source=web&amp;cd=1&amp;cad=rja&amp;uact=8&amp;ved=0ahUKEwj169bq2IDLAhVDspQKHfz8Ai8QFggyMAA&amp;url=http%3A%2F%2Fwww.stdf.org.eg%2F&amp;usg=AFQjCNGKKqYMOEYC58aVxLEWeAUHR39URg&amp;sig2=ekg4JNF8LeNnjzjXqqjCNQ&amp;bvm=bv.114733917%2Cd.dGY)).

Development of a Natural Product as Potential Sources of Lead Compounds for Fatty Liver; Science & Technology Development Fund(Egypt).

Economically and Environmentally Innovative Techniques for Extraction and Isolation of Medicinal Plants; Science & Technology Development Fund(Egypt).

The Egyptian Encyclopedia of the Wild Medicinal Plants, Science & Technology Development Fund(Egypt).

Cultivation, post-Harvest processing and marketing support of Egyptian medicinal plants;Science & Technology Development Fund(Egypt).

perfecting inventory, utilization and development of wild plants in south eastern region of EgyptScience & Technology Development Fund(Egypt).

Sinai Wild Plants: A Forthcoming Nominee to be deeply examined to Improve Chemotherapy via Multi-Drug Resistant Inhibition and Enhance Cancer Prevention; National research centre, Egypt.

**Current Graduate Student Supervision (Total7)**

Master´s of Science: Shaheen A, Reda E, Elsehemy M, SalahM Doctorate Candidates: Elbadry H, Ahmed M, KamalS