



Name	Maged El-Sayed Mohammed		
Specialization	Pharmacognosy and Natural Product Chemistry		
Current Position	Associate professor		
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Academic Qualifications	Degree/year/university/country	B.Sc./1998/ Faculty of Pharmacy, Zagazig University, Zagazig, Egypt,	
	Degree/year/university/country	M. Pharm/2003/ Faculty of Pharmacy, Zagazig University, Zagazig, Egypt,	
	Degree/year/university/country	Ph.D/2009/ School of Biological Sciences, University of Bristol, United Kingdom,	
Teaching Experience	<p>1999 - 2003: Demonstrator of Pharmacognosy and natural product chemistry, Faculty of Pharmacy, University of Zagazig, Zagazig, Egypt. ●</p> <p>2003 - 2005: Assistant Lecturer of Pharmacognosy and Natural Product Chemistry, Faculty of Pharmacy, University of Zagazig, Zagazig, Egypt. ●</p> <p>2005-2009: Researcher in fungal and plant molecular biology group, school of Biological Sciences, University of Bristol, United Kingdom. ●</p> <p>2009- 2013: Lecturer of Pharmacognosy and natural product chemistry, Faculty of Pharmacy, University of Zagazig, Zagazig, Egypt. ●</p> <p>2010- 2013: Honorary status as a research associate in the School of Biological Sciences, University of Bristol, United Kingdom. ●</p> <p>2013-2016: Assistant professor, Department of Pharmaceutical Sciences, College of Clinical Pharmacy, University of King Faisal, AlAhsa, Kingdom of Saudi Arabia ●</p> <p>2016-2021: Assistant professor, Department of Pharmacognosy, Faculty of Pharmacy, University of Zagazig, Zagazig, Egypt. ●</p> <p>2016-2021: Associate professor, Department of Pharmaceutical Sciences, College of Clinical Pharmacy, University of King Faisal, AlAhsa, Kingdom of Saudi Arabia ●</p>		

	<p>2021- present: Professor, Department of Pharmacognosy, Faculty of Pharmacy, University of Zagazig, Zagazig, Egypt ●</p> <p>2022- present: Professor, Department of Pharmaceutical Sciences, College of Clinical Pharmacy, University of King Faisal, AlAhsa, Kingdom of Saudi Arabia ●</p>
<p>All the Courses Taught and Teaching in KFU with Course number</p>	<p>Pharmacognosy (2010213) ●</p> <p>Natural Products & Herbal Medicine (2010321) ●</p> <p>Pharm.D. Seminar (2030423) ●</p> <p>Institutional Pharmacy Practice (2030323) ●</p> <p>Pharmacy Management (2030423) ●</p>
<p>Research Interests</p>	<p>My research interest lays within the following four main areas:</p> <p>1- Isolation and structure elucidation of compounds from natural sources, which are unique to the geographic area or those from waste products as a way to reuse or recycle them. The isolation techniques depends mainly on classical column chromatography with some preparative TLC or HPLC. The structure elucidation techniques mainly involve one and two dimensional NMR spectroscopy and mass spectrometry.</p> <p>2- Application of plant tissue culture for the production of valuable medicinal components through induction and maintenance of callus and plant-cell suspension cultures. The production of the medicinally and pharmacologically valuable materials should be through manipulation of culture conditions, the use of elicitors or biotransformation experiments. Other purposes of plant tissue culture techniques is the micropropagation of rare medicinally valuable plants.</p> <p>3- Plant biotechnology and metabolic engineering for pharmaceutical purposes involve the assembly of a known metabolic pathway genes for production of valuable medicinally active drug. The genes of such metabolic pathway could be obtained from any natural source and assembled in a plant or could be from a plant and compiled in an heterologous host such as bacteria or yeast.</p> <p>4- Drug discovery and natural products repositioning is a way to recognize the presence of new medicinal uses for old, already known drug or chemical. Already known natural products could be repurposed for new medicinal uses through <i>in silico</i> structure simulations and receptor-fitting studies. The <i>in vitro</i> and <i>in vivo</i> experiments for the new rediscovered drug should emphasize its <i>in silico</i> studies.</p>

<p>Research Grants Received</p>	<p>Assem M. El-Shazly, Dalia I. Hamdan, Maged E. Mohamed, Rehab H. Abdulla and (2011), <i>Citrus</i> species: isolation, characterization and discovery of biologically active compounds University of Zagazig Grant No. 5K2/M4 to AE. (Co-investigator)</p> <p>Phytochemical and biological screening of essential oils from some aromatic plant families in the eastern area (Al-Ahsa) of Saudi Arabia, Deanship of scientific research, University of King Faisal, Al-Ahsa, Kingdom of Saudi Arabia (Principle Investigator)</p> <p>Evaluation of the effect of Arugula, Lupin and Sage oils on levels of different adipokines in obese rats, Deanship of scientific research, University of King Faisal, Al-Ahsa, Kingdom of Saudi Arabia. (Co-investigator)</p> <p>Interactions between the Red palm weevil (<i>Rhynchophorus ferrugineus</i>) and its host the date palm (<i>Phoenix dactylifera</i>): a Metabolomic study, Deanship of scientific research, University of King Faisal, Al-Ahsa, Kingdom of Saudi Arabia (Co-investigator)</p> <p>Design and synthesis of novel phosphonate-containing molecules that could be used in the treatment of cancer, Deanship of scientific research, University of King Faisal, Al-Ahsa, Kingdom of Saudi Arabia. (Co-investigator)</p> <p>Subchronic administration of mitoxantrone and influence of inducing and inhibiting agents on the introduction of cardiotoxicity- A metabolite evaluation in mice, Deanship of scientific research, University of King Faisal, Al-Ahsa, Kingdom of Saudi Arabia (Co-investigator)</p> <p>Evaluating the therapeutic potential of water-soluble compounds extracted from <i>Phoenix dactylifera</i> (Date fruits) in myocardial infarction: Role of circulating progenitor cell, Date and Palm Research Center grant. (Co-investigator)</p> <p>Phytochemical study and antioxidant properties of the non-water-soluble extracts of <i>Phoenix dactylifera</i> (Date fruits) (Principle investigator, Student project)</p>
<p>Publications (Latest 20 publications)</p>	<p>Grape Seed Extract and Urolithiasis: Protection Against Oxidative Stress and Inflammation. <i>Pharmacognosy Magazine</i> 19(1). 2023.</p> <p>Born Not Made: The Impact of Six Entrepreneurial Personality Dimensions on Entrepreneurial Intention: Evidence from Healthcare Higher Education Students Sustainability 2023, 15, 2266. https://doi.org/10.3390/su15032266.</p> <p>Myrrh Essential Oil Mitigates Renal Ischemia/Reperfusion-Induced Injury Nancy S. Younis. <i>Curr. Issues Mol. Biol.</i> 2023, 45, 1183–1196. https://doi.org/10.3390/cimb45020078.</p> <p>Hypericum perforatum L. Nanoemulsion Mitigates Cisplatin-Induced Chemobrain via Reducing Neurobehavioral Alterations, Oxidative Stress, Neuroinflammation, and Apoptosis in Adult Rats <i>Toxics</i> 2023, 11, 159. https://doi.org/10.3390/toxics11020159.</p> <p>The Hepatoprotective Effect of Two Date Palm Fruit Cultivars' Extracts: Green Optimization of the Extraction Process. <i>Foods</i> 2023, 12, 1229. https://doi.org/10.3390/foods12061229.</p> <p>Anethole Pretreatment Modulates Cerebral Ischemia/Reperfusion: The Role of JNK, p38, MMP-2 and MMP-9 Pathways. <i>Pharmaceuticals</i> 2023, 16, 442. https://doi.org/10.3390/ph16030442.</p> <p>Studying the actions of sage and thymoquinone combination on metabolic syndrome induced by high-fat diet in rats. <i>European Review for Medical & Pharmacological Sciences</i>, 2023; Volume 27, Issue 6-27: 2404-2418. https://www.europeanreview.org/article/31775</p> <p>Identification of Novel Cyclooxygenase-1 Selective Inhibitors of Thiadiazole-Based Scaffold as Potent Anti-Inflammatory Agents with Safety Gastric and Cytotoxic Profile. <i>Molecules</i> 2023, 28(8), 3416. https://www.mdpi.com/1420-3049/28/8/3416</p>

	<p>Cognitive enhancing effects of pazopanib in D-galactose/ovariectomized Alzheimer's rat model: insights into the role of RIPK1/RIPK3/MLKL necroptosis signaling pathway. <i>Infammopharmacology</i>. 2023. https://doi.org/10.1007/s10787-023-01269-y .9</p> <p>Antibacterial and Antibiofilm Activity of Ficus carica-Mediated Calcium Oxide (CaONPs) Phyto-Nanoparticles. <i>Molecules</i> 2023, 28(14), 5553. https://www.mdpi.com/1420-3049/28/14/5553 .10</p> <p>Potential inhibitory effect of geraniol isolated from lemongrass (<i>Cymbopogon commutatus</i> Stapf) on tilmicosin-induced oxidative stress in cardiac tissue. <i>Natural Product Research</i>, 2023, https://doi.org/10.1080/14786419.2023.2215901 .11</p> <p>Multifunctional Spirogyra-hyalina-Mediated Barium Oxide Nanoparticles (BaONPs): Synthesis and Applications. <i>Molecules</i> 2023, 28(17), 6364. https://www.mdpi.com/1420-3049/28/17/6364 .12</p> <p>Aceclofenac/Citronellol Oil Nanoemulsion Repurposing study: Formulation, In-vitro Characterization, and In-silico Evaluation of their Antiproliferative and Pro-apoptotic Activity against Melanoma Cell Line. <i>Biomedicines</i> 2023, 11, 2531. https://doi.org/10.3390/biomedicines11092531 .13</p> <p>Bio-Stimulant for Improving <i>Simmondsia chinensis</i> Secondary Metabolite Production, as Well as Antimicrobial Activity and Wound Healing Abilities. <i>Plants</i> 2023, 12, 3311. https://doi.org/10.3390/plants12183311 .14</p> <p><i>Zingiber officinale</i> rhizome extracts mediated nanoparticles and its promising biomedical and environmental applications. https://bmccomplementmedtherapies.biomedcentral.com/articles/10.1186/s12906-023-04182-7. <i>BMC Complementary Medicine and Therapies</i> volume 23, Article number: 349 (2023). .15</p> <p>Hepatoprotective effects of linalool against liver ischemia-reperfusion: the role of Nrf2/HO-1/ NQO1 and TLR4/RAGE/NFκB pathways. <i>Eur Rev Med Pharmacol Sci</i> 2023; 27 (20): 10094-10111. https://www.europeanreview.org/article/34190 .16</p> <p>Recognizing the usage of analgesics among Saudi women with primary dysmenorrhea. <i>Signa Vitae</i> 2023 1-10. DOI:10.22514/sv.2023.126. .17</p> <p>Ameliorative effects of vanillin against pentylenetetrazole-induced epilepsy and associated memory loss in mice: The role of Nrf2/HO-1/NQO1 and HMGB1/RAGE/TLR4/NFκB pathways. <i>International Immunopharmacology</i> 129, 111657. https://www.sciencedirect.com/science/article/pii/S1567576924001759 .18</p> <p>Anethole alleviates Doxorubicin-induced cardiac and renal toxicities: Insights from network pharmacology and animal studies. <i>Chemico-Biological Interactions</i> 401 (2024) 111155. doi: 10.1016/j.cbi.2024.111155. .19</p> <p>Evaluation of the automated dispensing cabinets users' level of satisfaction and the influencing factors in Al-Ahsa hospitals. <i>DIGITAL HEALTH</i>, Volume 10: 1–11, DOI: 10.1177/20552076241264641 .20</p>
<p>Presentations and Abstracts</p>	<ul style="list-style-type: none"> Plant Transformation Technologies. Vienna, Austria, February 04-07, 2007 with poster and published abstract ● Plants for Human Health in the Post Genomic Era in Helsinki, Finland, 26-29 August 2007 with a poster and published abstract. ● Agrigenomic World Congress, Amsterdam Netherlands 29-30 September 2008 with the prize of the best poster and published Abstract. ● Oral presentation on the School of Chemistry open day conference, University of Bristol 2008 ● Accepted abstract and poster in the 5th international conference of pharmaceutical and drug industries division, National research centre, Cairo, March, 2011 ● Accepted abstract and poster in the Trends in natural products research: Phytochemical society of Europe young Scientific meeting, in Kolymvari, Crete 12-15 June 2011 ●

	<p>Oral presentation in the Faculty of Pharmacy First scientific conference, March 2011 ●</p> <p>Poster presentation in the Department of Pharmacognosy first scientific meeting ● November 2011</p> <p>Oral presentation in the 2nd Annual International Conference on Pharmaceutical ● Sciences, 5-8 May 2014, Athens, Greece</p> <p>Accepted oral presentation in 13th IUPAC International Congress of Pesticide ● Chemistry, being organized by the AGRO Division of the American Chemical Society (ACS) during August 10-14, 2014 in San Francisco.</p> <p>Accepted oral presentation in 18th International Conference on Biomedical and ● Pharmaceutical Sciences (ICBPS) Miami, USA, March 24 - 25, 2016.</p> <p>Oral presentation in the quality improvement and qualification for accreditation project ● (CIQAP) Symposium in the Faculty of Pharmacy, University of Zagazig, April 2010</p> <p>Oral presentation in the quality improvement and qualification for accreditation project ● (CIQAP) introductory conference in the main festival hall, University of Zagazig, May 2010</p> <p>Oral presentation in the quality improvement and qualification for accreditation project ● (CIQAP) Second conference in the Faculty of Pharmacy, University of Zagazig, April 2011.</p> <p>Give many workshops in the field of quality assurance, for example: workshop on the ● meaning and plan for accreditation, how to make a course specification, measuring of training impact</p> <p>Oral presentation on Certification by the Accreditation Council for Pharmacy Education ● (ACPE) in the college of Pharmacy, Zagazig University on 05/08/2014 for the QMU members</p> <p>Oral presentation on Gateway® technology: A DNA Manipulation Tool for the ● department of pharmacognosy, college of pharmacy, Zagazig University on 06/08/2014.</p> <p>Giving a training program about the self-study report according to the NCAAA ● standards, deanship of development and quality assurance, King Faisal University, 09\02\2019</p> <p>Kuwait 6th international pharmacy conference, 09-11/02/2017 ●</p> <p>Conference “Jojoba. The present and expected”, 29/11/2017 ●</p> <p>Conference “SFDA annual conference” 25-27/09/2018 ●</p>
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<p>Memberships</p>	<p>Member of the phytochemical society of Europe 2006 till present ●</p> <p>Member of the American Society of pharmacognosy 2009 till present ●</p> <p>Member of the American Chemical Society, 2012 till present ●</p>
<p>Professional services</p>	<p>Coordinator of the quality management unit, College of Clinical Pharmacy, University of Zagazig, Egypt ●</p> <p>Member of the Quality Assurance center (QAC), University of Zagazig from April 2012 until February 2013 ●</p> <p>Coordinator of the quality management unit, COCP, KFU ●</p> <p>Coordinator of the assessment committee, COCP, KFU ●</p> <p>Coordinator of Standard three subcommittee of NCAAA SSR-P in COCP, KFU ●</p> <p>Coordinator of Standard 11 Committee of SSR-I, KFU ●</p> <p>Member of the curriculum development committee, COCP, KFU ●</p> <p>Member of the steering committee of strategic planning, COCP, KFU ●</p> <p>Member of the reviewing committee of SSR-P, COCP, KFU ●</p> <p>Member of Standard 4 Committee of SSR-I, KFU ●</p> <p>Member of TK20 system committee, KFU ●</p> <p>Member Curriculum committee, KFU. ●</p> <p>Member of e-learning accreditation committee, KFU ●</p> <p>Member of Central Labs technical committee, KFU ●</p> <p>Peer reviewer in the American journal of applied chemistry and the Plant journal, PG Science publishing group. ●</p>
<p>Workshops / Seminars attended</p>	<p>Introduction to molecular biology techniques” a course of Plant Molecular Biology, in the Agriculture genetic engineering Research institute (AGERI): 27th November to 8th December 2004 ●</p> <p>Diploma in genetic engineering form scientific informatics research academy (SIRA) from 18th December 2004 to 16th February 2004. ●</p> <p>Training for one month of genetic manipulation techniques in VACSERA genetic laboratories (March 2005) ●</p> <p>Training course in: ●</p> <p>Word, Word for thesis, Excel, Advanced Excel, PowerPoint, PowerPoint for making poster, endnote, SPSS ●</p> <p>Training course in beginning your PhD ●</p>

	<ul style="list-style-type: none"> Training course in managing and completing you PhD ● Training course in bioinformatics, Zagazig University center for information technology ● 2011. Workshop on principles of Photoshop, 11 and 12/10/2015 ● Workshop on strategic planning applications in higher educations 1 and 2/12/2013 ● Workshop on peer review of classroom teaching on 06/11/2013 ● Workshop on using blackboard: skills and tools on 17 and 18/11/2013 ● Workshop on thinking engineering on 6 and 7/4/2013 ● Workshop on crating research capacity on 11-12/3/2013 ● Workshop on preparing for NCAAA accreditation on 23-24/02/2013 ● Workshop on course report on 04/03/2015 ● Workshop on quality management system on 09/03/2015 ● Workshop on learning outcomes: concepts and methods of measurement on 18 and ● 19/11/2014 Workshop on reviewing scientific researches; skills and international criteria on 17 and ● 18/2/2015 Workshop on prezi presentation on 08 and 09/02/2015 ● Workshop on Clinical pharmacy practice 2 on 24/04/2014 ● Workshop on setting up operational plans on 10 and 11/03/2015 ● Workshop on intended learning outcomes on 23/02/2015 ● Workshop on international criteria for community engagement on 23 and 24/11/2014 ● Workshop on endnote 15/02/2016 ● Workshop on “Access Pharmacy Training” 22/01/2019 ● Workshop on “self-study report” 09/02/2019 as a trainer ● Workshop on “updated Standards of NCAAA” 30/09/2018 to 01/10/2018 in NCAAA ● venue Workshop on Saudi Arabia Qualification Framework 20-22/11/2018 ● Workshop on ISO17025 18-20/12/2018 ● Workshop on Course Design 01/08/2018 ● Workshop on “Faculty member as a leader-manager: 31/07/2018 ● Workshop on “Skills of successful assessment”, 02/08/2018 ●
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	<p style="text-align: right;">Workshop on endnote 15/02/2016 ●</p> <p style="text-align: center;">Workshop on “learning outcomes and methods of measurement”, 30/07/2018 ●</p> <p>Conduction workshop on “increasing community awareness among faculty members” in ● college of computer sciences, 20/03/2018</p> <p>Conduction workshop on” Basics of community engagement at the universities”, at the ● college of Engineering, 27/03/2018</p>
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