

Faculty Portfolio

Dr. Mohamed Abdel-Atty Mohamed Rabeh

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Education:

Year of Graduation	Qualifications (Specializations if any)	University/College, Country
1991	Pharmacognosy	Egypt
2000	Master in Pharmacognosy	Egypt
2006	PHD in Pharmacognosy	Egypt

Professional experience:

Year	Positions	University/College, Country
2022	Professor	King Khalid University, College of Pharmacy, KSA
2021	Professor	Cairo University, Cairo, Faculty of Pharmacy, Egypt
2021	Dean of faculty of Pharmacy,	MTI University, Faculty of Pharmacy, Cairo, Egypt
2015	Head of Pharmacognosy Department	MTI University, Faculty of Pharmacy, Cairo, Egypt
2014	Executive director of Quality assurance center	NUB University, Beni-Sweif, Egypt
2012	Head of Pharmacognosy Department	NUB University, Faculty of Pharmacy, Beni-Sweif, Egypt
2015	Associate Professor	Cairo University, Faculty of Pharmacy, Cairo, Egypt
2006	Assistant Professor	Cairo University, Faculty of Pharmacy, Cairo, Egypt
2000	Lecturer (Master degree)	Cairo University, Faculty of Pharmacy, Cairo, Egypt

Academic/research awards:

Year/Duration of Award	Name of the Award	University/Company, Country
2019	Certificate of appreciation as “Luminous models in Egypt and the Arab world”	Egypt
2016	Certificate of appreciation for “All the efforts and support to students during the last five years”	MTI University, Faculty of Pharmacy, Cairo, Egypt

Workshops/ Trainings:

Year	Title	University/Company, Country
2019	Certified International Professional MasterTrainer	Missouri University (USA) in collaboration with Leadership & Development center- Cairo University
2014	Certified International Professional Trainer	Missouri University (USA) in collaboration with Leadership & Development center- Cairo University
2014-2022	Professional trainer for "Quality Standards in Teaching" program	Leadership & Development center- Cairo University.
2014-2022	Professional trainer for "Effective presentation skills" program	Leadership & Development center- Cairo University.
2019	"Evidence-Based Strategy in Medical Practice"	Center for Developing the Capacity of Teaching Staff and Leaders - Cairo University
2019	"Decision making and Problem solving"	Center for Developing the Capacity of Teaching Staff

		and Leaders - Cairo University
2019	"Critical Thinking"	Center for Developing the Capacity of Teaching Staff and Leaders - Cairo University
2019	"Editing the scientific text in Arabic and English language"	Center for Developing the Capacity of Teaching Staff and Leaders - Cairo University
2019	"How to write a successful animal care protocol"	Faculty of Science – Cairo University
2019	"Separation of organic compounds using column chromatography"	Faculty of Pharmacy – Cairo University.
2019	"Principles of infection control and role of Pharmacist"	Faculty of Pharmacy – Cairo University.
2014	"University Administration"	Center for Developing the Capacity of Teaching Staff and Leaders - Cairo University
2014	"The use of technology in teaching"	Center for Developing the Capacity of Teaching Staff and Leaders - Cairo University
2014	"Quality standards in the teaching process"	Center for Developing the Capacity of Teaching Staff and Leaders - Cairo University
2014	"International Publication of Scientific Research"	Center for Developing the Capacity of Teaching Staff and Leaders - Cairo University
2014	"Modern trends in teaching"	Center for Developing the Capacity of Teaching Staff and Leaders - Cairo University
2014	"Exam Systems and Student Assessment"	Center for Developing the Capacity of Teaching Staff and Leaders - Cairo University

2012	"Institutional self-evaluation of institutions of higher education"	National Authority for Quality Assurance of Education and Accreditation according to the training unit in the Authority
2010	"Academic Guidance"	Center for Developing the Capacity of Teaching Staff and Leaders - Cairo University
2010	"Risk Management, Crisis and Emergency Plan"	Training Unit of the Continuous Development and Rehabilitation Project (CIQAP), Faculty of Pharmacy, Cairo University.
2010	"Effective Presentation Skills"	Center for Developing the Capacity of Faculty Members and Leaders - Cairo University
2006	"Ethics and Profession ethics"	Faculty of Pharmacy according to the Center for Developing the Capacity of Faculty Members and Leaders - Cairo University

WORK EXPERIENCE:

Teaching assistant, Lecturer, Assistant Professor, Professor, Head of Department, Executive director of quality assurance center, International professional & Master trainer (USA), Vice Dean, & Dean of faculty of pharmacy

RESEARCH INTERESTS:

Natural products isolation, Phytochemistry, Nanotechnology,

PAPER PRESENTATIONS:

Spain, Madrid, 2013. Green nanotechnology: Anticancer activity of silver nanoparticles using *Citrullus colocynthis* aqueous extracts. Published in Advances in Life Science and Technology journal, Vol.13, PP 60-70, (2013)

Research grants:

Year/Duration of Grant	Title of the Project	Awarding Body
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1444/ one year	“Evaluation of Biocidal and Cytotoxic activity of Green Synthesized Natural Products Nanoparticles of certain plants and Sponges-Derived Actinomycetes”	King Khalid University

Publications:

1. **Effect of Phenolics from Aeonium arboreum on Alpha Glucosidase, Pancreatic Lipase, and Oxidative Stress; a Bio-Guided Approach** Published in *Pharmaceutics*, October 2023 (Impact Factor 5.4 Q1).
2. **Anti-Alzheimer Activity of Combinations of Cocoa with Vinpocetine or Other Nutraceuticals in Rat Model: Modulation of Wnt3/ β -Catenin/GSK-3 β /Nrf2/HO-1 and PERK/CHOP/Bcl-2 Pathways** Published in *Pharmaceutics*, July 2023 (Impact Factor 5.4 Q1).
3. **D-Pinitol Content and Antioxidant and Antidiabetic Activities of Five *Bougainvillea spectabilis* Willd. Cultivars** Published in *Pharmaceutics* July 2023 (Impact Factor 4.7).
4. **Phytochemical Profiling of *Maesa indica* Roxb. A. DC. and Anti-human Coronavirus 229E Activity of Its Green Sustainable Nanoparticles.** Published in *Plants* July 2023 (Impact Factor 4.658 Q1).
5. **Chemical Profile, Antibacterial, Antibiofilm, and Antiviral Activities of *Pulicaria crispata* Most Potent Fraction: An In Vitro and In Silico Study.** Published in *Molecules* May 2023 (Impact Factor 4.97).
6. **Pectin Nanoparticles Loaded Soft Coral *Nephthea* sp. Extract as In Situ Gel Enhances Chronic Wound Healing: In-vitro, In-vivo, and In silico Studies.** Published in *Pharmaceutics* July 2023 (Impact Factor 4.7).
7. **Metabolomic profiling of three *Araucaria* species, and their possible potential role against COVID-19.** Published in *Journal of Biomolecular Structure and Dynamics* Published online: 18 Feb 2021 (Impact Factor 3.549).
8. **Cytotoxic Potential of Green Synthesized Silver Nanoparticles of *Lampranthus coccineus* Extracts, Metabolic Profiling and Molecular Docking Study.** Published in *Chemistry Select* 2020, 5, 12278– 12286 (Impact Factor 1.811).
9. **HPLC-PDA-MS/MS profiling of chemical compounds of *Opuntia ficus-indica* cladodes, peel and fruits pulp extracts and its antioxidant, neuroprotective effect in aluminum**

chloride induced Alzheimer's disease in rats. Accepted in Saudi journal of Biological Sciences July 2, 2020. (Impact Factor 2.82).

10. **Chemical Composition and Antimicrobial Activity of Volatile Constituents of Cladodes, Fruits peel and Fruits pulp from *Opuntia ficus indica* (L.) Mill. (Prickly Pear) growing in Egypt.** Accepted in Egyptian Journal of Chemistry April 20, 2020. (Impact Factor 0.46).
11. **Increment of lysosomal biogenesis by combined extracts of Gum Arabic, Parsley and Corn Silk: A reparative mechanism in rats' renal cells.** Accepted in Evidence-Based Complementary and Alternative Medicine, June, 2020. (Impact Factor 2.064).
12. **The synergistic effect of biosynthesized silver nanoparticles from a combined extract of parsley, corn silk, and gum Arabic: *in vivo* antioxidant, anti-inflammatory and antimicrobial activities** Published in Materials Research Express, 4 February, 2020. (Impact Factor 1.41).
13. **Gastro-Protective and Anti-Oxidant Potential of *Althaea officinalis* and *Solanum nigrum* on Pyloric Ligation/Indomethacin-Induced Ulceration in Rats.** Published in Antioxidants, 8, 512; 2019. (Impact Factor 4.5).
14. **Survey the Genetic Diversity of Eight *Opuntia* Species from Egypt using Random Amplified Polymorphic DNA (RAPD) Technique.** Published in Journal of advanced biomedical and pharmaceutical sciences, December 21, 2019.
15. **Evaluation of anti-breast cancer activity of some edible plants cultivated in Egypt.** Published in Bioscience Research, September 12; 2019. (Impact Factor 0.737).
16. **Antiviral potential of green synthesized silver nanoparticles of *Lampranthus coccineus* and *Malephora lutea*.** Published in International Journal of Nanomedicine, 2019. (Impact Factor 4.47 (5year impact 5.029)).
17. **Promising antimicrobial activities of oil and silver nanoparticles obtained from *Melaleuca alternifolia* leaves against selected skin-infecting pathogens.** Accepted for publication in Journal of herbal medicine 14 June, 2019. (Impact Factor 1.68).
18. **Expression of P53, BAX and BCL-2 in human malignant melanoma and squamous cell carcinoma cells after tea tree oil treatment *in vitro*.** Published in Cytotechnology 71:461-473, 2019. (Impact Factor 1.46).
19. **Anti-Alzheimer and antioxidant potential of green synthesized silver nanoparticles of *Lampranthus coccineus* and *Malephora lutea* aqueous extracts.** Published in PLOS-One November 6, 2019. (Impact Factor 2.76).

20. **Eliciting callus culture for production of hepatoprotective flavonoids and phenolics from *Sequoia sempervirens* (D. Don Endl).** Accepted for publication in Natural product research, April 2019. (Impact Factor 1.928).
21. **Metabolomic profiling, HPLC investigation of phenolic constituents of *lampranthus coccineus* and *malephora lutea* aerial parts with docking study: an assessment of anticancer and antioxidant potential.** Published in Egypt. J. Biomed. Sci. Vol. 53, March, 2019.
22. **Anti-arthritic, LC/MS analysis and molecular docking of ethanolic extract of two taxodiaceae plants.** Published in Egypt. J. Biomed. Sci. Vol. 53, March, 2019.
23. **The synergistic effect of biosynthesized silver nanoparticles from a combined extract of parsley, corn silk and gum Arabic: *in vivo* antioxidant, anti-inflammatory and antimicrobial agents.** Under publication in International Journal of Nanomedicine, 2019. (Impact Factor 4.37).
24. **Nanosized Soy Phytosome-Based Thermogel as Topical Anti-Obesity Formulation: an Approach for Acceptable Level of Evidence of an Effective Novel Herbal Weight Loss Product**
International Journal of Nanomedicine, vol. 13, 307-318, 2018. (Impact Factor 4.47 (5 year impact 5.029)).
25. **Determination of flavonoids in stamen, gynoecium, and petals of *Magnolia grandiflora* L. and their associated antioxidant and hepatoprotection activities,** Published in Quim. Nova, Vol. 37, No. 4, 667-671 (2014).
26. **Biofunctional molecules from *Citrullus colocynthis*: An HPLC/MS analysis in correlation to antimicrobial and anticancer activities.** Published in Advances in Life Science and Technology, Vol. 17, pp. 51-61 (2014).
27. **Green nanotechnology: Anticancer activity of silver nanoparticles using *Citrullus colocynthis* aqueous extracts.** Published in Advances in Life Science and Technology journal, Vol.13, PP 60-70, (2013).
28. **Enhanced biocidal activities of *Citrullus colocynthis* aqueous extracts by green nanotechnology.** Accepted for publication in International Journal of Applied Research in Natural Products, Vol. 7 (2), pp. , (2014).
29. **DNA fingerprinting, chemical composition, antitumor and antimicrobial activities of the essential oils and extractives of four *Annona* Species from Egypt.** Published in Journal of Natural Sciences Research, Vol.3, No.13, (2013).
30. **Chemical composition and biological activities of essential oils of *Azadirachta indica* A. Juss.** Published in International Journal of Applied Research in Natural Products Vol. 6 (4), pp. 33-42, (2013).

31. ***Mangifera indica* peels: A common waste product with impressive immunostimulant, anticancer and antimicrobial potency.** Published in Journal of Natural Sciences Research Vol.4, No.3, (2014).
32. **Glucosinolates, glycosidically bound volatiles and antimicrobial activity of *Brassica oleraceae* var. botrytis, (soutany cultivar).** Published in Journal of Biology, Agriculture and Healthcare Vol.3, No.17, (2013).
33. **Marrubiin: a potent α -glucosidase inhibitor from *Marrubium alysson*.** Published in International Journal of Applied Research in Natural Products Vol. 7 (1), pp. 21-27, (2014).
34. **" DNA fingerprinting and botanical study of *Azadirachta indica* A. Juss. (neem) family Meliaceae.** Published in Beni-Suef University journal of basic and applied sciences Vol. 2 (2013). Powered by Scopus and Elsevier publishers.
35. **"Immunostimulat, antioxidant and antimicrobial activities & phenol and flavonoid contents of six Egyptian *Citrus* species".** EJMM vol., p123-134 October (2011).
36. **"Biologically active extractives and essential oils of four *Annona* species grown in Egypt Family Annonaceae"** presented in 3rd international scientific Conference of Faculty of Pharmacy – Cairo University April, 25/2012.
37. **"Macromorphological and micromorphological study, DNA profile and phytochemical screening of four *Annona* species grown in Egypt Family Annonaceae"** presented in 3rd international scientific Conference of Faculty of Pharmacy – Cairo University April, 25/2012.
38. **"Immunostimulant, antioxidant and antimicrobial activities, phenol and flavonoid content of six Egyptian *Citrus* species"** presented in 32nd Conference of Pharmaceutical Sciences – Egyptian Pharmaceutical Society, December 20-22/2011.
39. **"Macromorphological and micromorphological study and phytochemical screening of *Azadirachta indica* grown in Egypt family Meliaceae"** presented in 32nd Conference of Pharmaceutical Sciences – Egyptian Pharmaceutical Society December 20-22/2011.
40. **"Inhibition of α - glucosidase activity by *Marrubium alysson* constituents"** presented in 4th international Conference of Pharmaceutical & Drug Industries Division, NRC March, 3-5/2009.
41. **"Immunomodulators from natural products"** Bull. Egypt. Soc. Physiol. Sci. 26 (1) 47-60, 2006.
42. **"Analysis of certain essential oils belonging to family Asteraceae and their antimicrobial and pesticidal activities"** presented in Alexandria 2nd international Conference of Pharmaceutical Sciences & technology, October, 25-27/2000.

43. "Analysis of certain essential oils belonging to families Graminae and Lamiacea and their antimicrobial and pesticidal activities" presented in Alexandria 2nd international Conference of Pharmaceutical Sciences & technology, October, 25-27/2000.
44. "Phytochemical and biological evaluation of *Tanacetum santolinoides* and *Artemesia monosperma* family Asteraceae" presented in Alexandria 2nd international Conference of Pharmaceutical Sciences & technology, October, 25-27/2000.

GUEST LECTURES/HONOURS

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Conference attendance/presentations:

1. Attendance of the 5th international **BioMicro World Conference in Madrid - Spain** October, 2013.
2. Attendance of the "3rd international scientific Conference of Faculty of Pharmacy" – Cairo University April, 25/2012.
3. Attendance of the "32nd Conference of Pharmaceutical Sciences – Egyptian Pharmaceutical Society", December 20-22/2011.
4. Attendance and active participation of the "1st International Forum for Scientific Research" December 13-16/2010.
5. Attendance of the "1st international Conference of assurance and accreditation, between present and aims" April 15/2008.
6. Attendance of the "30th Conference of Pharmaceutical Sciences", December - 2006.
7. Attendance of the "Alexandria 2nd international Conference of Pharmaceutical Sciences & technology", October, 25-27/2000.