

**Faculty Members in
Pharmacognosy Department
- Research Projects 2023 -**



DR. OMER IBRAHIM FANTOUKH



- Head of Pharmacognosy Department- College of Pharmacy- King Saud University
- Assistant professor- Pharmacognosy Department- College of Pharmacy- King Saud University
- Consultant of Pharmaceutical Sciences in Pharmacognosy and Herbal Medicine, professionally classified and registered in Saudi Commission for Health Specialties (SCFHS). Classification No: 11RP0011871
- Supervisor of agreements and MoUs in college of pharmacy
- **E-mail Address:** Ofantoukh@ksu.edu.sa
- **Phone:** +966568298555

EDUCATION

- **Ph.D. in Pharmaceutical Sciences-** University of Mississippi Aug 2014-May 2019 (GPA: 3.97/4.00)
- Dissertation title: Safety Assessment and Chemical Fingerprint Analysis of Medicinal Plants Commonly Consumed as Herbal Teas; Rooibos (*Aspalathus linearis*) and Moringa (*Moringa oleifera*)
- **Master of health and hospital administration-** King Saud University Jan 2012-May 2013 studied for a year and a half (suspended) (GPA: 4.88/5:00)
- **Bachelor of Pharmaceutical Sciences-** King Saud University Sep 2005-Feb 2011

RESEARCH INTERESTS

- Extraction, fractionation, isolation, and purification of bioactive secondary metabolites with particular emphasis on anticancer agents and herb-drug interaction assessment
- De novo structure elucidation and characterization of natural product compounds.
- Biosynthetic pathways of chemical classes derived from natural products.
- Synthesis of natural product derivatives based on molecular docking studies.
- Development and validation of analytical methods using isolated markers and hyphenated UPLC-PDA-MS technique for chemical fingerprinting and standardization of nutraceuticals and herbal supplements.

ADDITIONAL INFORMATION:

- Member Board of Directors and cofounder, Digital Health Awareness Society (DHAS)
- Member Board of Directors, consultant, and supervisor of phytochemistry unit in Medicinal, Aromatic, and Poisonous Plants Research Center (MAPPRS)
- Member Board and the supervisory committee of executive master of drug regulatory affairs
- Associate Editor for the Saudi Pharmaceutical Journal

PEER-REVIEWED PUBLICATIONS

- <https://orcid.org/0000-0002-0262-7101>
- <https://faculty.ksu.edu.sa/en/ofantoukh>

PROF. ALI ALI HASSAN ELGAMAL



- Professor, Pharmacognosy Department, College of Pharmacy, King Saud University
- **E-mail Address:** aelgamel@ksu.edu.sa; aelgamal00@yahoo.com
- **Phone:** 0569780176

ADDITIONAL INFORMATION:

The PADI Open Water Dive, Scuba diving authority, England

EDUCATION

- Ph.D. in Pharmacognosy, Channel system between Mansoura University and Tokyo university of Pharmacy and Life Science Tokyo Japan, 1996 Title: (Phytochemical Study on *Galium sinaicum* Boiss and *Atraphaxis spinosa* L. Var. *sinaica* Boiss)
- Master of Pharmacognosy Department of Pharmacognosy, College of Pharmacy, Mansoura University, Egypt
- Title: (Pharmacognostical study on some anthraquinone containing Plants).
- Bachelor of Pharmaceutical Sciences Mansoura University, June 1985

RESEARCH INTERESTS

- Chemistry and biology of natural products, including those derived from marine sources.
- Semisynthesis of natural products.
- Natural products' relevance in chemotaxonomy
- Standardization and quality control of natural products by means of various chromatographic analytical techniques.;
- Molecular docking research;

PEER-REVIEWED PUBLICATIONS

<https://orcid.scopusfeedback.com/#/start>

PROF. ATALLAH F. AHMED



- Prof. of Pharmacognosy & Natural Products Chemistry
- Pharmacognosy Department- College of Pharmacy- King Saud University
- H-Index (2022): Scopus [27] (<https://www.scopus.com/authid/detail.uri?authorId=7403428774>); Google Scholar [31] (<https://scholar.google.com/citations?user=FmfAGzUAAAAJ&hl=en>)
- Author IDs: WoS Researcher ID: D-2381-2013; Orchid ID: 0000-0003-1224-8428; Scopus ID: 7403428774
- **E-mail Address:** afahmed@ksu.edu.sa
- **Phone:** +966547904993

EDUCATION

1. Ph.D. in Pharmaceutical Sciences- Okayama University; Dissertation title: Structure of Hydrolyzable Tannin Oligomers of Tamaricaceous Plant
2. Master of Pharmaceutical Sciences (Pharmacognosy)- Mansoura University (Egypt)
3. Bachelor of Pharmaceutical Sciences- (Pharmacognosy)- Mansoura University (Egypt); Excellent with honors grade

RESEARCH INTERESTS

1. Isolation of bioactive secondary metabolites from marine invertebrates (soft corals, sponges, and anemones).
2. Isolation of bioactive secondary metabolites from terrestrial herbs.
3. De novo structure determination of natural product compounds.
4. Recycling of biowastes to be a useful source of food supplements, dietary supplements, and fine chemicals.
5. Qualitative and quantitative HPTLC-based evaluation of herbal medicines and preparations.

ADDITIONAL INFORMATION

1. Academic Editor for Marine Drugs (Special Issue: Marine compounds and research of the Middle East)
2. Reviewers of tens of high-quality scientific journals, e.g., *Mar Drugs*, *Phytochemistry*, *J Ethnopharmacol*, *Acta Pharm Sin B*, *Biomed Pharmacother*, *Nat Prod Res*, *Bioorg Med Chem Lett*, *BMC Complement Altern Med*, *J Adv Res*, *J Food Sci*, *J Med Food*, *Medicina*, *Nat Prod Commun*, *Pharmaceuticals*, *Saudi Pharm J*, etc.
3. Visiting Professor to National Sun Yat-sen University (Dept. Marine Biotechnology & Resources), Kaohsiung, Taiwan 2016-2019.

PEER-REVIEWED PUBLICATIONS (2020-now)

<https://faculty.ksu.edu.sa/en/afahmed>

PROF. RAMZI AHMED MOTHANA



- Professor of Pharmacognosy and Herbal Medicine,
- Staff member at Pharmacognosy Department, College of Pharmacy, King Saud University
- Associate Editor for Saudi Pharmaceutical Journal
- Consultant at the MAPPRC
- E-mail Address: rmothana@ksu.edu.sa
- Phone: 011-4677256 or 0502002042

ADDITIONAL INFORMATION

- Alexander von Humboldt award 2007-2008, Germany.
- DAAD-Research award Jul 2003 to Sep 2003, Germany.
- Winner of the DAAD-Prize in Germany (1997).

EDUCATION

- Ph. D. Degree in Pharmaceutical Sciences (Pharmacognosy-Phytochemistry), Ernst-Moritz-Arndt-University (Greifswald-University) Greifswald-Germany (June,1999), with the thesis entitled "Isolation and Characterization of Antimicrobial and Antiviral Substances from the Basidiomycete *Ganoderma pfeifferi*".
- Master Degree in Pharmaceutical Sciences, Ernst-Moritz-Arndt-University Greifswald-Germany (September, 1995).
- B. Pharm. Sci., Faculty of Pharmacy, Ernst-Moritz-Arndt-University Greifswald-Germany (1994).

RESEARCH INTERESTS

- Drug discovery from nature.
- Phytomedicine and Natural Product Chemistry.
- Isolation and characterization of antimicrobial, anticancer, antioxidant and antiprotozoal compounds from natural Sources.
- Essential oils and their applications.

PEER-REVIEWED PUBLICATIONS

- Website: . <https://faculty.ksu.edu.sa/ar/rmothana>
- Ocrd ID: <http://orcid.org/0000-0003-4220-7854>
- Google Scholar: https://www.researchgate.net/profile/Ramzi_Mothana
- Research Gate: https://www.researchgate.net/profile/Ramzi_Mothana

PROF. MOHAMMED S. AL-DOSARI

- Professor of Pharmacognosy
- E-mail Address: mdosari@ksu.edu.sa
- Phone: 0114677252

EDUCATION

- Ph.D. in Pharmaceutical Sciences, University of Pittsburgh, PA, USA
- B.S. of Pharmaceutical Sciences, King Saud University, Riyadh, KSA

RESEARCH INTERESTS

- Drug discovery
- Molecular Biology
- Pharmacogenetics
- Medical Genetics

PEER-REVIEWED PUBLICATIONS

1. Parvez MK, **Al-Dosari MS**, Basudan OA, Herqash RN. The anti-hepatitis B virus activity of sea buckthorn is attributed to quercetin, kaempferol and isorhamnetin. *Biomedical Reports* 2022; 17: 89.
2. Ahmed S, Parvez MK, Zia K, Nur-e-Alam M, Ul-Haq Z, **Al-Dosari MS**, Al-Rehaily AJ. Natural anti-hepatitis B virus flavones isolated from *Stachys schimperi* Vatke growing in Saudi Arabia. *Pharmacognosy Magazine*. 2022; 18:386-392.
3. Parvez MK, **Al-Dosari MS**, Parveen S. Wastewater-based epidemiological surveillance for SARS-CoV-2. *Journal of Virology & Viral Diseases Therapy*. 2022; 1:1-7.
4. Parvez MK, **Al-Dosari MS**, Abdelwahid MAS, Alqahtani AS, Alanzi AR. Novel anti-hepatitis B virus-active catechin and epicatechin from *Rhus tripartita*. *Experimental and Therapeutic Medicine*. 2022; 23:398.
5. Parvez MK, **Al-Dosari MS**, Singh GP. Machine learning-based predictive models for identifying high active compounds against HIV-1 integrase. *SAR and QSAR in Environmental Research*. 2022; 33:387-402.

PROF. NASIR ALI SIDDIQUI



- Professor of Pharmacognosy Department, College of Pharmacy, King Saud University.
- Member of Panel of Inspectors for 'Pharmacy Council of India', a governing body for pharmacy education in India.
- Examiner of Ph. D thesis in various Universities & Research Institute of National & International repute in India.
- Consultant and evaluator for minor and major research projects in various Universities in Kingdom of Saudi Arabia.
- Research work evaluator for faculty promotion in various Universities of Kingdom of Saudi Arabia
- **E-mail Address:** nsiddiqui@ksu.edu.sa
- **Phone:** +966544016921

ADDITIONAL INFORMATION:

- I brought and grown some medicinal plants (Eg. Curcum, Mentha, Withania, Saffron, Tegetus) of commercial significance in departmental herbal garden.
- Currently working on Extract-Enrichment.

EDUCATION

- **Ph.D. in Pharmacognosy & Phytochemistry**- Jamia Hamdard, New Delhi, India in April 2007
- **Dissertation Title:** Phytochemical Investigations and Standardization of Adaptogenic Herbal Drugs.
- **Master in Pharmacognosy & Phytochemistry**- Jamia Hamdard, New Delhi, India in July 1999.
- **Bachelor of Pharmaceutical Sciences**- Jamia Hamdard, New Delhi, India in July 1997.

RESEARCH INTERESTS

- Quality control/Standardization of herbal Drugs and formulations.
- Isolation and characterization of natural compounds.
- Extraction, Extract-enrichment, Fractionation, Chromatography, Essential oils etc.
- Evaluation of Anti-oxidants, Anti-microbial, Anti-inflammatory and Anti diabetic potential.

PEER-REVIEWED PUBLICATIONS

- <https://orcid.org/0000-0003-1551-7750>
- Web of Science: Researcher ID: AEG-6107-2022

DR. RAHA SAUD ORFALI



- Director of KSU scientific journals unit.
- Associate professor- Pharmacognosy Department- College of Pharmacy- King Saud University.
- Consultant of publication, professionally registered in the Council of science editors.
- Certified coach training in research and publications field.
- Head of agreements committee for KSU scientific journals.
- **E-mail Address:** rorfali@ksu.edu.sa
- **Phone:** +966504427349

EDUCATION

- Ph.D., in Natural Science, Heinrich Heine University, Düsseldorf, Germany, 2015
- M.S., in Pharmacognosy, College of Pharmacy, King Saud University, Riyadh, KSA, 2009
- B.S., in Pharmaceutical Sciences, College of Pharmacy, King Saud University, Riyadh, KSA, 2005

RESEARCH INTERESTS

- Drug Discovery and Development from natural products
- Microbial Secondary Metabolites
- Natural Biotechnology
- Bioactive Marine Natural Products
- De novo Structure elucidation
- Microbiology
- Protein Chemistry
- Chemical Biology
- Cytotoxic Compounds
- Computational chemistry

ADDITIONAL INFORMATION:

- Visiting lecturer at Hiroshima University, Japan.
- Visiting lecturer at Bogor Agriculture University (IPB), Indonesia.
- Associate and guest editor for numerous international journals
- Hold patent No. 6758 from SAIP in 2020.

PEER-REVIEWED PUBLICATIONS

- <https://orcid.org/0000-0002-9421-4127>

DR. HANAN YAHYA AATI



- Supervisor of the Support Unit for Teaching Assistants, Lecturers and Scholarship Students- College of Pharmacy- King Saud University
- Head of Development and Quality Unit-College of Pharmacy- King Saud University
- Assistant Professor- Pharmacognosy Department- College of Pharmacy- King Saud University
- Professionally classified and registered in Saudi Commission for Health Specialties (SCFHS). Classification No: 06RP22999.
- Member of the KSU Board of Assessor.
- **E-mail Address:** hati@ksu.edu.sa
- **Phone:** 8057803
- **Office:** College of Pharmacy Female Campus Building 8, S079, S08

EDUCATION:

- **2018\2019** Doctoral degree in Natural Product Chemistry/Pharmacognostical Sciences, TU Dortmund, Germany.
- **2013** Master's degree in Pharmacognostical Sciences, King Saud University /College of Pharmacy - Riyadh, Saudi Arabia.
- **2006** Bachelor degree in Pharmaceutical Sciences, King Saud University / College of Pharmacy - Riyadh, Saudi Arabia.

RESEARCH INTERESTS:

- Natural product chemistry, isolation of plant bioactive constituents using advanced chromatographic techniques and elucidation of their structure using different chemical and spectroscopic methods.
- Isolation of essential oils from aromatic plants and analysis of their chemical compositions.
- Study of different biological activities for various active principles isolated from plants such as anti-inflammatory, anticancer, antimicrobial, antioxidant,...etc.

AWARDS:

- Best Research Award, International Research Awards on Infectious Diseases, Infectious 2021 Pencis, ID# 5152.
- King Saud University Award for Scientific Excellence, branch of graduated students, 2015.

PEER-REVIEWED PUBLICATIONS

- <https://www.researchgate.net/profile/Hanan-Ati>

DR. GADAH ABDULAZIZ AL-HAMOUD



- Assistant Professor- Pharmacognosy Department- College of Pharmacy- King Saud University.
- Member board of the Research Center for Scientific and Medical colleges-KSU (2022-present).
- Professionally classified and registered in Saudi Commission for Health Specialties (SCFHS). Classification No:10RP0314876
- **E-mail Address:** galhamoud@ksu.edu.sa
- **Phone:** 011-8058985

ADDITIONAL INFORMATION:

- 2019-present: Assistant Professor, College of Pharmacy, King Saud University, Saudi Arabia.
- 2010-2019: Teaching Assistant, College of Pharmacy, King Saud University, Saudi Arabia.

EDUCATION

- Ph.D., Medicinal Sciences, Biomedical and Health Sciences School, Hiroshima University, Hiroshima, Japan, 2019.
- M.S., Pharmacognosy, College of Pharmacy, King Saud University, Riyadh, 2016.
- B.S., in Pharmaceutical Science, College of Pharmacy, King Saud University, Riyadh, 2010.

RESEARCH INTERESTS

- Isolation and characterization of natural compounds.
- Extraction, Extract-enrichment, Fractionation, Chromatography, Essential oils etc.
- Evaluation of Anti-oxidants, Anti-microbial, Anti-inflammatory and Anti diabetic potential

PEER-REVIEWED PUBLICATIONS

- <https://www.researchgate.net/profile/Gadah-Al-Hamoud/research>

PROF. PERWEZ ALAM SHAIKH



- Professor of Pharmacognosy and Herbal medicine
- Staff member, Pharmacognosy Department, College of Pharmacy, King Saud University
- Consultant and evaluator of minor and major research projects in various Universities in the Kingdom of Saudi Arabia.
- Evaluator of the research work for the faculty promotion in various Universities of Kingdom of Saudi Arabia.
- **E-mail Address:** aperwez@ksu.edu.sa
- **Phone:** +966-551362901; 011-4677191

EDUCATION

- Ph.D. in Pharmacognosy and Phytochemistry- College of Pharmacy, Jamia Hamdard, New Delhi, India (2010).
- Master in Pharmacognosy and Phytochemistry- College of Pharmacy, Jamia Hamdard, New Delhi, India (2006).
- Bachelor in Pharmacy- College of Pharmacy, Jamia Hamdard, New Delhi, India (2004).

RESEARCH INTERESTS

- HPTLC Analysis of active constituents in medicinal plants and herbal formulations.
- HPLC Analysis of active constituents in medicinal plants and herbal formulations.
- Optimization of different extraction methods using Response surface methodology (Box-Behnken Design).
- GCMS analysis of different volatile oil used I food and pharmaceutical Industries.
- In vitro antioxidant, anticancer, and antidiabetic activities of medicinal plants, nanoparticles, as well as different herbal formulations.
- Isolation of active phytochemicals from medicinal plants using column chromatography.

PEER-REVIEWED PUBLICATIONS

- Research gate: <https://www.researchgate.net/profile/Perwez-Alam-2>
- Orchid ID: 0000-0003-0668-2236

DR. MONEERAH J. ALQAHTANI



- Assistant professor, **(June 2022 – Present)**
Pharmacognosy Department- College of Pharmacy- King Saud University
- **E-mail Address:** mjalqahtani@ksu.edu.sa
- **Phone:** +966551900439

EDUCATION

- **Ph.D. in Pharmaceutical Sciences with an emphasis in Pharmacognosy-** University of Mississippi, BioMolecular Sciences department, College of Pharmacy, Oxford, MS, United States of America (May 2022)
- **Dissertation title:** Late-Stage Diversification of Select Natural Products-New Chemical Entities with Improved Biological Activities, which entailed synthetic efforts towards natural products as a foundation for the development of novel natural product-derived analogues following a simple homologous functionalization of privileged natural product scaffolds to yield new chemical entities with improved biological properties.
- **B.S. in Pharmaceutical Sciences** with First Class Honors -King Saud University, College of Pharmacy, Saudi Arabia (January 2012)

RESEARCH INTERESTS

Dr. Moneerah's area of interest in research is natural product-based drug discovery, which encompasses synthetic modification of natural products, isolation, identification, structure elucidation, and evaluation of biologically active metabolites from natural sources.

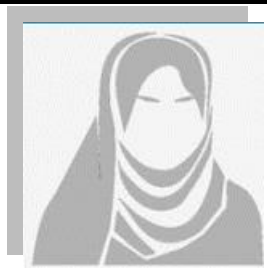
PROFESSIONAL MEMBERSHIP

- **(March 2023- present)**, Academic Accreditation Committee - Pharmacognosy Department
- **(March 2023- present)**, Educational and Academic Affairs Committee - Pharmacognosy Department
- **(January 2023- present)** Risks and Emergencies Management Team (Vice President) - College of Pharmacy
- **(October 2022- present)**, Herbal Medicine and Alternative Medicine Unit - Pharmacognosy Department
- **(September 2022-present)**, Course Management Committee- Pharmacy Education Unit, College of Pharmacy
- **(2021)** American Chemical Society
- **(2017)** The American Society of Pharmacognosy

PEER-REVIEWED PUBLICATIONS

- <https://sciprofiles.com/profile/MoneerahAlqahtani>

DR. EBTESAM SAAD ALSHEDDI



- Professor- Pharmacognosy Department- College of Pharmacy- King Saud University
- **E-mail Address:** ealsheddi@ksu.edu.sa
- **Phone:** +966555285574

EDUCATION

- PhD of Pharmaceutical Sciences (Pharmacognosy), Pharmacy College, KSU, 2009
- Master Degree in Pharmaceutical Sciences), Pharmacy College, KSU, 2000
- Bachelor's Degree in Pharmaceutical Science, Pharmacy College, KSU, 1995

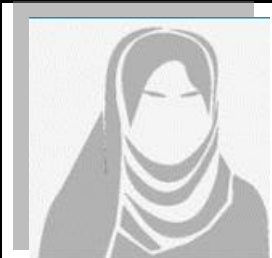
RESEARCH INTERESTS

- isolation, and purification of bioactive secondary metabolites.
- Synthesis of metallic nanoparticles using plant extracts.

PEER-REVIEWED PUBLICATIONS

- <https://orcid.org/0000-0002-4032-5630>

DR. SHAZA MOHAMMED AL-MASSARANI



- Professor- Pharmacognosy Department- College of Pharmacy- King Saud University
- **E-mail Address:** salmassarani@ksu.edu.sa
- **Phone:** +966505479198

ADDITIONAL INFORMATION:

Patencies

1. Title: Synthesis of nanoparticles using *Balanites aegyptiaca*

Deposited at USA patent office, Patent # 15287653, Deposit date:6/10/2016

2. Title: Synthesis of *Nuxia oppositifolia* n-Hexane Extract Nanoparticles

Deposited at USA patent office, Patent #10028988, Deposit date: 24/7/2018

3. Title: Synthesis of Ifflaionic Acid Nanoparticles

Deposited at USA patent office, Patent # 9974750B1, Deposit date 22/5/2018

4. Title: Green synthesis of Katonic Acid Nanosheets

Deposited at USA patent office, Patent #10086027, Deposit date: 2/10/2018

EDUCATION

- **Ph.D. (Pharmacognosy)**, Department of Pharmacognosy, College of Pharmacy, King Saud University, Saudi Arabia, 2011. Thesis title "Pharmacognostical and Biological Study of *Caralluma sinaica* Growing in Saudi Arabia".
- **M. Sc (Pharmacognosy)**, Department of Pharmacognosy, College of Pharmacy, King Saud University, Saudi Arabia, 2006. Thesis title "Pharmacognostical Investigation of *Commiphora opobalsamum* Growing in Saudi Arabia".
- **B. Sc (Pharmaceutical Sciences)**, College of Pharmacy, King Saud University, Saudi Arabia.

RESEARCH INTERESTS

- Natural Products separation and purification by different chromatographic techniques such as open column Chromatography, LC and HPLC (analytical and preparative).
- Bioassay guided fractionation.
- Structural elucidation by spectroscopic analysis techniques such as IR, UV, MS and NMR ¹H, ¹³CNMR and 2D NMR (Including H¹ HCOSY, NOESY, NOESYPH, HSQC and HMBC).
- Molecular docking studies to predict the potential pharmacological activities of isolated compounds (CADD).
- Green synthesis of nanoparticles using plant extracts and isolated compounds.

PEER-REVIEWED PUBLICATIONS

- <https://www.researchgate.net/profile/Shaza-Massara>