

ANAS ISLAM

M. Pharm (Pharmacology)

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OBJECTIVE

Pharmacology expert with an M.Pharm and pursuing Ph.D., seeking a dynamic role in academia and research. Committed to advancing pharmaceutical sciences through innovative research, teaching, and drug development. Eager to contribute to healthcare improvements and mentor future pharmaceutical professionals.

PROFESSIONAL EXPERIENCE

➤ Lecturer

- School of Pharmaceutical Sciences, Faculty of Pharmacy, Integral University Lucknow
- Since March 10, 2023.

➤ Assistant Professor

- DKRR Pharmacy Shikshan Sansthan, Sitapur.
- September 30, 2021, to October 30, 2022.

EDUCATION

Ph.D. in Pharmacy (In Progress)

Integral University, Lucknow
Since 2022

Master of Pharmacy (Pharmacology)

Integral University, Lucknow
2021

- Graduated with 81.82%, ranked 2nd in class, awarded Silver Medal.

Bachelor of Pharmacy

Integral University, Lucknow
2019

- Graduated with 76.19%.

Intermediate

GMAM Inter College, Ballia
2015

- Scored 80.40%.

High School

GMAM Inter College, Ballia
2013

- Scored 71%.

PUBLICATIONS

Patent

Islam, A., Dwivedi, D., Farooqui, A., Parthasarathi Dash, P., Mishra, A., Saraswat, N., Siddiqui, M., Singh, S. and Verma, P., 2022. *Nephroprotectant for acute kidney injury*. Patent No. DE202022101070U1.

Review Articles

- **Anas Islam**, Badruddeen, Mohammad Irfan Khan, Juber Akhtar, Asad Ahmad and Mohammad Ahmad (2023). Exploring nutritional value, phytochemical diversity, and medicinal potentials of almonds (*Prunus dulcis* Mill. D. A. Webb). *J. Phytonanotech. Pharmaceut. Sci.*, 4(1):9-19.
- Ahmad A, Akhtar J, Ahmad M, Khan MI, Wasim R, **Islam A**, Singh A. Bedaquiline: An Insight Into its Clinical Use in Multidrug-Resistant Pulmonary Tuberculosis. *Drug Research*. 2024 Jul;74(06):269-79. (**Impact Factor 1.7**)
- Manvi Singh, Mohammad Irfan Khan, Badruddeen, Juber Akhtar, Mohammad Ahmad, Gayyur Fatima, Zeba Siddiqui and **Anas Islam** (2024). GC-MS analysis of bioactive compounds, standardization, and assessment of antimicrobial efficacy of himalayan *Juniperus communis* L. stems. *Ann. Phytomed.*, 13(1):815-824. (**Impact Factor 1.7**)
- Firoj Alam, Badruddeen, Anil Kumar Kharya, Juber Akhtar, **Anas Islam**, Mohammad Irfan Khan, Mohammad Ahmad and Asad Ahmad (2023). Bile duct ligation in rat: Induction of cirrhotic cardiomyopathy and impact on cellular pathways of bile acid on cardiovascular risk factors. *J. Phytonanotech. Pharmaceut. Sci.*, 4(1):1-8.
- Ahmad Asad, Akhtar Juber, Ahmad Mohammad, **Islam Anas**, Badruddeen, Khan Mohammad Irfan, Siddiqui Shaiber, Srivastava Akash, Curcumin Nanogel Preparations: A Promising Alternative for Psoriasis Treatment, *Current Drug Metabolism*; Volume 25, Year 2024, e160524230017. (**Impact Factor 2.3**)
- Hashim Mohd, Badruddeen, Akhtar Juber, Khan Irfan Mohammad, Ahmad Mohammad, **Islam Anas** and Ahmad Asad, Diabetic Neuropathy: An Overview of Molecular Pathways and Protective Mechanisms of Phytobioactives, *Endocrine, Metabolic & Immune Disorders - Drug Targets* 2023; 23. (**Impact Factor 1.9**)
- Mohd Hashim, Badruddeen, Juber Akhtar, Mohammad Irfan Khan, Mohammad Ahmad, **Anas Islam**, Asad Ahmad and Fatima Zahra., *Journal of Phytonanotechnology and Pharmaceutical Sciences*. 2023 Sep;3(3):1-16.
- **Islam A**, Mishra A, Ahsan R, Fareha S. Phytopharmaceuticals and Herbal Approaches to Target Neurodegenerative Disorders. *Drug Research*. 2023 Jun 12. (**Impact Factor 2.2**)
- **Islam A**, Mishra A, Siddiqui MA, Siddiquie S. Recapitulation of Evidence of Phytochemical, Pharmacokinetic and Biomedical Application of Silybin. *Drug Research*. 2021 Nov;71(09):489-503. (**Impact Factor 2.2**)
- Mishra A, Ahsan R, **Islam A**, Tiwari KR and Dash PP, Hybrid nanocarriers for neurological disorders: Diagnostic & therapeutic Approach, *Recent Patents on Nanotechnology* 2022.

(Impact Factor 2)

- Siddiquie S, Ahmad AM, Ahsan F, Mahmood, Arif, Khushtar and **Islam A**, Current Phytochemical and Pharmacological Outlook of Actinidia deliciosa (Kiwi Fruit), *Current Functional Foods* 2023: e160921196538.

Book Chapters (Published)

- Sharma S, Ahmad U, Akhtar J, **Islam A**, Khan M.M, Rizvi N, The Art and Science of Cosmetics: Understanding the Ingredients, *IntechOpen* (2023). ISBN: 9781837686230. <https://doi.org/10.5772/INTECHOPEN.112925>
- Usama Ahmad, **Anas Islam**, Vazahat Ali, Regulations in Gulf Cooperation Council (GCC) countries. In: Global Regulations of Medicinal, Pharmaceutical, and Food Products. ISBN: 9781032283623.
- Shahid, A., Ahmad, U., **Islam, A.**, Ali, A., Khan, M.M. (2024). Nutraceuticals and Nanonutraceuticals Formulation for Chronic Disease – Cancer. In: Rajakumari, R., Thomas, S. (eds) Handbook of Nutraceuticals. Springer, Cham. https://doi.org/10.1007/978-3-030-69677-1_9-1
- Shahid, A., Ahmad, U., **Islam, A.**, Ali, A., Khan, M.M. (2024). Emulsion Droplet System for Delivering Bioactive Components. In: Rajakumari, R., Thomas, S. (eds) Handbook of Nutraceuticals. Springer, Cham. https://doi.org/10.1007/978-3-030-69677-1_28-1
- Siddiqui M.A., Rahman M.S., **Islam A.**, Usmani A., Ahmad U., EMODIN: ANTICANCER AGENT, *Frontiers in Clinical Drug Research - Anti-Cancer Agents*, 2022, Vol. 9, 1-39.
- **Islam A.**, Ahmad U., Faiyazuddin M., Ali A., Khan M.M., Exploring the Potential of Marine Drugs: A Patent Perspective, *Handbook of Research in Marine Pharmaceutics: Exploring Oceanic Microbial Diversity for Human Health and Wellness*, *Apple Academic Press*. ISBN:9781774917428.
- **Islam A.**, Ahmad U., Fareha S., Khan M.M, Polymer Derivatives for Drug Delivery Applications, Graft Copolymers of Polysaccharides for Drug Delivery Systems, *Apple Academic Press/Taylor and Francis Group*. ISBN:9781774919323.
- **Islam A.**, Ahmad U., Ahmad A., Khan M.M, Chitosan based graft copolymers: Synthesis and Application, Graft Copolymers for Biomedical and Tissue Engineering Applications, *Apple Academic Press/Taylor and Francis Group*. ISBN:9781774919309.
- Ahmad A., Singh A., Maheshwari S., **Islam A***, Liposomes in Cancer Therapy: Current State and Future Directions, *Liposomes Advances in Research and Applications*, *Nova Science Publishers*. ISBN:979-8-89113-636-6.
- Sharma S., **Islam A.**, Khan MM., Ahmad U. Liposomes: History, Properties, and Perspectives, *Liposomes Advances in Research and Applications*, *Nova Science Publishers*. ISBN:979-8-89113-636-6.
- **Islam, A.**, Ahmad, A., Wasim, R., Singh, A., Farooqui, A.M., Asad, Y. (2024). Therapeutic Impact of Exosomes in Stroke and Transient Ischemic Attack. In: Mishra, N., Ashique, S., Garg, A., Chithravel, V., Anand, K. (eds) Exosomes Based Drug Delivery Strategies for Brain Disorders. Springer, Singapore. https://doi.org/10.1007/978-981-99-8373-5_3

Book Chapters (In Press)

- **Islam A.**, Ahmad A., Asad Y., Badruddeen., Akhtar J., Ahmad U., Khan MI. Therapeutic Potential of Gut Microbiota in Metabolic Disorders, Applications of synbiotics in Metabolic Disorder Management, *CRC Press*.
- **Islam A.**, Ahmed A.F., Ahmad U, Nano-drug delivery in plants: Why, When, and How?, *Nanomaterials for Enhanced Plant-Based Food Production, Elsevier*.
- **Islam A.**, Ahmed AF., Singh W., Ahmad U., Ahmad A., Khan MM. Pulmonary Drug Delivery of Lipid-Based formulations via Nebulizers, *Lipids in Pulmonary Drug Delivery. Elsevier*.
- **Islam A.**, Ahmed AF., Ahmad A., Ahmad U., Asad Y. Lipid Nanocarriers for the Treatment of Gastrointestinal Inflammations, Gut-microbiota based targeting strategies for the treatment of Gastrointestinal Inflammations. *Apple Academic Press/Taylor and Francis Group*.

Books (Edited)

Usama Ahmad and Anas Islam, *Liposomes: Advances in Research and Applications*, Nova Science Publishers, Inc. (At Press), <https://doi.org/10.52305/KGMI0837>

Anas Islam and Badruddeen, *Diabetes: Novel Insights and Therapies*, Apple Academic Press (Project approved and in under processing).

RESEARCH PROJECT

Worked on the project entitled “Evaluation of the Effect of Green Synthesized Silver Nanoformulation of Silybum marianum Seed Extract Against Gentamicin-Induced Nephrotoxicity in Rats”.

SEMINARS AND WORKSHOPS

- International webinar on “Recent Advances in Cancer Therapy” on “World Cancer Day”, organized by Institute of Pharmaceutical Sciences, University of Lucknow on 4th February 2022.
- 1st National Tishk Pharmaceutical Conference (NTPC) online on “Paradigm shift in Drug Discovery and Development” Erbil, Iraq, 26-27 June 2021.
- 2nd International Conference of Indian Society of Personalized Medicine (ISPMCON): Recent Advances and Challenges (2021).
- SPARC-Indo-US Immunology Workshop (2020).

CERTIFICATION COURSES

- **Diabetes - a Global Challenge (University of Copenhagen) [2022]**
Learned about updates on cutting-edge diabetes and obesity research including biological, genetic and clinical aspects as well as prevention and epidemiology of diabetes and obesity.
- **Drug Discovery (University of California San Diego) [2022]**

Learned about the drug discovery process up to the filing of an Initial New Drug Application or IND. Understanding on how a drug is discovered in the lab before being tested in clinical trials and then launched in the market place.

- **Cancer Awareness and Therapy (Integral University) [2021]**

Completed a comprehensive 5-week Value-Added Course on Cancer Awareness and Therapy, enhancing expertise in the field of oncology.

KEY SKILLS

- **Technical skills**

Mendeley, Endnote, Zotero, GraphPad (Prism), MS Word, Excel and PowerPoint.

- **Soft skills**

Medical Terminology, Collaboration and Teamwork, Review of scientific literatures, Strong written communication skills.