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- Research area: Novel drug delivery system, Formulation of Nanoparticle, Solubility enhancement through Shilajit,
- 25 Publications, 3 Patents, 1 Books chapters,
- Advisor: 40 Master degree



Publications(current):

1. **Mohammad Dabeer Ahmad**, Virendra Singh, Mukul Singh, Mohammed Faisal Almutairi, Abdullah Faisal Al-mutairi, Nasser Faisal Alshahrani, Priya Pandey, Md Salahuddin Ansari⁸*Formulation, Optimization and Evaluation of Eudragit RL 100 nanoparticles loaded with Quercetin for its Hypolipidemic action by using Animal Model <https://jazindia.com/index.php/jaz/article/view/3186>
<https://doi.org/10.53555/jaz.v45iS1.3186>
2. **Dabeer Ahmad**, Ahsan, M.J.*; Sarwar, A.; Ali, A.; Ali, A., M.D.; Hedayatullah, M.; Salahuddin, Ahsan, M.F.; Riadi, Y. An Efficient Synthesis of Novel Semicarbazones and Their Biological Activities. *Org. Prep. Proce. Int.*, **2024**(Revision). **Impact factor: 1.5**.
3. **Dabeer Ahmad**, Iqbal Husain, Dr. Sanjeev Kumar Chaudhary, Km Rinki Devi, Mo. Suheb Ansari, Dr. Mahfoozur Rahman, Shahid Jamil. A review on Silver Nanoparticle Synthesis Methods, factors, characterization and its applications.(Preparation for communication)
4. **Mohammad Dabeer Ahmad**, Md. Shamim, Md Salahuddin Ansari*, Md Shamshir Alam, Sarfaraz Ahmad, Mohammad Sabir, Pushkar Kumar Ray, Sakshi Panwar, Mohd. Salman Antihypertensive medication use pattern in a tertiary care hospital in new delhi, india for opd visiting patients. (Communicated in Journal of Chemical Health Risks)
5. **Mohammad Dabeer Ahmad**, Thippeswamy Boreddy Shivanandappa¹*, Ghallab Alotaibi¹, Maheswari Chinnadhurai³, Sudharshan Reddy Dachani¹, Khalid Abdullah Aldaajani¹ Unveiling the Cardiovascular-Guarding Secrets of Phoenix dactylifera: A Systematic Review Journal of Young Pharmacists, 2025; 17(2):1-15. <https://www.jyoungpharm.org> Review Article, Vol 17, Issue 2, Apr-Jun, 2025
6. **Mohammad Dabeer Ahmad**, Shadab Alam^{1,2}, Mohammad Irfan Khan¹*, Aleza Rizvi³, Badruddeen⁴, Juber Akhtar⁵, Mohammad Ahmad⁴, Standardization and GC-MS Analysis of Phytochemicals in *Coccinia indica* (Wight and Arn.) Fruits *Pharmacogn. Res.*, **2025**; **17(2):1-12**. <https://www.phcogres.com>, Pharmacognosy Research, Vol 17, Issue 2, Apr-Jun, 2025

Patents(All):

1. **.Class** .24-00-Medical and laboratory equipment
Subclass- 24-01-apparatus equipment for doctors,hospitals and laboratories
articles -digital and portable automated microbiology
Design No. : 396061-001

Date : 26/09/2023

Serial No. : 148321

2. **Patent on *ot based wearable medical monitoring device* allotted application number is: 386262-001**
3. **Running title: Toxicities of Smokeless Tobacco in Rats**
Effects of Smokeless Tobacco on various vital organs of Albino Wistar Rats

Research Projects(undergoing):

Project title: Intranasal in-situ nanoliposome of lamotrigine for amelioration of epilepsy disease

- 1; **Principal Investigator** – Dr Dabeer Ahmad ; (**Co-Investigator**– S Mosuheb Ansari **Students**- MUNJIRKALAM, and MOHD .TAIYYAB); **Objectives:** Lamotrigine Nanoliposomes The primary objective of the present research work is to formulate and statistically optimize the Nanoliposomes loaded with lamotrigine through intranasal route for management of Disease.
To characterize and evaluate the above formulation.
In-situ pHsensitive mucoadhesive gel
The second objective is to convert prepared optimized Nanoliposomes of lamotrigine into *In-situ* pH sensitive gel.
To characterize and evaluate prepared optimized Nanoliposomes of lamotrigine *In-situ* Ph sensitive gel.
 - *In-Vitro* Study To evaluate Antioxidant property,
 - Nasal toxicity and drug permeation by CLSM.
 - To perform drug release and permeation study. To perform Stability studies.
 - *In-Vivo* Study To perform pharmacokinetic and pharmacodynamic studies using suitable animal models. The drug has poor aqueous solubility showed less penetration through BBB after giving through oral route. Another important objective of this work is to improve the bioavailability in brain after giving through IN route. IN

Books&/or Book Chapters(all):

1. **Computational neuropharmacology psychiatry: Addressing the gap between pathophysiology and psychopathology**, (*Book chapter 6* -“. Computational neuropharmacology psychiatry: Addressing the gap between pathophysiology and psychopathology ”), Amol D. Gholap¹, Sampada Sawant¹, Sadikali F. Sayyad², Mohammad Dabeer Ahmad³, ABM Sharif Hossain⁴, Bhupendra G. Prajapati⁵, Md. Faiyazuddin⁶,. DOI:[10.1002/9781394242474.ch6](https://doi.org/10.1002/9781394242474.ch6) (pp.159-205)

Posters, Presentations, &Conferences(recent):

1. Title, Authors, name of conf. such as,“**International Conference on Novel Paradigms in Pharmaceutical Sciences**”,abstract or publication ref. number, 9-10 March 2024, Integral University, Lucknow, India.
2. .Participated in oral presentation International Conference “**International Conference on Novel Paradigms in Pharmaceutical Sciences**” **Formulation of surface engineered**

solid lipid microparticles of Bromelain for the treatment of inflammatory bowel disease” on 9-10th March 2024, Integral University, Lucknow, UP

3. Attended the One Week National Online Faculty Development Program on “**Past to Future Trends in Pharmaceutical Innovations**” organized by DKSS-Institute of Pharmaceutical Science & Research for Girls, Swami-Chincholi, Bhigwan in association with Akhil Bhartiya Pharmacist Association (ABPA), Maharashtra State Branch during 18th to 23rd March, 2024
4. Professional Development Work shope in digital creative skill as part of **Adobe Academic essential programme**
5. Visiting CDRI(Lucknow) B.Pharm Final Year Student on 13-03-2025
6. Participated in International Conference “Globalpharma vision 2040 innovation,sustainability and access sustainability“ organized by institute of pharmacy ,institute of pharmaceutical sciences on 24th-25th february 2025 at shri ramswaroop memorial university lucknow
7. Participated in International Conference " of the High-Level Political Summit on “Advancing Political Leadership for Equitable Cancer Care” organized by Sam Higginbottom University of Agriculture, Technology and Sciences (Formerly Allahabad Agricultural Institute), Prayagraj, Uttar Pradesh, India, 211007 in collaboration with International Cancer Patient Coalition (ICPC) during February 20 to February 21, 2025.