

National Research Institute of Unani Medicine for Skin Disorders, Hyderabad

Under Central Council for Research in Unani Medicine

Ministry of Ayush, Government of India

SCIENTIST PROFILE

Name: Gulam Mohammed Husain

Designation: Research Officer (Pharmacology)

Department/Division: Pharmacology & Toxicology

Official Email: gulam.ccrum@ccrum.res.in

ORCID: [0000-0002-8527-2149](https://orcid.org/0000-0002-8527-2149)

Scopus Author ID: [26535963700](https://scopus.com/authid/detail.uri?authorid=26535963700)

Google Scholar: <https://scholar.google.com/citations?user=pJjhpFkAAAAJ&hl=en>



1. Professional Profile / About the Scientist

Pharmacologist with **15 years of experience in the pharmacological and toxicological evaluation of traditional medicines**. Possesses extensive academic training in **basic and clinical pharmacology**, complemented by strong interdisciplinary experience in **academia, research, and industry**. Highly motivated and committed to advancing **evidence-based pharmacological research**, with a strong focus on the scientific evaluation, safety, and efficacy of traditional medicines.

2. Educational Qualifications

Degree/Qualification	Specialization	University/Institution	Year
Ph.D.	Pharmacology	IIT(BHU), Varanasi	2011
M.Pharm.	Pharmacology	IT-BHU, Varanasi	2007
B.Pharm.	Pharmaceutical Sciences	Kumaun University, Nainital, Uttarakhand	2005
One-year Certificate in Persian	Persian	Banaras Hindu University	2010
Two-year UG Diploma in Arabic	Arabic	Banaras Hindu University	2009

3. Areas of Specialization

- Pharmacology
- Preclinical Drug Evaluation
- Regulatory Toxicology

4. Research Interests

- Pharmacological evaluation of Unani medicines
- Toxicological evaluation of traditional medicine
- Herb-drug interaction studies
- Evidence-based validation of traditional medicines

5. Research Projects

S.No.	Project Title	Role (PI/Co-PI/ Investigator)	Funding Agency	Duration	Status
1.	Evaluation of a Classical Unani Formulation for Putative Anticancer Activity.	PI	CCRUM IMR	Two Years	Completed
2.	Preclinical efficacy and safety of a polyherbal Unani Formulation for Dengue	PI	CCRUM IMR	Two Years	Completed
3.	Evaluation of Anti-inflammatory Activity of Unani Formulation(s) – An <i>in vitro</i> and <i>in-vivo</i> Study.	Co-I: 2023 IMR Project	CCRUM IMR	Two Years	Completed
4.	Study on the effect of Unani formulation(s) used for treatment of bars (vitiligo) on melanocytes: an <i>in-vitro</i> mechanistic approach.	Co-I: 2023 IMR Project	CCRUM IMR	Two Years	Completed
5.	To develop Unani Aahar 'Energy Dense Nutritional Supplementation (EDNS)'.	PI	CCRUM IMR	Three Years	Ongoing
6.	Evaluation of antiviral potential of Unani formulations against Dengue and Chikungunya viruses: an exploratory study.	PI	CCRUM IMR	Two Years	Ongoing
7.	Evaluation of Drug Interaction Potential of Majoon-e-Dabeed-ul-Ward with Atorvastatin and Qurs-e-Ziabetus Khaas with Metformin.	PI	CCRUM IMR	Three Years	Ongoing
8.	Evaluation of <i>Mundij-i-Balgham</i> and <i>Mushil-i-Balgham</i> Unani Formulations in Cerebral Ischemic Stroke.	Co-I	CCRUM EoI	Two Years	Ongoing
9.	Pharmacokinetic interaction of Majoon Najah with combination of (Carbidopa + Levodopa) and neuroprotective potential of Majoon Najah in haloperidol induced Parkinson's disease.	Co-I	CCRUM IMR	Two Years	Ongoing
10.	Elucidation of Molecular Mechanism Associated with Skin Pigmentation Effect of UNIM-007 with respect to Standard Allopathic Therapy in Two Different Mice Model of Vitiligo.	Co-I	CCRUM IMR	Three Years	Ongoing

6. Major Scientific Contributions / Achievements

1. First faculty in Pharmacology & Toxicology at NIPER-Raebareli and established Pharmacology and Toxicology laboratories at NIPER Raebareli in 2012.
2. Upgraded the preclinical research infrastructure at CCRUM-CRIUM Hyderabad with financial support from Ministry of Ayush in 2014.
3. Performed Pharmacological & toxicological evaluation of more than 40 single /compound Unani formulation(s).

7. Publications & Scholarly Contributions

Category	Number / Details
Research Publications	60
Book Chapters	03
Books/Monographs	05
Patents / Technology / Products	01
Conference Presentations	20

Selected Publications (5–10):

1. **Husain GM***, Kodavath D, Ahmad T, Munshi YI, Urooj M. Repeated dose 90-day oral toxicity study of Kushta-e-Faulad: A traditional Unani hematinic agent. *International Journal of Pharmaceutical Investigation*. 2026; 16(3):1032-1038.
2. Joweria S, Viqar U, Zakir M, Urooj M, **Husain GM***. Antidepressant and anxiolytic activity of Safoof-i Sawda: A polyherbal Unani formulation in rats. *Ars Pharmaceutica*. 2026; 67(1):55-65. doi: 10.30827/ars.v67i1.34403
3. **Husain GM***, Raja SS, Vinay E, Urooj M, Dwivedi DK, Anjum N, Munshi YI, Ahmad T. Exploring Anticancer Potential of Aqueous, Hydroethanolic and Methanolic Extract of an Age-old Unani Formulation. *Journal of Natural Remedies*. 2025;25(3):551-565.
4. Ahmed T, Vinay E, Naikodi MAR, Siddiqui JI, Dwivedi DK, Munshi YI, Viqar U, **Husain GM***. Blood Glucose-Lowering Activity of Compound Herbo-Mineral Unani Formulation Qurs-e-Ziabetus in Nicotinamide-Streptozotocin-induced Diabetic Rats. *Natural Resources for Human Health*. 2025;5(1):156-170. doi:10.53365/nrfhh/199578.
5. Tanveer FJ, Naikodi MAR, Viqar U, Zakir M, Urooj M, Husain MK, Munshi YI, **Husain GM***. Standardization and evaluation of the antiulcer potential of a traditional polyherbal formulation in experimental animals. *Annals of Phytomedicine*. 2024;13(1):656-666.
6. Shaikh M, Urooj M, Viqar U, Javed G, Kazmi MH, **Husain GM***. Effect of Majoon-e-Nisyan (a traditional polyherbal Unani formulation) in animal models of learning and memory. *Traditional & Kampo Medicine*. 2024;11(1):22-29.
7. Potnuri AG, Reddy KP, Suresh P, **Husain GM**, Kazmi MH, Harishankar N. Obesity Potentiates the Risk of Drug-Induced Long QT Syndrome - Preliminary Evidence from WNIN/Ob Spontaneously Obese Rat. *Cardiovascular Toxicology*. 2021 Oct;21(10):848-858.
8. Sudharma AA, Siginam S, **Husain GM**, Mullanpudi SV, Ismail A. Atrophic remodeling of the heart during vitamin D deficiency and insufficiency in a rat model. *Journal of Nutritional Biochemistry*. 2023 Sep;119:109382.
9. Qureshi MA, **Husain GM**, Urooj M, Khan MA, Husain M, Kazmi MH. Preclinical Safety, Anxiolytic and Antidepressant Activity of Sufoof Jawahar Mohra: A Unani Formulation. *Advances in Integrative Medicine*. 2021;8(2):114-121. <https://doi.org/10.1016/j.aimed.2020.06.003>
10. **Husain GM***, Nadeem M, Javed G, Urooj M, Alam M, Reddy MA, Kazmi MH. A traditional poly-herbal formulation improves cognitive function in C57BL/6 mice. *Ars Pharmaceutica*. 2021;62(1):6-14.

8. Awards, Honours & Recognitions

- “**Best Published Research Paper (Pre-clinical Research)**” appreciation at **Vigyan Bhawan**, New Delhi on the occasion of Unani Day-2025, on 11th February 2025.
- ‘National Award - 2019’ conferred by ‘Ashraf Memorial Society’ Hyderabad.
- ‘Best Performance’ in Pharmacology for the year 2014-15 by CRIUM Hyderabad.
- 1st Rank in B.Pharm at Kumaun University, Nainital, Uttarakhand, India (2005 batch).
- All India Rank-95th in the Graduate Aptitude Test in Engineering (GATE; Pharmacy).

9. Professional Memberships / Fellowships

- Registered Pharmacist, UP State Pharmacy Council
- Life Member, Indian Pharmacological Society (Membership No. LH-50)
- Life Member, Laboratory Animal Scientist’s Association (India) (Membership No. 477)
- Life Member, Laboratory Animal Science Association of India (Membership No. 713)