

DR. ASHFAQ AHMAD SHAH

PG, PhD - Microbiology – (Infection Immunity)

☎ +91-7889376083 | ✉ dr.ashfaq.ah.shah@gmail.com

📊 H-index: 7 | Citations: 200+



- ORCID: <https://orcid.org/0000-0002-3787-8701>
- SCOPUS: <https://www.scopus.com/authid/detail.uri?authorId=57222731775>
- Web of Science: <https://www.webofscience.com/wos/author/record/3601322>

CURRICULUM -VITAE

DR. ASHFAQ AHMAD SHAH

Objective

Dedicated and accomplished with a proven track record of excellence in teaching, research, and service. Seeking a challenging position in a reputable institution where I can contribute to the academic community through innovative teaching methods, impactful research, and active participation in the institute's initiatives. Demonstrated expertise in **Infection Immunity, Pharmacognosy, Antimicrobial Resistance (AMR), Bacteriology, Mycology, and host-pathogen interactions**, with research contributions indexed in Scopus, WOS and SCI databases.

Education

PhD Microbiology (Specialisation: Infection Immunity)

From Graphic Era (Deemed to be) University (01-01 2020 to 02-04-2025)

PG Microbiology (Specialisation: Medical Microbiology)

From Hemvati Nandan Bahuguna Garhwal University (2017-2019)

Bachelor of Education (B.Ed.) (Specialisation: Guidance and Counselling)

From Kashmir University (2015-2017)

Bachelor of Life Sciences (Specialisation: CBZ)

From Kashmir University (2011-2014)

Skills\ Specialization

MY area of interest lies in pre-clinical and clinical studies in the fields:

**MEDICAL MICROBIOLOGY, IMMUNOLOGY AND
PHARMACOGNOSY**

- Isolation & identification of clinical pathogens
- Antimicrobial susceptibility testing (AST).
- Study of AMR genotypes
- Exposure to bacteriology and infection-related diagnostics
- Extraction of secondary metabolites from Microbes and Bioactivities thereof.
- Scrutiny of Bioactive compounds from Microbes and their analysis via contemporary hyphenated techniques.
- Study of antimicrobial properties of novel compounds, antimicrobial resistance studies (Bacteriology/Mycology).
- Immune-modulatory activities: Immune response studies, Vaccine adjuvant development, Anti-inflammatory activities. Disease model studies, Cytotoxicity (Immunology) Studies on Cell Lines
- Bio-analytical analysis of Phytocompounds (Pharmacognosy) and Mycocompounds via FTIR, GC-MS, HPLC
- Proficient in high-throughput sequencing data analysis and genomic sequence alignment using BLAST tools to identify and characterize biological sequences.

Experience

PI MEDICAL MICROBIOLOGY:

Principal investigator to the research project entitled “Prevalence and Antibiotic Susceptibility Pattern of Enterococcus Species and Assessment of the Prevalence of vanA genotype among VRE from various clinical samples” at SKIMS Medical College, Srinagar-(2018-19). (Certificate enclosed)

▪ **ASSISTANT PROFESSOR:**

Assistant Professor of Microbiology (Immunology), Graphic Era (Deemed to be University) – **28-06- 2023 to 30-05- 2024.** (Certificate enclosed)

- **TUTOR/DEMONSTRATOR :**
(Medical Microbiology and Immunology) Graphic Era (Deemed to be University) – (01-01- 2020 to 27-06- 2023). (Certificate enclosed)
- **TUTOR NEET BIOLOGY :**
Success Point Coaching Centre (01-06- 2024 to 15-03- 2026). (Certificate enclosed)
- **COLUMN EDITOR**
Kashmir glacier and Kashmir pen weekly Magazines (Infectious Diseases)

Abilities

- Teaching Microbiology, Immunology, and related Subjects.
- Conducting and publishing Microbiology research in journals of national and international repute.
- Collaborating with colleagues on research projects, contributing effectively to multidisciplinary teams.
- Building and maintaining positive relationships with students, fostering an inclusive and supportive learning environment.
- Successfully communicating complex ideas to individuals with varying levels of expertise, ensuring comprehension and engagement.
- Excellent communication and interpersonal skills.
Strong organisational and time-management abilities.

Communication

- Proficient in delivering lectures, seminars, and presentations to diverse audiences, ensuring clarity of concepts and promoting active student participation.
- Facilitating constructive discussions that encourage Critical thinking and intellectual exploration.

- Demonstrated proficiency in scholarly writing through the publication of research articles in reputable peer-reviewed journals.
 - Developing and delivering clear and comprehensive course materials, including syllabi, lecture notes, and assignments.
-

Academic Distinction

- **Young scientist award:** ESRA International Conference-
 - **Best poster award:** MAESASS International Conference 202
 - **Covid-19 innovation award-E-RRADICATE -2020**
-

Conferences Attended

- ❖ **MICROS 2024-Organising** member and Poster presentation
- ❖ **ESRA 2023-Oral presentation -Young scientist award**
- ❖ **6th world congress on disaster management 2023-Paper Presentation**
- ❖ **NCHSE 2023- Organizing member**
- ❖ **ICME-2023- Organizing member**
- ❖ **MAESASS-2023-Best poster presentation award**
- ❖ **GAASFSL-2023-Poster presentation**
- ❖ **UCOST Congress 2022-Poster presentation**
- ❖ **2nd Indian analytical congress-2022-Published two papers (IF-1.4)**
- ❖ **GSBTM, DST,INDIA -(1W-Faculty development program)-2022**
- ❖ **Microbiologists Society, India-Int. Conference-Paper presentation**
- ❖ **Resource management conference 2021-Poster presentation**
- ❖ **CSTSM-2021- Published one Paper (Scopus-indexed)**
- ❖ **Research Ethics-5-day faculty development program [FDP-2021]**
- ❖ **Microbiology Society india-FDP-2020- 1-month certification course**

Patents and innovations

1. *Venturia inaequalis* secondary metabolites as potent anti-candida (App. No 202311040316)

2. *Malus domestica* var Maharaji peel phenolics as antidots of hepatomegaly (App. No. 202311066846)

DETAILS OF PUBLICATIONS



WOS/SCI/ESCI Research Papers (with impact factor)

- **Shah, A.A.**, Pandey, N., Rai, N. *et al.* Exploring the Anti-inflammatory and Anti-arthritic Potential of *Malus* Peel Phenolics: A Comprehensive Comparative Analysis of 'Royal Delicious,' 'Delicious,' 'Golden Delicious,' and 'Maharaji' Cultivars from Kashmir, India. *Applied Fruit Science* **67**, 20 (2025). <https://doi.org/10.1007/s10341-024-01240-3>
- **Shah AA**, Singh S, Saini S, Pundir A, Saxena K, Gupta A. A Perusal of Phenolics Within Polar Peel Fractions of *Malus domestica* var Maharaji via Hyphenated Techniques Cum Anti-microbial with REMA and Tyrosinase Inhibitory Potential thereof. *J Pure Appl Microbiol.* 2023;17(4):2215-2231. doi: 10.22207/JPAM.17.4.19



Conference Proceedings Research Papers (Scopus)

- **Ahmad Shah, A.**, & Gupta, A. (2022). *Venturia inaequalis* post-infection enhancement of secondary metabolites in the peels of delicious apple variety. *Materials Today: Proceedings*. <https://doi.org/10.1016/j.matpr.2022.09.508>
- Sutariya, S., **Ahmad Shah, A.**, Bajpai, A., Sharma, R. J., Pandhurnekar, C. P., & Gupta, A. (2022). Fourier transform infrared spectroscopy (FTIR) analysis, antioxidant and anti-inflammatory activities of leaf and fruit extracts of *Gymnosporia montana*. *Materials Today: Proceedings*. <https://doi.org/10.1016/j.matpr.2022.09.462>

SCOPUS Research and Review Papers

- **Ashfaq A Shah**, Syed Khursheed, Aadil Rashid, Amit Gupta, 2022. Isolation, Identification, Speciation, and AntibioGram of *Enterococcus* species by conventional methods and Assessment of the Prevalence of vana genotype among VRE. *Journal of Medical. Pharmaceutical and Allied Science*. V 11- I 4, Pages – 5037 - 5044. Doi: 10.55522/jmpas. V11I4.2367
- **Shah, A. A.**; Rashmi, K.; Kumar, V.; Kumar, N.; Gupta, A. An overview of immunological response, anti-viral therapy and vaccine development against severe acute respiratory syndrome coronavirus (Sars-cov)-2 *International Journal of Current Research and Review ; 13(6 special Issue):74-80, 2021.*
- **Shah, A.A.**, Gupta, A. (2022). Antioxidants in Health and Disease with Their Capability to Defend Pathogens that Attack Apple Species of Kashmir. In: Ekiert, H.M., Ramawat, K.G., Arora, J. (eds) *Plant Antioxidants and Health*. Reference Series in Phytochemistry. Springer, Cham. https://doi.org/10.1007/978-3-030-78160-6_13
- **Ashfaq Ahmad Shah**, Amit Gupta, Viral cell annexation strategies: Cell surface receptor interfaces, infection, and host range, Editor(s): Awanish Kumar, Kumud Pant, In *Developments in Applied Microbiology and Biotechnology, Pathogenic Viruses and Armamentarium Design*, Academic Press, 2024, Pages 43-62, <https://doi.org/10.1016/B978-0-443-15241-2.00003-X>.
- **Shah A. A.**, Rehman A. U, Kapoor S, Kaur H, Rohilla B, Bajpai A. B, Gupta A. GC-MS Analysis of Phytoactive Compounds, Antioxidant and Antibacterial Activity of *Citrullus lanatus* Seeds. *Biomed Pharmacol J* 2023;16(1).

- Amit Gupta, **Ashfaq Ahmad Shah**, Akshita Rawat, Tanvi Parihar, Yashaswi Singh, Neha Pandey, Vijay Kumar, 2023. Relative Free Radical Scavenging, Tyrosinase Inhibitory, and Anti-Inflammatory Potential of the Polar Peel decoctures of distinct Malus Species indigenous to Kashmir. Journal of medical pharmaceutical and allied sciences, V 12 - I 4, Pages - 5911 – 5920. Doi: <https://doi.org/10.55522/jmpas.V12I4.4400>
- **Ashfaq A Shah**, Vijay Kumar, Amit Gupta, 2021. Immunomodulation via Phyto active compounds a promising therapy for future medical system. Jour. of Med. P'ceutical & Allied. Sci. V 10 - S 2, 2036, P - 120-125. doi:10.22270/jmpas. 2021. V10S2.2036
- **Shah, A.A.**, Gupta, A. (2023). Secondary Metabolite Basis of Elicitor- and Effector-Triggered Immunity in Pathogen Elicitation Amid Infections. In: Singh, R., Kumar, N. (eds) Genetic Manipulation of Secondary Metabolites in Medicinal Plant. Interdisciplinary Biotechnological Advances. Springer, Singapore. https://doi.org/10.1007/978-981-99-4939-7_10
- **Ashfaq Ahmad shah**, Khan Samarah, Kashyap Khushi, Rawat Aman, Kumar Vijay, Gupta Amit, 2022. Comparative assessment of phytochemical content and antioxidant activity of mentha arvensi procured from Summit and Rivulet. Journal of Medical Pharmaceutical and Allied Science V 11 - I 4, Pages – 5075 - 5084. Doi: 10.55522/jmpas. V11I4.2461
- **Shah, Ashfaq Ahmad**, et al. "Role of Polyherbal Formulations of Medicinal Plants from Himalayan Regions in the Management of Diabetes." In *Innovative Approaches for Nanobiotechnology in Healthcare Systems*, edited by Touseef Amna and M. Shamshi Hassan, 212-229. Hershey, PA: IGI Global, 2022. <https://doi.org/10.4018/978-1-7998-8251-0.ch007>
- **Shah, Ashfaq Ahmad**, and Amit Gupta. "Phytochemicals and Novel Nanotherapeutic Approaches in the Management of Rheumatic Diseases." In *Innovative Approaches for Nanobiotechnology in Healthcare Systems*, edited by Touseef Amna and M. Shamshi Hassan, 249-266. Hershey, PA: IGI Global, 2022. <https://doi.org/10.4018/978-1-7998-8251-0.ch009>
- **Shah, Ashfaq Ahmad**, and Amit Gupta. "Encapsulation of Flavonoids in Nanocarriers: A Novel Strategy to Enhance Their Bioefficacy and Oral Bioavailability." In *Innovative Approaches for Nanobiotechnology in Healthcare Systems*, edited by Touseef Amna and M. Shamshi Hassan, 267-283. Hershey, PA: IGI Global, 2022. <https://doi.org/10.4018/978-1-7998-8251-0.ch010>
- **Shah, A.A.**, Gupta, A. (2023). Nanocarriers: Potential Vehicles for Managed Delivery of Bioactive Compounds in Therapeutics. In: Soni, R., Suyal, D.C., Morales-Oyervides, L. (eds) Microbial Bioactive Compounds. Springer, Cham. https://doi.org/10.1007/978-3-031-40082-7_8
- Ajam C. Shaikh, **Ashfaq A. Shah**, Amit Gupta; Nanocarriers: Promising Vehicles for Controlled Bioactive Drug Delivery in Current Medical System, Medicinal Plants: Microbial Interactions, Molecular Techniques and Therapeutic Trends (2023) 1: 311. <https://doi.org/10.2174/9789815136838123010020>
-



UGC care journal Review articles

- **Ashfaq Ahmad Shah** et al., 2020. Parkinson's Disease: An Introduction to the Causes and Management Strategies International Journal of Pharmaceutical Research. | Vol 12 (4).
- **Ashfaq Ahmad Shah**, Amit Gupta Multiple Drug Resistance In Pathogens: A Surging Public Health Concern Imperative To Scrutinize Ilkogretim Online - Elementary Education Online, 2021; Vol 20 (Issue 4): pp.4441-4451. doi:10.17051/ilkonline.2021.04.478
- **Ashfaq Ahmad Shah**, Soumyojit Bose, Muskan Rawat, Amena Ali , Amit Gupta*, Mr Amit Kumar Mishra. Appropriate Commencement, Perpetuation, and Abstinence of Commonly Subsumed SSRIs, SNRIs, and TCAs Imperative in the Management of Panic Disorder an overview. Webology, 18: 2, 2021. [10.29121/WEB/V18I2/46](https://doi.org/10.29121/WEB/V18I2/46)
- Amit Gupta, **Ashfaq Ahmad Shah**, Avnish Chauhan Paralysis Agitans: An Assessment Of The Determinants And Therapeutic Tactics. Ilkogretim Online - Elementary Education Online, 2021; Vol 20 (Issue 2): pp. 2679-2690. doi: [10.17051/ilkonline.2021.02.284](https://doi.org/10.17051/ilkonline.2021.02.284)
- **AA Shah**, A Gupta (2020). A proper initiation, duration and cessation of currently incorporated ssris, snris, and tcas

critical in the management of panic disorder-an overview international journal of management (ijm), 11-112.

- **Ashfaq Ahmad Shah**, Ramsha Zubi, Shikha Thakur, and Priya Chamoli, Modern Biotechnology Ventures to Accomplish the Targets of Zero Hunger and Adequate Nutrition. International Journal of Environmental Chemistry. 2025; 11(01): 1-14p.



Book chapters

- Intervention of Nanotechnology as a Tool for Enhanced Renewable Energy Application in the Field of Solar Power Harnessing *Environmental Security and Sustainable Development* 2022-01-24 | book-chapter *Part of ISBN: [978-93-88854-89-4](#)*
- Nanotechnological Approaches to Improve Water Treatment Process *Environmental Security and Sustainable Development* 2022-01-24 | book-chapter *Part of ISBN: [978-93-88854-89-4](#)*
- Potential of Phytochemicals in Confronting COVID-19: A Promising Approach *COVID -19 Problems and Solutions in Multidisciplinary Dimensions* 2021-10-30 | book-chapter *Part of DOI: [10.22271/ed.book.1343](#) Part of ISBN: [978-93-91538-83-5](#)*
- Potential Societal Benefits and Applications from Future Environmental Biotechnological Products *New dimensions of Environmental Biology* 2021-10-25 | book-chapter *Part of ISBN: [978-93-88854-85-6](#)*
- Potential Application of Macrofungi in Phytomedicine: An overview *Biochemistry and Therapeutic Applications of Medicinal Herbs* 2021-09-14 | book-chapter *Part of ISBN: [978-93-88854-](#)*
- Potential of Benign Phytochemicals In the Management of Cancer *Biochemistry and Therapeutic Applications of Medicinal Herbs* 2021-09-14 | book-chapter *Part of ISBN: [978-93-88854-](#)*
- Reveiw of Some Important Medicinal Plants having Impact on Body Physiological Functioning and Used as Potential Therapeutic Agents *Biochemistry and Therapeutic Applications of Medicinal Herbs* 2021-09-14 | book-chapter *Part of ISBN: [978-93-88854-](#)*
- Promotion of Science and Technology in Agriculture sector of Rural areas in India. *Science and Technology Applications In Rural Areas* 2020-05-05 | book-chapter *Part of ISBN: [ISBN 978-81-944874-0-1](#)*

DECLARATION:

I certify that the information provided above is true and complete to the best of my knowledge. I am aware that this self-declaration statement is subject to review and verification.

REFERENCE

Dr. Amit Gupta

Associate professor, University of Jammu, India.

Email address- dr.amitgupta.bt@geu.ac.in

Contact: 8308881506