Curriculum Vitae

Dr. Javid Ahmad Banday; M.Sc., Ph.D.

Professor & Ex-Head
Department of Chemistry
Associate Dean Research & Consultancy
National Institute of Technology,
Hazratbal, Srinagar-190006, J&K, India.
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Education and Employment:

1992 - M.Sc., University of Kashmir, J&K, India *in* Chemistry.

2012 - Ph.D., University of Kashmir/IIIM Jammu, J&K, India *in* Chemistry on ñStudy on Chemistry of some Medicinal Plants of Kashmir Himalayasò.

2000 - Lecturer, Department of Chemistry, National Institute of Technology, Srinagar.

2007 - Senior Lecturer, Department of Chemistry, National Institute of Technology, Srinagar.

2013 - Assistant Professor, Department of Chemistry, National Institute of Technology, Srinagar.

2018 - 2022- Associate Professor, Department of Chemistry, National Institute of Technology, Srinagar.

2022 - Professor, Department of Chemistry, National Institute of Technology, Srinagar.

Specialization:

- **Organic Chemistry**

Research Interests:

- **Chemistry of Natural Products**
- **Essential Oils**
- **Medicinal Chemistry**
- **Synthetic Organic Chemistry**

Administrative Positions held at Institute Level:

- **Associate Dean Research & Consultancy** NIT Srinagar, 2021 till date.
- **Member Senate** National Institute of Technology, Srinagar, since 05.09.2003 to 2018.
- Member of **Library Committee**, National Institute of Technology, Srinagar, since 05.09.2003 to 2018.
- Member of **INDEST consortium group**, Library and Information Resource Centre, National Institute of Technology, Srinagar, since 05.09.2003 to 2018.
- Member of **Annual Report Committee** of National Institute of Technology, Srinagar for year 2011-12 and 2012-13.
- Member of **Planning and Development Committee**, National Institute of Technology, Srinagar.
- Member of **Central Purchase Unit (CPU)**, National Institute of Technology, Srinagar up to 2018.

Administrative Positions held at Departmental Level:

- **Head, Department of Chemistry**, National Institute of Technology Srinagar since October-2018 to October-2020.
- Convener Departmental Postgraduate Committee (DPGC) Department of Chemistry, Institute of Technology, Srinagar since 2020 to 2022.
- Convener Departmental Undergraduate Committee(DUGC)Department of Chemistry, Institute of Technology, Srinagar since 2022 to till date.
- Ph. D Coordinator, Department of Chemistry, Institute of Technology, Srinagar since 2023 to till date.
- Chairman **Board of Studies**, Department of Chemistry, National Institute of Technology, Srinagar since October-2018 to October-2020.
- Chairman **Departmental Research Committee (DRC)**, Department of Chemistry, National Institute of Technology, Srinagar since October-2018 to October-2020.
- Chairman **Departmental Counseling Committee (DCC)**, Department of Chemistry, National Institute of Technology, October-2018 to October-2020.
- Chairman **Departmental Monitoring Committee (DMC)**, Department of Chemistry, National Institute of Technology, Srinagar since October, 2018 till date.
- Member of **Board of Studies**, Department of Chemistry, National Institute of Technology, Srinagar.
- Member of **Departmental Research Committee (DRC)**, Department of Chemistry, National Institute of Technology, Srinagar.

- ❖ Member of **Departmental Counseling Committee (DCC)**, Department of Chemistry, National Institute of Technology, Srinagar.
- ❖ Member of **Departmental Monitoring Committee (DMC)**, Department of Chemistry, National Institute of Technology, Srinagar.
- ❖ In Charge Natural Product Research Laboratory.
- ❖ Designated Courses for M. Phil/Ph. D programmes running in the Department.
- ❖ **In-charge Time Table**, Department of Chemistry, National Institute of Technology, Srinagar (2000-2014).

Professional Involvement:

Editorial Board Member

- ➢ The Journal of Phytopharmacology - International.
- ➢ Advances in Biomedicine and Pharmacy - International.

Reviewer of journals:

- ➢ Natural Product Research (Taylor and Francis) - International.
- ➢ Fitoterapia (Elsevier) - International.
- ➢ Separation Science and Technology (Elsevier) - International.
- ➢ The Journal of Phytopharmacology - International.
- ➢ Bulgarian Journal of Chemistry - International.
- ➢ Drug Research - International.
- ➢ Chemistry Africa.

Teaching Experience:

- **22 years**

Supervision:

- ✓ Ph. D under supervision **09**
- ✓ Ph. Ds Awarded **05**
- ✓ Near Submission **03**
- ✓ M. Phils Supervised **02**
- ✓ M. Sc. Dissertations **04**

Sanctioned R&D Projects:

S. No.	Title	Funding Agency	Scheme	Role	Amount (in Lac)	Status
1	Synthesis of Natural Product Based Polymer Composites as Potent Anti-microbial Entities	JKST&IC DST J &K	Sponsored Research & Extension	PI	**8.80**	On going
2	Exploring Natural Products for the Development of Potent Cytotoxic Agents	SERB-DST India	TARE	Mentor	**18.30**	Completed
3	Synthesis of Novel and Biologically Active Spiroketal-Natural Products and their Scaffolds for Drug Development	SERB-DST India	TARE	Mentor	**18.30**	On going
4	Pickering Emulsion as an Emerging Technique for Valorization of Oils Extracted from Stone Fruit Wastes using Nano-reduced Whey Protein as Stabilizer and their Application in Development of Mayonnaise	SERB-DST India	N-PDF	Mentor	**21.31**	On going

ResearchPublications:

Journal Papers

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1. Gulam Nabi Yatoo, **Javid A. Banday*.** "Synthesis, Characterization and Antifungal Activity of Amide derivatives of Piperic Acid, an Analogue of Piperine from *Piper nigrum*". *Russian Journal of Chemistry* (Springer), **2023**, Accepted. SCI/SCOPUS

2. Sajad Bhat, **Javid Ahmad Banday*,** Malik Wahid*. "Composite Metalï Organic Framework-Derived NiCoP/MoS 2 Heterostructure with Superior Electrocatalytic Credentials for Urea and Methanol Oxidation". *Energy & Fuels* (ACS), **2023**, DOI:10.1021/acs.energyfuels.2c04138. **(IF 4.654) SCOPUS**

3. Sohail Amin Malik, Aijaz Ahmad Dar*, **Javid Ahmad Banday***. "Rheological, morphological and swelling properties of dysprosium-based composite hydrogel beads of alginate and chitosan: A promising material for the effective cationic and anionic dye removal". *Colloids and Surfaces A: Physiochemical and Engineering Aspects* (Elsevier), **2023**, 663, 131046. https://doi.org/10.1016/j.colsurfa.2023.131046. **(IF 5.518) SCIE/SCOPUS**

4. **Javid A. Banday***, Zubaid-ul-khazir Rather, Gulam N. Yatoo, Mohammad Asif Hajam, Sajad A. Bhat, Vichangal Pridiuldi Santhanakrishnan, Alia Farozi, Manzoor A. Rather, Shahid Rasool. "Gas chromatographic-mass spectrometric analysis, antioxidant,

antiproliferative and antibacterial activities of the essential oil of *Prangos pabularia". Microbial Pathogenesis* (Elsevier), **2022**, 166, 105540. https://doi.org/10.1016/j.micpath**. (IF 3.848) SCOPUS**

5. Sajad Bhat, Malik Wahid**, Javid Ahmad Banday*.** "Suitably Band-aligned MOF derived Ni2P/MnO2 Hetero-structure with Ni(+1) Coordination Surface Sites For Self-Coupling of Aryl Halides to Bi-aryls". *Chemistry-An Asian Journal* (Wiley-VCH), **2022**, 17, e202101279. https://doi.org/10.1002/asia.202101279 **(IF 4.839)** SCI/SCOPUS

6. Ifra Hassan, Adil Gani, Mudasir Ahmad, **Javid Ahmad Banday.** "Extraction of polysaccharide from Althea rosea and its physicochemical, anti-diabetic, anti-hypertensive and antioxidant properties." *Scientific Reports* (Nature Portfolio), 2022, 12(1), DOI: 10.1038/s41598-022-20134-6 **(IF 4.996) SCOPUS**

7. Zubaid-ul-khazir, Gulam N. Yatoo, Humara Wani, Shakeel A. Shah, Mohammad I. Zargar, Manzoor A. Rather, **Javid A. Banday***. **"**Gas Chromatographic-Mass Spectrometric Analysis, Antibacterial, Antioxidant and Antiproliferative Activities of the Needle Essential Oil of *Abies pindrow* growing wild in Kashmir, India."*Microbial Pathogenesis* (Elsevier), **2021**, 158, 105013. https://doi.org/10.1016/j.micpath.2021.105013 **(IF 3.848) SCOPUS**

8. Z. K. Rather*, **J. A. Banday**, and H. N. Chisti. "Synthesis, Characterization, and Cytotoxic Evaluation of New Triazole Derivatives of Osthol." *Russian Journal of Organic Chemistry* (Springer), **2021**, 57(6), 986-993. https://doi.org/10.1134/S1070428021060154 **(IF 0.862)** SCI/SCOPUS

8. Zubaid-ul-khazir Rather, **Javid A. Banday*** and Hamida-Tun-NisaChisti. "Spectroscopic, X-ray Crystal, DFT and In Vitro Analysis of 3- (2,4-Dimethoxy -3-(3-methylbut-2-en-1-yl) phenyl) Acrylic Acid."*ChemistrySlect* (Wiley-VCH), **2020**, 5, 7849-7854. https://doi.org/10.1002/slct.202001491 **(IF 2.307)** SCIE/SCOPUS

9. V. P. Santhanakrishnan, E. Varun, **Javid A. Banday**, S. Rajesh, K. Rajamani. "Studies on the invitro anticancer activity of mangostin and acetylated mangostin against MCF-7 cell lines."*Chemical Data Collections* (Elsevier), **2020**, 28,100476. https://doi.org/10.1016/j.cdc.2020.100476 **(IF 2.22)** SCOPUS

10. S. Farooq, **J. A. Banday**, A. Hussain, M. Nazir, M. A. Qurishi, A. Hamid, S. Koul. ñSynthesis and biological evaluation of novel osthol derivatives as potent cytotoxic agents". *Medicinal chemistry* (Bentham Science), **2019**, 15, 138-149. SCIE/SCOPUS chttps://doi.org/10.2174/1573406414666180911161047 **(IF 2.745)**

11. Abid H. Banday, Shameem A. Shameem, **Javid A. Banday**, Bashir A. Ganaie. ñSynthesis, 17Ŭ-hydroxylase-C17, 20-lyase Inhibitory and 5AR Reductase Activity of Novel Pregnenolone Derivativesò. *Anti-Cancer Agents in Medicinal Chemistry* (Bentham Science), **2018**, 18(13), 1919-1926. https://doi.org/10.2174/1871520618666180426100942 **(IF 2.505)** SCIE/SCOPUS

12. Romaisa Lateef, Khursheed A. Bhat, Suresh Chandra, **Javid A. Banday***. ñChemical composition, antimicrobial and antioxidant activities of the essential oil of *Conyza canadensis* growing wild in Kashmir valley.ò*American Journal of Essential Oils and Natural Products*, **2018**, *6*(1), 35-41.

13. Romaisa Lateef, Khursheed A. Bhat, Suresh Chandra, **Javid A. Banday***. "Antioxidant Activity of Chloroform Extract of *Inula Racemosa* From Kashmir Himalayasò. *To Chemistry Journal*, **2018**, 1, 179-185.

14. Subramani Kandhasamy, Sathiamurthi Perumal, Balaraman Madhan, Narayanan Umamaheswari, **Javid Ahmad Banday**, Paramasivan Thirumalai Perumal, Vichangal Pridiuldi Santhanakrishnan. "Synthesis and Fabrication of Collagen-Coated OstholamideElectrospunNanofiber Scaffold for Wound Healingò*ACS Applied Materials & Interfaces* (ACS), **2017**, 9(10), 8556-8568.https://doi.org/10.1021/acsami.6b16488 **(IF 10.383)** SCIE/SCOPUS

15. M. A. Rather, B. A. Dar, W. A. Shah, A. Prabhakar, K. Bindu, **Javid A. Banday**, M. A. Qurishi. "Comprehensive GC-FID, GC-MS and FT-IR spectroscopic analysis of the volatile aroma constituents of *Artemisia indica* and *Artemisia vestita* essential oils". *Arabian Journal of Chemistry* (Elsevier), **2017,** 10, S3798-S3803. https://doi.org/10.1016/j.arabjc.2014.05.017**(IF 6.212)** SCOPUS

16. Alia Farozi, **Javid A. Banday***, S. A. Shah. ñStructural and optical studies of 7-methoxy-8-(3-metrhylbut-2-enyl)-2-chromenone (osthol), a plant based coumarin.ò *OPTIK-International Journal for Light and Electron Optics* (Elsevier),**2016**, 127, 2802ï2805. http://dx.doi.org/10.1016/j.ijleo.2015.11.224**(IF 2.840) SCI/SCOPUS**

17. Alia Farozi, **Javid A. Banday***, S. A. Shah. "Genicunolide-A, B and C: three new triterpenoids from *Euphorbia geniculata*." *Beilstein Journal of Organic Chemistry,* **2015,** 11, 2707–2712. http://doi.org/10.3762/bjoc.11.291 **(IF 2.88)** SCOPUS

18. Javid A. Banday*, Shakeel A. Shah, Ajaz H. Kanth, Alia Farozi, HumaraWani. "In Vitro Screening for Anticancer Activity of Petroleum Ether and Ethyl Acetate Extracts of *Conyza canedensis* growing in Kashmir Region."*Advances in Biomedicine and Pharmacy,* **2015**, 2(2), 82-85.

19. Saleem Farooq, Shakeel-u-Rehman, Nisar A. Dangroo, Dev Priya, **Javid A. Banday**, Pyare L. Sangwan1, Mushtaq A. Qurishi, Surrinder Koul, Ajit K.Saxena. "Isolation, Cytotoxicity Evaluation and HPLC-Quantification of the Chemical Constituents from *Prangos pabularia*." *PLOS ONE* (Public Library of Science), **2014**, 9 (10), e 108713. http://doi.org/10.1371/journal.pone. **(IF 3.752)** SCOPUS

20. Mahpara Qadir, **Javid A. Banday** and Wajaht A. Shah. "GC-MS analysis and Antioxidant activity of essential oil of *Artemisia amygdalina* from Kashmir, India". *The Journal of Phytopharmacology*, **2014**, 3(4), 234-237.

21. Feroz A. Mir, Sajad A. Rather, Ishfaq A. Wani, **Javid A. Banday**, and Shoukat H. Khan. "Optical properties of some modified plant compound after 662 keV gamma radiation".

Radiation Effects and Defects in Solids (Taylor-Francis), **2014**, 169 (11), 906-912, http://doi.org/10.1080/10420150.2014.961457 **(IF 1.141)**

22. Mahpara Qadir, Wajaht A. Shah, **Javid A. Banday** "GC-MS analysis, Antibacterial, Antioxidant and Anticancer activity of essential oil of *Pinus roxburghii* from Kashmir, India". *International Journal of Pharmacological Research,* **2014**, 4 (2), 61-64.

23. Manzoor A. Rather, **Javid A. Banday**, Mushtaq A. Qurishi. "Growing impact of plant terpenoid natural products from essential oils on transdermal drug delivery- A Review". *Advances in Biomedicine and Pharmacy*, **2013**, 1, 909-918.

24. Humara Wani, S. A. Shah, **Javid A. Banday*. "**Chemical Composition and Antioxidant Activity of the Leaf Essential Oil of *Artemisia salsoloides* growing wild in Kashmir Himalayas*". Elixir Organic Chemistry*, **2014**, 71, 24581-24583.

25. Humara Wani, S. A. Shah, **Javid A. Banday*.** ñChemical Composition and Antioxidant Activity of the Leaf Essential Oil of *Artemisia absinthium* growing wild in Kashmir, India.ò*The Journal of Phytopharmacology,* **2014**, 3(2), 90-94.

26. F. A. Mir, G. M. Bhat, K. Asokan, **Javid A. Banday.**ñVarious characterizations of Oxypeucedanin micro crystals: an organic molecule.ò*Journal of Materials Science: Materials in Electronics* (Springer), **2014**, 25*,* 431-437. http://doi.org/10.1007/s10854-013-1606-3**(IF 2.779) SCI/SCOPUS**

27. Alia Farozi, **Javid A. Banday***, S. A. Shah. ñPreparation, Characterization and Antimicrobial and Antifungal activities of 2- Methyl-4-(7-methoxy-2-oxo-2H-chromen-8-yl)-but-2-en-1-al, an Analogue of Osthol, a Major Constituent from *Prangos pabularia* .ò *Elixir Organic Chemistry*, **2013**, 65*,* 19637-19639.

28. S. A. Ganai, **Javid A. Banday**, A. H. Shalla, T. Ara. ñThermal studies and analytical applications of a newly synthesized composite material-polyaniline stannic molybedate.ò *International Journal of Non-ferrous Metallurgy*, **2013**, 2(3), 106-109. http://doi.org/10.4236/ijnm.2013.23015.

29. S. M. Buch, F. A. Mir, S. Rehman, M. A. Qurishi, **Javid A. Banday**. ñIrigenin - an Isoflavone: a brief study on structural and optical properties.ò *TheEuropean Physical Journal-Applied Physics*, **2013,** *62***,** 31201**.** http://dx.doi.org/ 10.1051/ epjap/ 2013130052 **(IF 1.158)** SCIE/SCOPUS

30. F.A. Mir, **Javid A. Banday,** Christian Chong, Pierre Dahoo, and F. A. Najar **"**Optical and electrical characterization of Ni-doped orthoferrites thin films prepared by sol-gel processò.*The European Physical Journal-Applied Physics*, **2013**, 61, 10302. http://dx.doi.org/10.1051/epjap/2012120329 **(IF 1.158)** SCIE/SCOPUS

31. S. A. Ganai, Hamida-Tun-Nisa, **Javid A. Banday**, Siraj Ahmad. ñSynthesis & thermal studies of polyaniline stannic silicate & its role in the removal of toxic metal ions.ò*American Journal of Analytical Chemistry* (Scientific Research), **2012**, *3*, 272-276.

32. **Javid A. Banday***,F. A. Mir, A. H. Kanth, G. M. Bhat. **"**Structural and optical properties of Heraclenin; a bio-organic molecule from *Prangos pabularia."OPTIK- International Journal for Light and Electron Optics* (Elsevier), **2013**,*124*(20), 4655- 4658. http://dx.doi.org/10.1016/j.ijleo.2013.01.114 **(IF 2.840)** SCI/SCOPUS

33. **Javid A. Banday*,**F.A. Mir,M. A. Qurishi, S. Koul, T. K. Razdan. "Heraclenin: A potential optoelectronic device material from *Prangos pabularia*", *Journal of Electronic Materials* (Springer), **2013**, *42*(8), 2498-2503. http://dx.doi.org/10.1007/s11664-013-2596-x**.(IF 2.047)** SCI/SCOPUS

34. **Javid A. Banday***,F.A.Mir, M. A. Qurishi, S. Koul, T. K. Razdan. ñIsolation, Structural, Spectral and Thermal studies Imperatorin micro-crystals from *Prangos pabularia*.ò *Journal of Thermal Analysis and Calorimetry* (Springer), **2013**, *112*(3), 1165-1170. (Published **online**: September 22, **2012**) http://dx.doi.org/10.1007/s10973-012-2683-x **(IF 4.755)** **SCI/SCOPUS**

35. **Javid A. Banday***, F.A. Mir, S. Farooq, M. A. Qurishi, S. Koul, T.K. Razdan.ñSalicylic acid and Methyl gallate from the roots of *Conyza canedensis*.ò *International Journal of Chemical and Analytical Science* (Elsevier), **2012**, 3(2), 1305-1308.

36. **Javid A. Banday*,**S. Farooq, M. A. Qurishi, S. Koul, T. K. Razdan. ñConyzagenin-A and -B, Two New Epimeric Lanostane Triterpenoids from *Conyza canedensis*.ò *Natural Product Research* (Taylor-Francis), **2013,** 27(11), 975-981. http://dx.doi.org/10.1080/14786419.2012.701214. **(IF 2.862)** SCIE/SCOPUS

37. **Javid A. Banday*,** F. A. Mir, S. Farooq, M. A. Qurishi, S. Koul, T. K. Razdan. ñStructural, Thermal and Optical Studies of Oxypeucedanin Hydrate Monoacetate Micro-Crystals from *Prangos pabularia*.ò *American Journal of Analytical Chemistry* (Scientific Research), **2012**, 3, 204-209.

38. Shakeel-u-Rehman, Romaisa Lateef, J. A. Parray, **J. A. Banday**, K. A. Bhat, **"**Chemical composition and antimicrobial evaluation of the essential oil of *Conyza canadensis", Journal of Essential Oil Research,* **2023**(Communicated).

39. **Javid A. Banday***, Zubaid-ul-khazir Rather, Gulam N. Yatoo, Mohammad Asif Hajam, Sajad A. Bhat ñIsolation and Antioxidant Activity of Oxypeucedanin Hydrate Monoacetate from *Prangos pabularia". Russian Journal of Organic Chemistry* (Springer), **2023** (Communicated).

40. Ifra Hassan, Asima Shah, **JavidBanday**, AdilGani***. "**Alginate based pH-sensitive Hydrogels Encoated with Chitosan as Bioactive Cargo Carrier with Caffeine as a Model Biomolecule*." Food Chemistry* (Elsevier), **2023** (Communicated). **(IF 9.231)**

41. Ifra Hassan, Zanoorul Ashraf; **Javid A. Banday**, Adil Gani. "Unravelling the Himalayan treasury- *Althea rosea* for its possible role in combating the life style diseases forglobal population."*Journal of Functional Foods* (Elsevier), **2023** (Communicated). **(IF 5.223)**

42. Mohammad Nadeem Lone, Zubaid-ul-khazir, Md. SerajulHaqueFaizi, DegeNecmi, Sajad A. Bhat and **Javid A. Banday***. "Structural Determination of 7-Methoxy-8-(3-methylbut-2-enyl)-2-chromenone". Journal of Structural Chemistry, **2023** (Communicated). **(IF 1.004)**

43. Gulam Nabi Yatoo, **Javid A. Banday***. " Synthesis, Antioxidant, Antiproliferative Activity, Molecular Docking and DFT Studies of Novel Isoxazole Derivatives of Diosgenin, a Steroidal Sapogenin from *Dioscorea deltoidea". Fitoterapia* (Elsevier), 2023 (Communicated). **(IF 3.204)**

Conference Papers:

1. Zubaid-ul-Khazir, Mehraj-ud-din Bhat, Hamida-tun-Nisa Chisti, **Javid A. Banday***. "In Vitro Anticancer Activity of Ethyl Acetate Extracts of *Euphorbia geniculata".* First International Conference on Recent Developments in Science, Humanities and Management-2018. Amar Singh College Srinagar, April 17-18, 2018. Published in *International Journal of Advance Research in Science & Engineering*, **2018,** 07 (04).
2. Shahnawaz Shaheen, Zubaid-ul-Khazir, **Javid A. Banday***."Preparation and in Vitro Cytotoxic Evaluation Studies of Ethyl-4-methyl-6-(7-methoxy-2-oxo-2H-chromen-8-yl)-hexa-2,4-dien-1-oate, an Analogue of Osthol". First International Conference on Recent Developments in Science, Humanities and Management- 2018. Amar Singh College Srinagar, April 17-18, 2018. Published in *International Journal of Advance Research in Science & Engineering*, **2018**, 07 (04).
3. **Javid A. Banday***. "Preparation and in Vitro Cytotoxic Evaluation Studies of 2-Methyl-4-(7-methoxy-2-oxo-2H-chromen-8-yl)-but-2-en-1-al, an Analogue of Osthol". International Conference on New Frontiers of Engineering, Science, Management and Humanities (ICNFESMH-2018). OM Institute of Technology and Management, Hisar Chandigarh Road, India, February-04, 2018. Published in *International Journal of Engineering Technology Science and Research*, **2018**, 05 (01).
4. **Javid A. Banday***. "Preparation, Characterization and Antimicrobial and Antifungal Activities of 7-Methoxy-8-{(3,3-dimethyloxiran-2-yl)methyl}-2H-chromen-2-one, an Analogue of Osthol". 2nd International Conference on Advancement in Engineering, Applied Science and Management (ICAEASM-2018). Osmania University Centre for International Programmes, Hyderabad, Telangana, January-28, 2018. Published in *International Journal of Engineering Technology Science and Research*, **2018**, 05 (01).
5. Zubaid -ul-Khazir Rather, G. N. Yatoo, Andleeb Amin, Mehrajud Din Bhat, Gazunfor Ali, Monaza Rashid, Sajad Ahmad Bhat**, Javid A. Banday***. "Preparation and Characterizations of Polyvinyl alcohol-Betulinic Acid Composite Film forAntibacterial Evaluation". 2nd International Conference on Advances in Biopolymersand Workshop on Fermented Foods and Gut Health. Department of Food Science & Technology, University of Kashmir, November 8-9,2021.

Books Published:

1. Shahid-Ul-Islam, **Javid Ahmad Banday**. "Chemistry of Biologically Potent Natural Products and Synthetic Compounds". John Wiley & Sons Inc, New York, United States, 2020.
2. **Javid A. Banday**. "Role of Secondary Metabolites in Drug Development: With Special Reference to Terpenoids and Coumarins." Lambert Academic Publishing, 2018.

Book Chapters:

1. Mohammad Nadeem Lone, GhulamNabi Yatoo**, Javid A. Banday**, Irshad A. Wani. "Recent Advances in Gold Complexes as Anticancer Agents" in Advances in Metallodrugs: Preparation and Applications in Medicinal Chemistry. John Wiley &Sons, Inc. 2020, pp. 247-271.
2. Mohammad Nadeem Lone, Irshad Ahmad Wani, GulamNabi Yatoo, U Zubaid, **Javid A. Banday**. "Role of Gold Nanoparticles in Drug Delivery and Cancer Therapy" in Applications of Nanomaterials in Agriculture, Food Science, and Medicine. IGI Global, 2021, pp. 124-140.

Courses/ Seminars/ Workshops Conducted:

- One week Short Term Course on "Chemistry of Advanced Functional Materials" (CAFM-2020) under TEQIP-III from 8-12 July, 2019.
- One week Short Term Course on "Recent Advances in Chemical Sciences" (RACS-2019) under TEQIP-III from 8-12 July, 2019.
- One day Seminar on ñChemistry: Our Life, Our Futureò, November 15, 2011, in commemoration of International Year of Chemistry-2011, at National Institute of Technology, Srinagar.

Courses/ Seminars/ Workshops Attended:

- Four week UGC sponsored ñGeneral Orientation Courseò w.e.f. 06.10.2003, organized by Academic Staff College, University of Kashmir, Srinagar.
- Five Day National Workshop on ñNuclear Magnetic Resonance (NMR)ò, August 1-5, 2006, organized by Department of Chemistry, University of Kashmir, Srinagar.

- Two Day seminar on ñDynamics of Science Education, Current Problems and Future Challengesò, October 23-24, 2007, organized by Department of Chemistry, University of Kashmir, Srinagar.

- One Day ñIPR Awareness Programmeò, April 09, 2008, organized by IPR Cell, NIT Kurukshetra, under TEQIP, at National Institute of Technology, Srinagar.

- Five Day National Workshop on ñFrontiers of Spectroscopic and Analytical Techniques in Chemical Sciencesò, March 21-25, 2009, organized by Department of Chemistry, University of Kashmir, Srinagar in collaboration with Indian Institute of Integrative Medicine(IIIM), Srinagar.

- One Day Seminar on ñReliability, Availability and Maintainability In Industryò, May 28, 2012, organized by Mechanical Engineering Department, National Institute of Technology, Srinagar.

- Five Day Short Term Course on ñCNC Machinesò, September 17-21, 2012, organized by Mechanical Engineering Department, National Institute of Technology, Srinagar.

- One Day Workshop ñPromoting Innovations in Individuals, Start upsand Micro, Small & Medium Enterprises (PRISM) and Technopreneurship Promotion Programme (TePP) Sensitizationò, October 13, 2012, organized by TePP Outreach Centre (TUC)) in collaboration with Mechanical Engineering Department, National Institute of Technology, Srinagar.

- One Day UGC Sponsored National Level Workshop on ñWaste Water Treatment Effluent Management and its Re-cyclingò, March 30, 2013, organized by Department of Chemistry, Gandhi Memorial College, Srinagar.

- One Day Awareness Workshop on ñNational Mission on Education through Information Communication Technology (NME-ICT)ò, June 18, 2013, organized by NIT Srinagar and sponsored by MHRD, Govt. of India.

Assignments at other Institutions:

- Member Board of Studies, Central University of Kashmir, J & K, India.
- **Advisory Board member** in designating the academic curriculum for Professional Lab Course at P. G. Department of Chemistry, University of Kashmir.
- Vice Chancellor's Nominee in Board of Studies, Islamia College of Science & Commerce, Srinagar, J & K, India.

Personal Details:

HomeAddress	Umer Abad, sector-II, Shah-e-Hamdan lane, Zainakote, Srinagar- J & K, India.
Nationality	Indian
DOB	07-10-1969
Languages	English, Kashmiri, Urdu
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