CURRICULUM VITAE

Dr. Bilal Ahmad Wani
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Mob. No.: **+91 8825076250**

PRESENT STATUS

- Working as an Assistant Professor at **Department of Mathematics, National Institute of Technology, Srinagar**, 190006, India.
  From 05 August 2022 to till date.

EMPLOYMENT HISTORY

- Worked as a contractual faculty at **Department of Mathematics, University of Kashmir**, 190006, India.
  From 01 June 2022 to 04 August 2022.
- Worked as Dr. D.S. Kothari Post Doctoral fellow at **University of Kashmir, Hazratbal, 190006, India** from 28-May 2019 to 28 May 2022, (03 Years)
  Topic of Post Doctorate: Graphs on various algebraic structures.
  Mentor: Prof. Shariefuddin Pirzada.
- Worked as a contractual faculty at **Department of Mathematics, Central University of Kashmir**, 190006, India.
  From 16 March 2019 to 26 May 2019.
- Worked as a contractual faculty at **NIT Srinagar** and taught various courses at B.Tech level from 01 April. 2013 to 31 Dec. 2013.

SPECIALIZATION

- Commutative Algebra, Combinatorics, Derivations on Rings Banach Algebras.
- Scopus id: `https://www.scopus.com/authid/detail.uri?authorId=57194772314`
- My Google Scholar page: `https://scholar.google.com/citations?user=dFBGOcMAAAAJ&hl=en`
- My Research Gate page: `https://www.researchgate.net/profile/Bilal-Wani-4`
- Orcid: `https://orcid.org/my-orcid?orcid=0000-0001-7783-4036`

FIELDS OF INTEREST

- Combinatorail Commutative Algebra, Graphs on Vector spaces, Derivations on Rings Banach Algebras.

EDUCATION:

- **Ph.D :** Awarded in Oct. 2018, Title: A Study of Certain Additive Mappings on Rings and Algebras. Institute: Aligarh Muslim University, Aligarh.
  Advisor: Prof. Mohammad Ashraf.
- **Masters:** M.Sc. Mathematics from University of Kashmir, Srinagar, Jammu and Kashmir.

NATIONAL/STATE LEVEL ACHIEVEMENTS/AWARDS

- Qualified GATE 2013, with all India Rank 332.
- Awarded Dr. D. S. Kothari Post Doctoral Fellowship, 2019.
- Awarded Scientific Basic Research Fellowship, 2015.
- Reviewer of various national/international reputed research journals.

PUBLICATIONS

1. Jordan n-derivations on alternative rings, published in Georgian Mathematical Journal, https://doi.org/10.1515/gmj-2025-2027 **Q3-Journal**
Authors
   - *Ab Hamid Kawa* : Department of Mathematics, Maulana Azad National Urdu University, India.
   - *S. N. Hasan*: Department of Mathematics, Maulana Azad National Urdu University, India.
   - *S. Ali*: Department of Mathematics, Aligarh Muslim University, India.
   - **Bilal Ahmad Wani**

2. Direct sum graph of the subspaces of a finite-dimensional vector space over finite fields, published in Discrete Mathematics, Algorithms and Applications, https://doi.org/10.1142/S1793830924500745 **Q3-Journal**
Authors
   - **Bilal Ahmad Wani**
   - *Aaqib Altaf* : Department of Mathematics, University of Kashmir, India.
   - *S. Pirzada*: Department of Mathematics, University of Kashmir, India.
   - *T. A. Chishti*: Department of Mathematics, University of Kashmir, India.

3. The second nonlinear mixed Lie triple derivations on standard operator algebras, published in Georgian Mathematical Journal, 31(3), 473-482, 2024, https://doi.org/10.1515/gmj-2023-2086 **Q3-Journal**
Authors
   - *Nadeem Ur Rehman* : Department of Mathematics, Aligarh Muslim University, India.
   - *Junaid Nisar*: Department of Mathematics, Aligarh Muslim University, India.
   - **Bilal Ahmad Wani**

4. Characterization of multiplicative Jordan n-higher derivations on unital rings, published in Georgian Mathematical Journal, 32(3), 445-456, 2024, https://doi.org/10.1515/gmj-2024-2062 **Q3-Journal**
Authors
   - *Ab Hamid Kawa* : Department of Mathematics, Maulana Azad National Urdu University, India.
   - *S. N. Hasan*: Department of Mathematics, Maulana Azad National Urdu University, India.
   - *S. Ali*: Department of Mathematics, Aligarh Muslim University, India.
   - **Bilal Ahmad Wani**

5. Multiplicative Jordan n-higher derivations on alternative rings containing idempotents, published in Asian-European Journal of Mathematics, 16(5), 2023, 2350081 https://doi.org/10.1142/S179355712350081X **Q3-Journal**
Authors
   - *Ab Hamid Kawa* : Department of Mathematics, Maulana Azad National Urdu University, India.
   - *S. N. Hasan*: Department of Mathematics, Maulana Azad National Urdu University, India.
   - **Bilal Ahmad Wani**

6. Multiplicative Jordan type higher derivations of unital rings with non trivial idempotents, published in Advances in Pure and Applied Mathematics, 14(1),36-49, 2023, **Q3-Journal**
Authors
   - *Ab Hamid Kawa* : Department of Mathematics, Maulana Azad National Urdu University, India.
   - *S. N. Hasan*: Department of Mathematics, Maulana Azad National Urdu University, India.
   - **Bilal Ahmad Wani**

7. Subspace-based nonzero component graph of a finite dimensional vector space, published in Asian-European Journal of Mathematics, 15(12), 2250214, (2022). https://doi.org/10.1142/S179355712250214X **Q3-Journal**
Authors
   - *S. Pirzada*: Department of Mathematics, University of Kashmir, India.
   - **Bilal Ahmad Wani**
   - *Saba Al-Kaseasbeh*: Department of Mathematics, Tafila Technical University, Tafila, Jordan.

8. Multiplicative Lie-Type Derivations on Rings, published in Bulletin of the Iranian Mathematical Society, 48, 1217–1227 (2022). https://doi.org/10.1007/s41980-020-00511-5 **Q2-Journal**
Authors
   - *Mohammad Ashraf*: Department of Mathematics, Aligarh Muslim University, Aligarh, India.

- *Mohd Shuaib Akhtar*: Department of Mathematics, Aligarh Muslim University, Aligarh, India.
- **Bilal Ahmad Wani**
- *Mohit Kumar*: Department of Mathematics, Aligarh Muslim University, Aligarh, India.

9. Multiplicative Lie triple higher derivations on generalized matrix algebras, published in Analele Stiintifice ale Universitatii Al I Cuza din Iasi - Matematica, 68(1), 23-47, 2022. **Q4-Journal**
Authors
   - *Mohammad Ashraf*: Department of Mathematics, Aligarh Muslim University, Aligarh, India.
   - *Mohd Shuaib Akhtar*: Department of Mathematics, Aligarh Muslim University, Aligarh, India.
   - **Bilal Ahmad Wani**

10. Multiplicative *-Lie type higher derivations of standard operator algebras, published in Communications in Algebra, 49(9), 3777-3797, 2021. https://doi.org/10.1080/00927872.2021.1906266**Q2-Journal**
Authors
   - **Bilal Ahmad Wani**
   - *Mohammad Ashraf*: Department of Mathematics, Aligarh Muslim University, Aligarh, India.
   - *Mohd Shuaib Akhtar*: Department of Mathematics, Aligarh Muslim University, Aligarh, India.

11. (θ, ϕ)-derivations on semiprime rings and Banach algebras in Communications in Mathematics, 29(3), (2021). https://doi.org/10.2478/cm-2021-0013 **Q3-Journal**.
Authors
   - **Bilal Ahmad Wani**

12. On the eigenvalues of zero-divisor graph associated to finite commutative ring $Z_{p^M q^N}$, published in AKCE International Journal of Graphs and Combinatorics, 18(1), 1-6, 2021., https://doi.org/10.1080/09728600.2021.1873060 **Q2-Journal**.
Authors
   - *S. Pirzada*: Department of Mathematics, University of Kashmir, India.
   - **Bilal Ahmad Wani**
   - *A. Somasundaram*: Department of General Sciences, Birla Institute of Technology and Science, Pilani, India.

13. Multiplicative Lie triple derivations on standard operator algebras, published in Communications in Mathematics, 29(3), 357-369, (2021). https://doi.org/10.2478/cm-2021-0012 **Q3-Journal**.
Authors
   - **Bilal Ahmad Wani**

14. Multiplicative $\lambda - *$-Jordan triple higher derivations on standard operator algebras, published in Operators and Matrices, 15(3),889–901, (2021). http://dx.doi.org/10.7153/oam-2021-15-59 **Q3-Journal**.
Authors
   - *Abdul Nadim Khan*: Department of Mathematics, King Abdul Aziz University, Saudi Arabia.
   - **Bilal Ahmad Wani**

15. Generalized $*$-Lie Higher Derivable Mappings on $*$-Rings, published in Algebra Colloquium, 27(03), 415-432 (2020). https://doi.org/10.1142/S1005386720000346 **Q2-Journal**.
Authors
   - *Mohammad Ashraf*: Department of Mathematics, Aligarh Muslim University, Aligarh, India.
   - *Mohd Shuaib Akhtar*: Department of Mathematics, Aligarh Muslim University, Aligarh, India.
   - **Bilal Ahmad Wani**

16. Multiplicative $*$-Jordan type higher derivations on von Neumann algebras, published in Quaestiones Mathematicae 43(12),1689-1711, (2020). https://doi.org/10.2989/16073606.2019.1649734 **Q2-Journal**.
Authors
   - **Bilal Ahmad Wani**
   - *Mohammad Ashraf*: Department of Mathematics, Aligarh Muslim University, Aligarh, India.
   - *Wenhui Lin*: College of Science, China Agricultural University, Beijing, China.

17. Characterizations of $*$-Lie derivable mappings on prime $*$-rings, published in RAD HAZU.MATEMATIČKE ZNANOSTI, 23(538)51-69, (2019). https://doi.org/10.21857/y26kec3379 **Q3-Journal**.
Authors

- *Ahmad N.Alkenani*: Department of Mathematics, King Abdul Aziz University, Saudi Arabia.
- *Mohammad Ashraf*: Department of Mathematics, Aligarh Muslim University, Aligarh, India.
- **Bilal Ahmad Wani**

18. Multiplicative Lie triple higher derivation on standard operator algebra, published in Mathematical Reports, 23(4), 397–424, (2021). **Q3-Journal**.
Authors
    - *Mohammad Ashraf*: Department of Mathematics, Aligarh Muslim University, Aligarh, India.
    - **Bilal Ahmad Wani**

19. Multiplicative $*$-Lie triple higher derivations on standard operator algebra, published in Quaestiones Mathematicae, 42(7), 857-884, (2019). https://doi.org/10.2989/16073606.2018.1502213 **Q2-Journal**.
Authors
    - *Mohammad Ashraf*: Department of Mathematics, Aligarh Muslim University, Aligarh, India.
    - **Bilal Ahmad Wani**
    - *Feng Wei*: School of Mathematics and Statistics, Beijing Institute of Technology, Beijing, China.

20. Derivations of rings and Banach algebras involving commutator, published in Rendiconti Sem. Mat. Univ. Pol. Torino, 76(1), 55–62, (2018). **Q3**
Authors
    - *Mohammad Ashraf*: Department of Mathematics, Aligarh Muslim University, Aligarh, India.
    - **Bilal Ahmad Wani**
    - *Sajad Ahmad Pary*: Department of Mathematics, Aligarh Muslim University, Aligarh, India.

21. Nonlinear $*$-Lie Higher Derivations of Standard Operator Algebras, published in Communications in Mathematics, 26(1), (2018), https://doi.org/10.2478/cm-2018-0003 **Q3-Journal**.
Authors
    - *Mohammad Ashraf*: Department of Mathematics, Aligarh Muslim University, Aligarh, India.
    - *Shakir Ali*: Department of Mathematics, Aligarh Muslim University, Aligarh, India.
    - **Bilal Ahmad Wani**

22. On commutativity of rings and Banach algebras with generalized derivations, published in Advances in Pure and Applied Mathematics, 10(2), 155-163, (2018), https://doi.org/10.1515/apam-2017-0024 **Q3- Journal**
Authors
    - *Mohammad Ashraf*: Department of Mathematics, Aligarh Muslim University, Aligarh, India.
    - **Bilal Ahmad Wani**

23. On Commutativity of Banach $*$-Algebras with Derivation, published in Springer Proceedings in Mathematics & Statistics book series PROMS 228, (2739), 2016. https://doi.org/10.1007/978-3-319-74195-6_3
Authors
    - *Mohammad Ashraf*: Department of Mathematics, Aligarh Muslim University, Aligarh, India.
    - **Bilal Ahmad Wani**

24. Generalized Higher Derivations on Lie Ideals of Triangular Algebras, published in Communications in Mathematics, 25(1) (2017). https://doi.org/10.1515/cm-2017-0005 **Q3-Journal**.
Authors
    - *Mohammad Ashraf*: Department of Mathematics, Aligarh Muslim University, Aligarh, India.
    - *Nazia Parveen*: Department of Mathematics, Aligarh Muslim University, Aligarh, India.
    - **Bilal Ahmad Wani**

COMMUNICATED PAPERS

1. Certain homological invariants of generalized wheel graphs, communicated to Mediterranean journal of mathematics,
Authors
    - **Bilal Ahmad Wani**
    - *Uzair Rafiq Shah*: Department of Mathematics, National Institute of Technology, Srinagar India.

2. Certain homological invariants of wheel graphs, communicated to quaestiones mathematicae,
   Authors
   - *Shahnawaz A. Rather*: Department of Mathematics, University of Kashmir, Srinagar India
   - *S. Pirzada*: Department of Mathematics, University of Kashmir, Srinagar India
   - **Bilal Ahmad Wani**

3. Traversibility of subspace based nonzero component graph of vector spaces over finite fields, communicated to AKCE International Journal of Graphs and Combinatorics,
   Authors
   - *S. Pirzada*: University of Kashmir, Srinagar India
   - **Bilal Ahmad Wani**

WORKSHOPS

(1) Workshop on Additive Combinatorics at International Centre for Theoretical Sciences(ICTS) Banglore, India from 24 Feb. to 07 March 2020.

(2) Three day workshop on algebra and analysis at Department of Mathematics, Central University of Kashmir from 18-20 June, 2019.

(3) International Workshop on Convex Analysis and Optimization at Department of Mathematics, AMU, Aligarh from 14-19 Nov, 2017.

(4) National centre for Mathematics workshop on "Operator Algebras" at Institute of Mathematical Sciences, Chennai, India, from 11-16 Sep, 2017.

(5) Annual foundation school (AFS-I) at Indian Institute of Technology (IIT) Guwahati, from 01-28 Dec, 2016.

(6) Research Promotion workshop on Introduction To Graph And Geometric Algorithms, sponsored by NBHM GoI at Department of Mathematics, University of Kashmir, 2015.

CONFERENCES ATTENDED

Conference	**Type**
(1) A research talk in International Conference on Algebra and related topics with applications, 17-19 Dec. in Aligarh Muslim University India.	International
(2) A research talk in International Conference on Applicable Mathematics, 19-20 Feb. 2018 in Motilal Nehru College, University of Delhi, India,	International
(3) A research talk in International Symposium on Algebra, Analysis and their Applications, (ISAAA-2017), 22 Dec. 2017 in Integral University, Lucknow.	International
(4) A research talk in International Conference on Analysis and its Applications, (ICAA-2017). 20-22 Nov, 2017 in Aligarh Muslim University, India.	International
(5) A research talk in International Conference on Differential Geometry, Algebra and Analysis, (ICDGAA-2016) 15-17 Nov, 2016 Jamia Millia Islamia, New Delhi.	International
(6) A research talk in International Conference on Algebra and Its Application, (ICAA-2016) 12-14, Nov. 2016 in Aligarh Muslim University, India.	International
(7) A research talk in 84th Annual Conference of Indian Mathematical Society, 27-30 Nov. 2018 in Shri Mata Vaishno Devi University, Katra, Jammu and Kashmir.	National
(8) Participated in International Conference on Analysis and its Applications, (ICAA-2015), 19-21 Nov. 2015 in held at Aligarh Muslim University, Aligarh, India.	International
(9) Participate in Recent trends in algebra and analysis with Applications, 12-14 Feb, 2014 in Aligarh Muslim University, India,	International

TECHNICAL SKILLS

- **Tools** (LaTeX, Macaulay2, Rstudio, Mathematica, Matlab).

PERMANENT ADDRESS

- Tapper Payeen Pattan (Near BSNL Tower), Baramulla, Kashmir, 193121

PRESENT COMMUNICATION ADDRESS

- Department of Mathematics, National Institute of Technology, Srinagar, 190006, India.

REFEREES

- Prof. Mohammad Ashraf, AMU, Aligarh, UP, India
  Email: mashraf80@hotmail.com
- Prof. Shariefuddin Pirzada, University of Kashmir, Hazratbal, 190006, India
  Email: pirzadasd@kashmiruniversity.ac.in
- Prof. Nadeem Ur Rehman, AMU, Aligarh, UP, India
  Email: nu.rehman.mm@amu.ac.in

Date: July 25, 2025