CURRICULUM VITAE

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Department of Mathematics
Jamia Millia Islamia (A Central University)
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(A)Personal details:

Father's Name: Late Zafrul Hasan Abbasi

Permanent Address: Village-Walidpur
                        Post-Walidpur
                        District-Mau, U.P.
                        Pin Code- 276 405

Residential Address: Jasola, New Delhi- 110025

Date of Birth: April 20, 1977

Sex: Male

Nationality: Indian

Languages Known: English, Hindi and Urdu

(B)Academic Qualifications:

S.N.	Degree	Subject	Year	University	Division
1.	Ph.D.	Mathematics (Algebra)	2005	A.M.U., Aligarh	Awarded
2.	M.Phil.	Mathematics (Algebra)	2001	A.M.U., Aligarh	Awarded
3.	M.Sc.	Mathematics	2000	A.M.U., Aligarh	Ist
4.	B.Sc.	Mathematics, Physics	1995	Purvanchal University, Jaunpur, U.P.	Ist

Field of Specialization: Abstract Algebra
Area of Interest: Ideal theory and Module theory

(C)Scholarships awarded:

- Akikrit Scholarship in 1988 by Uttar Pradesh Government.
- National Scholarship in 1990 by Uttar Pradesh Government.

(D)Employment Profile:

| S. No. | University | Designation | Period | | Nature of Duties |
			From	To	
1.	JMI, New Delhi	Professor	06-12-2021	Till date	Teaching and Research
2.	JMI, New Delhi	Associate Professor	06-12-2018	05-12-2021	Teaching and Research
3.	JMI, New Delhi	Asstt. Professor-Stage 03	06-12-2015	05-12-2018	Teaching and Research
4.	JMI, New Delhi	Asstt. Professor-Stage 02	06-12-2010	05-12-2015	Teaching and Research
5.	JMI, New Delhi	Asstt. Professor-Stage 01	06-12-2006	05-12-2010	Teaching and Research
6.	Sen. Sec. School (Boys), AMU, Aligarh	PGT (Mathematics)	04-12-2002	15-05-2003	Teaching

Teaching Experience: 18 years
Research Experience: 22 years

(E)Courses Taught:

   (i) Undergraduate Level: Group Theory, Ring Theory, Linear Algebra, Analytical Geometry of two dimensions and three dimensions, Calculus, Algebra and Trigonometry.
   (ii) Postgraduate Level: Abstract Algebra, Advanced Group Theory, Linear Algebra.

(F)Awards/ Project:

   - Awarded International Education Excellence Award for excellence in teaching & research in Mathematics by Center for Professional Advancement, Vijayawada, India on December 18, 2021.
   - Awarded minor project entitled "On Quasi- Ideals in Algebraic System" under the Inn. Research Activities, JMI vide san. No. AC-6(15)/RO/2014 in 2014.
   - Awarded University fellowship (JRF) by AMU, Aligarh, UP in 2002.

(G)Guidance Experience:

   - **PDF (NBHM) student guided**: 1. Dr. Abul Basar (2015-17).
   - **Ph.D. Thesis guidance:** 1. Abul Basar (Degree Awarded, 2015), 2. Aakif Fairooze Talee (Degree Awarded, 2018), 3. Sabahat Ali Khan (Degree Awarded, 2019), 4. Akbar Ali (Degree Awarded, 2020), 5. Adesh Kumari (Co-Supervisor- Prof. Mansaf Alam, Degree Awarded, 2021), 6. Ahmad Raza (Degree Awarded, 2022), 7. Tasaduk Rashid Mir (Pursuing), 8. Shahnawaz (Pursuing), 9. Sameena Hashmi (Pursuing).
   - **M. Sc. Project guidance**: Namrita Singh and Sumayya (2010), Mohd. Ishtyak and Md. Sirajuddin (2011), Naiyara Ahmad (2012), Shagufta Perween and Md. Shamshad (2012).

(H) Membership of Academic Bodies:

- Life Member: Ramanujan Mathematical Society
- Life Member: Indian Mathematical Society

(I) Programs / Courses / Workshops Attended:

- Short Term Course on 'Ethics in Higher Education in Teaching & Research' during March 01-07, 2017 organized by UGC-HRDC Centre for Professional Development in Higher Education, University of Delhi.

- 5th one-week Professional Development Program for Senior Faculty during Dec. 08-13, 2014 organized by Academic Staff College, JMI, New Delhi.

- Attended the workshop on "Mathematics and its applications" on Oct 18, 2012 organized by Department of Mathematics, JMI, New Delhi.

- 1st three-week Refresher Course in Basic Sciences (Interdisciplinary) during May 06-27, 2011 organized by Academic Staff College, JMI, New Delhi.

- 94th four-week Orientation Program during Oct 18, 2010 - Nov 16, 2010 organized by Academic Staff College, JMI, New Delhi.

- International workshop on 'New Directions in Applied Mathematics' during January 01-03, 2010 organized by Indian Institute of Science, Bengaluru, Karnataka.

- ATM in Functional Analysis for Lecturers during June 02-13, 2008 organized by Indian Statistical Institute, Bangaluru Centre, Karnataka. (Funded by NBHM)

- Summer course on Module Decompositions: Some Aspects of Module and Ring Theory in 2002 at Aligarh Summer University, given by Prof. S. Tariq Rizvi, Ohio State Univ., U.S.A.

(J) Other Academic Activities:

- **Coordinator Ph.D.-** Department of Mathematics, JMI- 2023.
- **Coordinator-** 3rd online 2-Week Refresher Course in Computational and Mathematical Sciences during Oct. 22- Nov. 5, 2021 organized by HRDC, Academic Staff College, Jamia Millia Islamia, New Delhi.
- **External expert** – RDC, Department of Mathematics, Gautam Budda Univ.-2022.
- **Member BoS**- Applied Sciences & Humanities Section, Women's Polytechnic, AMU, Aligarh during 2024-26.
- **Member BoS**- Department of Mathematics, Faculty of Science, AMU, Aligarh during 2023-2025.
- **Member BoS-** Department of Mathematics, JMI, New Delhi.
- **Member-** International Organizing committee of First Joint IIIMT-Algebra Forum Conference during December 16-17, 2023 held at Mataram University, Indonesia.
- **Member-** Syllabus committee, Department of Mathematics, JMI 2024.
- **Member-** Departmental weeding committee, Department of Mathematics, JMI-2021.

- **Member-** Flying squad, Jamia Millia Islamia 2019.
- **Member-** Syllabus committee, Department of Mathematics, JMI 2015.
- **Member-** Faculty Committee, F/O Science, JMI.
- **Member-** for creation of Department of Statistics, JMI, New Delhi.
- **Inspire Faculty-** Department of Mathematics, F/O Natural Sciences, JMI- 2014.
- **Associate Editor-** JMI Intern. Journal of Mathematical Sciences, New Delhi.
- **Organizing Secretary-** International Conference on Differential Geometry, Algebra and Analysis (ICDGAA-16) during November 15-17, 2016 held at Department of Mathematics, Jamia Millia Islamia, New Delhi.
- **Treasurer-** International Conference on Algebra, Geometry, Analysis and their Applications (ICAGAA-14) during November 27-29, 2014 held at Department of Mathematics, Jamia Millia Islamia, New Delhi.
- **Treasurer-** International Conference on Differential Geometry, Functional Analysis and Applications (ICDGFAA-12) during September 08-10, 2012 held at Department of Mathematics, Jamia Millia Islamia, New Delhi.
- **Chairman**- of the Interview Board for direct recruitment of Teachers in Kendriya Vidyalaya Sangathan (KVS) from May 20-25, 2023.
- **VC Nominee**- For recruitment of teachers in Jamia Middle School, Jamia Sr. Sec. School and Screening Committee Department of Mathematics, JMI -2023.
- **Subject expert**- Screening cum evaluation committee for promotion in CiRBSc and Subject expert for recruitment of teachers in Jamia middle school- 2023.
- **Referee**- Several reputed national and international journals.

(K)Administrative Responsibilities:

- **Asstt. Suptd.** for U.G. courses and entrance exams of F/O Sciences during 2024-25.
- **Asstt. Suptd.** for U.G. courses and entrance exams of F/O Nat. Sci. during 2022-23.
- **Asstt. Suptd.** for the exams of U.G. (Private) courses at F/O Nat. Sci. during 2021.
- **Asstt. Suptd.** for the entrance exams of F/O Natural Sciences during 2020-21.
- **Asstt. Suptd.** for U.G. courses and entrance exams of F/O Nat. Sci. during 2015-17.
- **Asstt. Suptd**. for U.G. (Private) courses of F/O Hum. & Lang. and Soc. Sci. -2014.
- **Assistant** Dean Students' Welfare during 2024.
- **Assistant Proctor** during 2018-19.
- **In charge-** Departmental library, Department of Mathematics, JMI 2010-21.
- **In charge-** Timetable, Department of Mathematics, JMI 2021-22.
- **In charge-** Departmental extension lecture, Department of Mathematics, JMI 2022.
- **Member-**Institutional Innovation Council, JMI, New Delhi-2021.
- **Member-** for conducting Jamia admin. staff association (JASA) election, JMI-2021.
- **Member-** Assessment Committee for ex-servicemen in Proctor office, JMI-2022
- **Member-** Screening Comm. for various teaching posts of Jamia Mid Sch., JMI-2023.
- **Member-** for revising qualification of teaching position of Jamia Schools, JMI-2023.
- **Member-** Interview Committee for hostel admission, JMI-2018.
- **Warden**- Dr. APJ Abdul Kalam Hostel, Dr. Zakir Husain Hall, JMI during 2023.
- **Warden**- SRK/ Obaid Ullah Sindhi Hostel, Dr. Z. H. Hall, JMI during 2018-19.
- **Warden**- Jamia School Hostels from 2015-18.
- **Convener- DRC**, Department of Mathematics, JMI-2017.
- **Identification Officer**- B. Tech. Entrance Test, JMI -2012.

- **Manager**- Tennis of Faculty of Natural Sciences during 2010.
- **Manager**- Volleyball of Faculty of Natural Sciences during 2015.
- **Co-opted Member-** Hospitality team of Annual Convocation- 2015.
- **Co-opted Member-** Hospitality team of Annual Convocation-2016.

(L)Edited Books:

- The book entitled "Algebra, Geometry, Analysis and their Applications" (Edit.) published by Narosa Publishing House (2017) ISBN No. 978-81-8487-561-4.

- The book entitled "Differential Geometry, Functional Analysis and Applications" (Assoc. Edit.) published by Narosa Pub. House (2015) ISBN No. 978-81-8487-421-1.

(M)Research Publications:

1. Sabahat A Khan, M. Y. Abbasi, K. Hila and Ahmad Raza, Some Characterizations of Γ−Semihypergroups by Soft Generalized Γ-hyperideals, *Iranian Journal of Mathematical Sciences and Informatics* - (Accepted)

2. T. R. Mir, M. Y. Abbasi, Extensions of soft fractional Ideals using soft semistar operations approach on Integral domains, *Journal of Algebra and Related Topics*- (Accepted)

3. M.Y. Abbasi, Shahnawaz Ali, and S.A.Khan. On Quasi Covered ideals and Quasi Bases of Ordered Semigroups, *Honam Mathematical J.* 46(3) (2024), 500-514.

4. Shahnawaz Ali, Mohammad Y. Abbasi, Kostaq Hila, Sabahat Ali Khan, Characterizations of QC-hyperideals in Semihypergroups, *Afrika Matematika* 35, 74 (2024). https://doi.org/10.1007/s13370-024-01215-3.

5. Akbar Ali, Sabahat Ali Khan, Mohammad Yahya Abbasi, A Study of bi-bases of Ternary Semigroups, *Afrika Matematika*, 35(1) 27 (2024).

6. F. Sikader, Tasaduk Rashid Mir, M.Yahya Abbasi, Characterizations and soft star-operations of soft fractional ideals on integral domains. *J.Umm Al-Qura Univ. Appll. Sci.* (2024). https://doi.org/10.1007/s43994-024-00189-z.

7. M Yahya Abbasi, Tasaduk Rashid Mir and Sabahat Ali Khan, Characterizations of soft fractional ideals and its R-multiples of integral domains, *Palestine Journal of Mathematics*, 13(3) (2024), 392-399.

8. M. Yahya Abbasi, Sabahat Ali Khan, Kostaq Hila and Ahmad Raza, Soft Hyper ideals and Soft Hyperfilters in *-ternary Semihypergroups, *J. of Multi-Valued Logic and Soft Computing*, 41(1-2) (2023),169-186.

9. S.A. Khan, M.Y. Abbasi, K. Hila and A.F. Talee, A Study of Soft Hyperideals in Right Regular LA-Semihypergroups, *Asian-European Journal of Mathematics*, 16(8) (2023) 2350141 .

10. F. Sikader, Shahnawaz Ali, M.Y. Abbasi, S.A.Khan, Interplay of Quasi Covered ideals and quasi bases in semigroup theory, *Results in Nonlinear Analysis*, 7(2)(2023), 43-52.

11. Sabahat Ali Khan, M. Yahya Abbasi, Ahmad Raza, A note on soft union gamma hypernear-rings, *Palestine Journal of Mathematics*, 11(4) (2022), 152-159.

12. Aakif Fairooze Talee, Mohammad Y. Abbasi, Kostaq Hila & Sabahat Ali Khan, A new approach towards int-soft hyperideals in ordered ternary semihypergroups, *Journal of Discrete Mathematical Sciences & Cryptography*, 25(5) (2022),1239-1259.

13. Adesh Kumari, Vinod Kumar and M. Yahaya Abbasi, EAAF: ECC-based anonymous authentication framework for cloud-medical system, *International Journal of Computers and Applications* 44(5) (2022),491-500.

14. Mohammad Y. Abbasi, Kostaq Hila, Sabahat A. Khan and Aakif F. Talee, A Study of Generalized Quasi-Hyperideals in Ordered Ternary Semihypergroups, *Thai Journal of Mathematics*, 19(4) (2021), 1585–1599.

15. Aakif Fairooze Talee, Mohammad Yahya Abbasi, and Kostaq Hila, Int-Soft Bi-Hyperideals in Ordered Ternary semihypergroups, *Annals of the University of Craiova, Mathematics and Computer Science Series*, 48(2), (2021), 234-243.

16. Aakif Fairooze Talee, Mohammad Yahya Abbasi and Kostaq Hila, An Investigation on Int-Soft Interior Hyperideals in Ordered Ternary Semihypergroups, *Applied Mathematics and Information Sciences* 15(2) (2021), 123-129.

17. M. Y. Abbasi, Abul Basar and Akbar Ali, A Characterization of Ordered Γ-semigroups by Ordered (m, n)-Γ–ideals, *Boletim da Sociedade Paranaense de Matematica,* 39(4) (2021), 165-174.

18. Mohammad Yahya Abbasi, Sabahat Ali Khan and Akbar Ali, A Note on Soft Ideals and Soft Filters in Ternary Semigroups with Involution, *Discussiones Mathematicae-General Algebra and Applications* 40 (2020), 119–133.

19. Mohammad Y. Abbasi, Kostaq Hila, Sabahat A. Khan and Aakif F. Talee, Characterizations of soft Γ-hyperideals in ordered Γ-semihypergroups, *Afrika Matematika*, 31 (2020), 847-867.

20. Aakif Fairooze Talee, M. Y. Abbasi, G. Muhiuddin and Sabahat Ali Khan, Hesitant fuzzy sets approach to ideal theory in ordered Γ-semigroups, *Italian Journal of Pure and Applied Mathematics*, 43 (2020), 73–85.

21. Adesh Kumari, Vinod Kumar, M. Yahya Abbasi, S. Kumari, P. Chaudhary and C-M Chen, CSEF: Cloud-Based Secure and Efficient Framework for Smart Medical System Using ECC, *IEEE Access* 8 (2020), 107838-107852

22. A. Kumari, S. Jangirala, M. Yahya Abbasi, V. Kumar and M. Alam, ESEAP: ECC based Secure and Efficient Mutual Authentication Protocol using Smart card, *Journal of Information Security and Applications*, 51 (2020), 102443

23. M. Y. Abbasi, S. A. Khan, A. F. Talee and A. Khan, Soft Interior-hyperideals in Left Regular LA-semihypergroups, *Kragujevac Journal of Mathematics*, 44(2) (2020), 217–236.

24. M. Y. Abbasi, Akbar Ali and Abul Basar, A study of *-bi-Ideals and *-Quasi-Ideals to Characterize Ordered *-Semigroups, *Southeast Asian Bulletin of Mathematics*, 44 (2020), 605–612.

25. Mohammad Yahya Abbasi, Sabahat Ali Khan and Akbar Ali, On Ordered (p, q)-lateral ideals in Ordered Ternary Semigroups, *Applications and Applied Mathematics-An International Journal*, 14(2) (2019), 1157 – 1168.

26. Aakif Fairooze Talee, Mohammad Yahya Abbasi, Sabahat Ali Khan & Kostaq Hila, Fuzzy Set Approach to Hyperideal Theory of Po-Ternary Semihypergroups, *Journal of Discrete Mathematical Sciences & Cryptography*, 22(3) (2019), 411-431.

27. A. Kumari, M. Yahya Abbasi, V. Kumar, A. A. Khan, A secure user authentication protocol using elliptic curve cryptography, *Journal of Discrete Mathematical Sciences & Cryptography,* 22(4) (2019),521–530.

28. Sabahat Ali Khan, Mohammad Yahya Abbasi and Akbar Ali, A Study on Covered Lateral Ideals of Ordered Ternary Semigroups, *Quasigroups and Related Systems*, 27(2019), 73-76.

29. M.Y. Abbasi, Abul Basar and Akbar Ali, On Bi-Γ-Ideals in Γ-semigroups with Involution, *Italian Journal of Pure and Applied Mathematics,* 41(2019), 399-404.

30. A. Basar and M. Y. Abbasi, On   Some Properties of Normal Γ-ideals in Normal Γ-semigroups, *TWMS J. App. and Eng. Math*. 9(3) (2019), 455-460.

31. Abul Basar, Mohammad Yahya Abbasi and Sabahat Ali Khan, An Introduction of Theory of Involutions in Ordered Semihypergroups and their Weakly Prime Hyperideals, *Journal of the Indian Mathematical Society*, 86(3-4) (2019), 230-240.

32. M. Y. Abbasi and Abul Basar, Some Properties of Valuation Ideals and Primary Ideals in Additive Semigroups, *Thai Journal of Mathematics*, 17(1) (2019), 99–106.

33. Abul Basar, Shahnawaz Ali, Mohammad Yahya Abbasi, Bhavanari Satyanarayana, Poonam Kumar Sharma, On Some Hyperideals in Ordered Semihypergroups, *Journal of New Theory*, 29 (2019) 42-48.

34. Abul Basar and Mohammad Yahya Abbasi, Some Properties of Q-Fuzzy Ideals in po-Γ -semigroups, *Palestine Journal of Mathematics*, 7(2) (2018), 505-511.

35. M.Y. Abbasi, A. Basar, A.F. Talee and S.A. Khan, Generalized (ξ,ζ)-) Soft Interior Γ-hyperideals of Γ-semihypergroups, *Honam Mathematical Journal*, 40(1) (2018), 93-108.

36. Mohammad Y. Abbasi, Aakif F. Talee, Sabahat A. Khan, and Kostaq Hila, A Hesitant Fuzzy Set Approach to Ideal Theory in Γ-Semigroups, Advances in Fuzzy Systems, Volume 2018, Article ID 5738024, 6 pages, doi: 10.1155/2018/5738024.

37. A. Fairooze Talee, M. Yahya. Abbasi, S. Ali Khan, Hesitant Fuzzy Sets Approach to Ideal Theory in Ternary Semigroups, *International Journal of Applied Mathematics*, 31(4) (2018), 527-539.

38. Aakif Fairooze Talee, M.Y. Abbasi and S. A. Khan, An Investigation on Prime and Semiprime Fuzzy Hyperideals in po-ternary Semihypergroups, *Applications and Applied Mathematics- An International Journal,* 13(2) (2018), 1184-1199.

39. M.Y. Abbasi, A. F. Talee, X.Y. Xie and S.A. Khan, Hesitant Fuzzy Ideal Extension in Po-semigroups, *TWMS J. App. Eng. Math.,* 8(2) (2018), 509-521.

40. M.Y. Abbasi, Sabahat Ali Khan, Aakif Fairooze Talee, Lateral Hyperbases and Covered Lateral Hyperideals of Ordered Ternary Semihypergroups, *International Journal of Advance Research in Science and Engineering,* 6(11) (2017), 1783-1797.

41. Mohammad Yahya Abbasi, Sabahat Ali Khan and Abul Basar, On Generalised Quasi-ideals in Ordered Ternary Semigroups, *Kyungpook Math. J.,* 57(2017), 545-558.

42. Mohammad Yahya Abbasi and Sabahat Ali Khan, On Some Generalized Ideals in Ternary Semigroups, *Quasigroups and Related Systems*, 25 (2017), 181-188.

43. Abul Basar and Mohammad Yahya Abbasi, On Covered Γ-Ideals in Γ-semigroups, *Global Journal of Pure and Applied Mathematics*, 13 (5) (2017), 1467-1472.

44. Abul Basar and Mohammad Yahya Abbasi, On Some Powerful Ideals of Semigroups, *Gulf Journal of Mathematics*, 5(1) (2017), 102-107.

45. Abul Basar and Mohammad Yahya Abbasi, On Ordered Bi-Γ-ideals in Ordered Γ-semigroups, *Journal of Discrete Mathematical Sciences & Cryptography*, 20(3) (2017), 645-652.

46. Abul Basar, M.Y. Abbasi, Sabahat Ali Khan, Some Properties of Covered Γ-ideals in Po-Γ-semigroups, *International Journal of Pure and Applied Mathematics,* 115(2) (2017), 345-352.

47. Aakif Fairooze Talee, M.Y. Abbasi and Sabahat Ali Khan, Hesitant Fuzzy Ideals in Semigroups with two Frontiers, *Journal of Basic and Applied Engineering Research*, 4(6) (2017), 385-388.

48. Aakif Fairooze Talee, M.Y. Abbasi and Sabahat Ali Khan, Hesitant Fuzzy Ideals in Semigroups with a Frontier, *Aryabhatta Journal of Mathematics & Informatics*, 9(1) (2017), 163-170.

49. M.Y. Abbasi and Abul Basar, A Note on Ordered Bi- Γ -Ideals in Intra-Regular Ordered Γ-semigroups, *Afrika Matematika*, 27 (2016), 1403-1407.

50. M. Y. Abbasi and Abul Basar, A Note on Ordered Quasi- Γ-Ideals in Intra-Regular Po-Γ-semigroups, *International Journal of Pure and Applied Mathematics*, 98(2) (2015), 221-230.

51. Abul Basar and Mohammad Yahya Abbasi, On Generalized Bi-Γ-ideals in Γ–semigroups, *Quasigroups and Related Systems*, 23 (2015), 181-186.

52. M. Y. Abbasi and Abul Basar, Some Properties of Ordered 0-Minimal (0, 2) bi- Γ -Ideals in po-Γ-semigroups, *Hacettepe Journal of Mathematics and Statistics,* 44(2) (2015), 247-254.

53. M. Y. Abbasi and Abul Basar, On Generalizations of Ideals in LA- Γ-semigroups, *Southeast Asian Bulletin of Mathematics,* 39 (2015), 1-12.

54. M. Y. Abbasi and Abul Basar, Weakly Prime Ideals in Involution po- Γ-semigroups, *Kyungpook Math. J.*, 54(2014), 629-638.

55. Satyanarayana Bhavanari, Mohammad Yahya Abbasi, Abul Basar and Shyam Prasad Kuncham, Some Results on Abstract Affine Gamma Near-Rings, *International Journal of Pure and Applied Mathematical Sciences*, 7(1) (2014), 43-49.

56. M. Y. Abbasi and Abul Basar, On Ordered Quasi-Gamma Ideals of Regular Ordered Gamma-Semigroups*, Algebra*, Volume (2013) Article ID 565848,7pages, doi:10.1155/ 2013/ 565848.

57. M. Y. Abbasi, Abul Basar, On One-Sided Prime Ideals of b-Semirings, *International Mathematical Forum,* 7(22) (2012), 1065-1069.

58. A. Mehdi, M. Y. Abbasi and A. Sirohi, Quasi-Isomorphism and Some Quasi-Isomorphic Invariants of QTAG-Modules, *Communications in Algebra*, 38 (2010), 752 – 758.

59. A. Mehdi and M. Y. Abbasi, Upper Basic and Congruent Submodules of QTAG-Modules, *SCIENTIA Series A: Mathematical Sciences*, 16 (2008), 96–104.

60. Fazal Mehdi, Mohd Yahya Abbasi and Anu Sirohi, On Quasi- Isomorphic QTAG-Modules, *J. Rajasthan Acad. Phy. Sci.,* 5(2) (2006), 153-158.

61. Alveera Mehdi, Mohd Yahya Abbasi and Fazal Mehdi, On High Submodules of QTAG-Modules of Length (w+n), *Ganita Sandesh,* 20(1) (2006), 1-6.

62. Alveera Mehdi, Mohd Yahya Abbasi and Fazal Mehdi, On (w+n) Projective Modules, *Ganita Sandesh*, 20(1) (2006), 27-32.

63. Alveera Mehdi, Mohd Yahya Abbasi and Fazal Mehdi, U-Decomposable Modules, *J. Rajasthan Acad. Phy. Sci.,* 5(1) (2006), 13-18.

64. Fazal Mehdi, Alveera Mehdi and Mohd Yahya Abbasi, On Endomorphism Rings of QTAG-Modules, *J. Rajasthan Acad. Phy. Sci.,* 4(1) (2005), 69-72.

65. Fazal Mehdi, Alveera Mehdi and Mohd Yahya Abbasi, On QTAG and HF-Modules, *South East Asian J. Math & Math. Sc.,* 3(2) (2005), 123-127.

66. Alveera Mehdi, Mohd Yahya Abbasi and Fazal Mehdi, On Some Structure Theorems of QTAG-Modules of Countable ULM Type, *South East Asian J. Math & Math. Sc.* 3(3) (2005), 103-110.

67. Alveera Mehdi, Mohd Yahya Abbasi and Fazal Mehdi, Nice Decomposition Series and Rich Modules, *South East Asian J. Math & Math. Sc*. ,4(1) (2005), 1-6.

68. Fazal Mehdi, Alveera Mehdi and Mohd Yahya Abbasi, On QTAG-Modules, *Ganita Sandesh* 18(2) (2004), 157-164.

(N)Proceedings/ Book Chapters:

1. A. Kumari, M.Yahya Abbasi and M. Alam, "A smartcard-based key agreement framework for cloud computing using ECC", Proceedings of the 3rd International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV-2021), 438-443, DOI: 10.1109/ICICV50876.2021.9388629, ISBN: 978-0-7381-1183-4

2. A. Kumari, M. Yahya Abbasi and M. Alam, "A Secure Key Agreement Framework for Cloud Computing using ECC", Proceeding of the International Conference on Expert Clouds and Applications (ICOECA-2021) Part of the *Lecture Notes in Networks and Systems* book series (LNNS, volume 209) 2021, 577-584, DOI: 10.1007/978-981-16-2126-0-46, ISSN: 2367-3370

3. Mohammad Yahya Abbasi, Sabahat Ali Khan, Ahmad Raza, Applications of Soft Intersection Sets in Hypernear Rings, Conference Proceeding Science and Technology, 3(1), 2020, 191–197. ISSN 978-605-69387-1-9

4. A. Kumari, M. Y. Abbasi, V. Kumar, M. Alam, Design Flaws and Cryptanalysis of a Standard Mutual Authentication Protocol for Cloud Computing-Based Healthcare System, Lecture Notes in Electrical Engineering, Book series (LNEE, volume 612) 2020, 99-109. ISBN(p)978-981-15-0371-9, ISBN(o) 978-981-15-0372-6

5. Akbar Ali, M. Y. Abbasi, and Sabahat Ali Khan, A Note on Generalized Po-bi-quasi Γ-ideals in Po-bi-ternary Γ-semigroups, AIP Conference Proceedings 2061, 020005 (2019), https://doi.org/10.1063/1.5086627, ISSN(p): 0094243X, ISSN(e): 15517616

6. M.Y. Abbasi, Sabahat Ali Khan and Aakif Fairooze Talee, Characterizations of Right Regular Ordered LA-semihypergroups via. Soft Hyperideals, Applications of Artificial Intelligence Techniques in Engineering, Advances in Intelligent Systems and Computing, 34(2019), 361-375, ISBN(p): 78-981-13-0761-4, ISBN(e): 78-981-13-0761-4

7. Sabahat Ali Khan, M.Y. Abbasi and Aakif Fairooze Talee, A New Approach to Soft Hyperideals in LA-semihypergroups. In: Yadav N., Yadav A., Bansal J., Deep K., Kim J. (Eds.) Harmony Search and Nature Inspired Optimization Algorithms. Advances in Intelligent Systems and Computing, Vol.741(2019) 293-303, ISBN(p): 978-981-13-0760-7, ISBN(e): 978-981-13-0761-4

8. A. Kumari, M. Yahya Abbasi, V. Kumar, and M. Alam, "The Cryptanalysis of a Secure Authentication Scheme Based on Elliptic Curve Cryptography for IOT and Cloud Servers", Proceeding of the International conference on Advances in Computing, Communication Control and Networking (ICACCCN- 2018), 321-325, DOI: 10.1109/ICACCCN.2018.8748641, ISBN(e):978-1-5386-4119-4 ISBN(p):978-1-5386-4120-0

9. M.Y. Abbasi, Aakif Fairooze Talee and S. A. Khan, An application of hesitant fuzzy ideal techniques to the Intra-regular and weakly-regular po-semigroup, Proceedings of IIRAJ International Conference (ICCI-SEM-2K17), GIFT, Bhubaneswar, India, (2017) 101-107, ISBN No. 978-93-86352-38-5.

10. M.Y. Abbasi and Abul Basar, A Note on Prime and Irreducible Generalized bi-Γ ideals in Γ-semigroups, Algebra, Geometry, Analysis and their Applications Narosa Publishing House, New Delhi (2017) 77-82, ISBN No.978-81-8487-561-4.

(O)Invited talk / Session Chaired in National & International Conferences:

- Chaired a session in the Symposium on National Mathematics Day on December 22, 2024 at Department of Mathematics, JMI. New Delhi.

- Chaired a session in the International Conference on Math. Sciences and its Appl. during Oct. 15-17, 2024 held at SGTB Khalsa College, University of Delhi.

- Delivered an invited talk on "On soft hyprtideals in ternary simihypergroups with involution" in the Inter. Conf. on Mathematical Sciences and its Applications during Oct. 15-17,2024 organized by SGTB Khalsa College, University of Delhi.

- Delivered an invited talk on "On Soft intersection Generalized Γ- hyperideals of Γ-semihypergroups" in the Inter. Conf. on Math. Sciences and its Appl. to Artificial Intelligence during Jan. 17-19,2024 organized by SRM University, Sonepat, Haryana.

- Chaired a session in the International Conference on Pure and Applied Mathematics during Feb. 8-10,2024 held at SLC College, University of Delhi.

- Chaired a session in the First Joint IIIMT-Algebra Forum Conference during Dec. 16-17, 2023 held at Mataram University, Indonesia.

- Co-Chaired a session in the National Conference on Recent Advances in Mathematics during May 5-6, 2023 held at Aggarwal College Ballabhgarh, Haryana.

- Delivered an invited talk on "Some Characterizations of Γ-semihypergroups by Soft algebraic hyperstrucres" in the National Conference on Recent Advances in Mathematics during May 5-6, 2023 organized by Aggarwal College Ballabhgarh, Haryana.

- Chaired a session in the International Conference on Dynamical Systems and Numerical Methods during May 20-21, 2022 held at Department of Mathematics, JMI. New Delhi.

- Chaired a session in the National Seminar on Recent Trends in Mathematics on Dec. 22, 2021 held at Aggarwal College Ballabhgarh, Haryana.

- Chaired a session in the 2nd 2-Week Refresher Course in Comp. and Math. Sciences during Feb. 07-20, 2020 held at UGC-HRDC, JMI, New Delhi.

- Chaired a session in the 1st 3-Week Refresher Course in Comp. and Math. Studies during Aug. 29 - Sept. 19, 2018 held at UGC-HRDC, JMI, New Delhi.

- Chaired a session in the National Conference on Recent Trends and Inno. in Pure and Appl. Maths. during Feb. 23-24, 2018 held at DAV College, Jalandhar, Punjab.

- Delivered an invited talk on "Generalized Ideals in Ternary Structures" in the National Conference on Recent Trends and Innovations in Pure and Applied Mathematics during Feb 23-24, 2018 organized by DAV College, Jalandhar.

- Chaired a session in the National Conference on Recent Devel. in Algebra and Analysis during Dec. 13-14, 2018 held at G.G.M. Science College, Jammu.

- Delivered an invited talk on "Soft Interior-hyperideals in Left Regular LA-semihypergroups" in the National Conference on Recent Developments in Algebra and Analysis during Dec 13-14, 2018 held at G.G.M. Science College, Jammu.

(P)Papers Presented in National / International Conferences:

1. Presented a paper entitled "*Soft hyperideals and soft hyperfilters in *-ternary semihypergroups*" in the 8th International Congress on Fundamental and Applied Sciences (ICFAS2021) during October 19 – 21, 2021 organized by Antalya Bilim Univesity, Antalya, Turkey.

2. Presented a paper entitled *"Hesitant fuzzy ideals in ordered Γ-semigroups"* in the International Conference on Recent Trends in Mathematics (ICRTM-21) during September 06-07, 2021 organized by Himachal Mathematical Society, Department of Mathematics & Statistics, H.P. University, Shimla, Himachal Pradesh.

3. Presented a paper entitled *"A note on ordered semihypergroups with involution"* in the International Conference on Algebra and Related Topics with Applications (ICARTA-19) during December 17- 19, 2019 organized by Department of Mathematics, A.M.U., Aligarh, U.P.

4. Presented a paper entitled *"An application of hesitant fuzzy ideal techniques to the intra-regular and weakly-regular po-semigroup"* in the International Conference on Contemporary Issues in Science, Engineering and Management (ICCI-SEM-2K17) during Feb 18–19, 2017 organized by GIFT, Bhubaneswar, Odisha.

5. Presented a paper entitled *"A Study of Q-Fuzzy Ideals in Po-Γ-semigroups"* in the International Conference on Differential Geometry, Algebra and Analysis during November 15-17, 2016 organized by Department of Mathematics, Jamia Millia Islamia, New Delhi.

6. Presented a paper entitled "*Some properties of Q-Fuzzy ideals in po-Gamma-semigroups"* in the International Conference on Mathematics, Physics & Allied Sciences during March 03-05, 2016 organized by Carmel College Nuvem, Goa.

7. Presented a paper entitled *"Weakly prime ideals in ordered Gamma-semigroups with involution"* in the International Conference on Mathematical and Computational Sciences (ICMACS-2015) during January 22-24, 2015 organized by Don Bosco College, Kannur, Kerala.

8. Presented a paper entitled *"On Prime and irreducible Generalized Bi-Γ-ideals in Γ-semigroups"* in the International Conference on Algebra, Geometry, Analysis and their Applications during November 27-29, 2014 organized by Department of Mathematics, Jamia Millia Islamia, New Delhi.

9. Presented a paper entitled "*Prime ideals in b-semirings*" in the National Conference on Emerging Trends in Mathematics & its applications during February 04-06, 2012 organized by DAV College, Jalandhar, Punjab.

10. Presented a paper entitled "*HF- Modules and Isomorphic High Submodules of QTAG-Modules"*, in the sixth China-Japan-Korea International Conference on Ring and Module theory during June 27, 2011-July 2, 2011 organized by Kyung Hee University, Suwon, South Korea.

11. Presented a paper entitled *"Nice decomposition series and rich modules*" in the International Conference on Algebra and its Applications (ICAA-10) during February 20- 22, 2010 organized by Department of Mathematics, A.M.U., Aligarh, U.P.

12. Presented a paper entitled *"On Some Structure theorems of QTAG-Modules"* in the International Conference on Recent Trends in Mathematics and Its Applications (ICRTMA-09) during March 30- 31, 2009 organized by Department of Mathematics, Jamia Millia Islamia, New Delhi.

(Q)Conferences/ Symposium Attended:

1. Participated in First Joint IIIMT-Algebra Forum Conference during Dec. 16-17, 2023 organized by Mataram University, Indonesia.

2. Participated in the 8th International Congress on Fundamental and Applied Sciences (ICFAS2021) during October 19 – 21, 2021 organized by Antalya Bilim University, Antalya, Turkey.

3. Participated in the "International Conference on Expert Clouds and Applications (ICOECA-2021)" during February 18-19, 2021 organized by Department of Computer Science and Engineering, GITAM University, Bengaluru, Karnataka.

4. Participated in the "3rd International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV-2021)" during February 04-06, 2021 organized by Francis Xavier Engineering College, Tirunelveli, Tamil Nadu.

5. Participated in the "35th Annual Conference of the Ramanujan Mathematical Society" during December 28-30, 2020 organized by Department of Mathematics, Central University of Rajasthan, Ajmer, Rajasthan.

6. Participated in the "International Online Symposium on Recent Technologies in Computer Science" on June 30, 2020 organized by Department of Computer Science, JMI, New Delhi.

7. Participated in the Webinar on "Mathematics Behind Machine Learning" on August 20, 2020 organized by Department of Applied Sciences and Humanities, Mewat Engineering College, Nuh, Haryana.

8. Participated in the "International Conference on Innovative Trends in Applied Physical, Chemical, Mathematical Sciences, Statistics and Emerging Energy Technologyfor Sustainable Development (APCMSET-2017)" on July 08, 2017 organized by Krishi Sanskriti Publication at Convention Centre, Jawaharlal Nehru University, New Delhi.

9. Participated in the "4th International Conference on Recent Advances in Engineering Science and Management (ICRAESM-17on Nov. 26, 2017 organized by Institution of Electronics and Tele Communication Engineers, Chandigarh, Punjab.

10. Participated in the "International Conference on Mathematics & Engineering Sciences" during March 20-22, 2014 organized by Chitkara University, Himachal Pradesh.

11. Participated in the "International Conference on Mathematics & Information Technology" during March 15-16, 2013 organized at Chennai.

12. Participated in the "Conference on Recent Trends in Algebra and Analysis" during March 03-05, 2013 organized by Department of Mathematics, A.M.U., Aligarh, U.P.

13. Participated in the "27th Annual Conf. of Ramanujan Mathematical Society" during Oct 20-23, 2012 organized by Shiv Nadar University, Gautam Budh Nagar, U.P.

14. Participated in the "National Conference on Nonlinear Analysis and Applications" during June 05-07, 2010 organized by HNB Garhwal University Campus Pauri, Uttarakhand.

15. Participated the "25th Annual Conference of Ramanujan Mathematical Society" during May 03-05, 2010 organized by Dr. B. R Ambedkar NIT, Jalandhar, Punjab.

16. Participated in the "International Conference on Recent Trends in Mathematics and its Applications (ICRTMA-09)" during March 30-31, 2009 organized by Department of Mathematics, JMI, New Delhi.

17. Participated in the "International Conf. on Analysis and Applications (ICAA-08)" during Nov.03-05, 2008 organized by Dept. of Mathematics, A.M.U., Aligarh, U.P.

18. Participated the "23rd Annual Conf. of Ramanujan Mathematical Society" during May 19- 21, 2008 organized by Department of Mathematics, I.I.T., Kanpur, U.P.

19. Participated in the "International Sym. on Theory of Rings and Modules" during May 07-08, 2003 organized by Department of Mathematics, A.M.U., Aligarh, U.P.

20. Participated in the "Conference on Recent Trends in Algebra and Analysis" during March 03-05, 2003 organized by Department of Mathematics, A.M.U., Aligarh, U.P.

(Mohammad Yahya Abbasi)