

VIVEKANANDA MISSION MAHAVIDYALAYA

FACULTY ACADEMIC PROFILE/CV



Full name of the faculty : **DR. MD FIROJ ALI**

Designation: Assistant Professor

Specialization: Semigroup Theory

Contact information:

Department of Mathematics

Vivekananda Mission Mahavidyalaya, Chaitanyapur, Haldia, 721645

Email: ali.firoj97@gmail.com , Mobile: +918791277458.

Academic qualifications:

College/ university name	Abbreviation of the degree
Aligarh Muslim University	B.Sc(H) in Mathematics
Aligarh Muslim University	M.Sc in Mathematics
University of Gour Banga	B.Ed
Aligarh Muslim University	M.Phil
Aligarh Muslim University	Ph.D

Achievements/Certifications

- ❖ Received National Fellowship for OBC Candidates(NFOBC) during Research from UGC.
- ❖ Qualified CSIR-JRF in 2016

Research interests:

Algebraic Structure and Hyperstructure, Semigroup theory, Semihypergroups, Ideal Theory.

Research guidance:

Number of researchers awarded M.Phil/ Ph.D degrees: 0

Number of researchers pursuing M.Phil/ Ph.D:

Select list of publications:

a) Journals: Annex.1

b) Conference/ Seminar/Workshop: Annex. 2

c) Books/ book chapters: 0

Research Publications

1. Ahsan Mahboob, Abdus Salam, Md. Firoj Ali and Noor Mohammad Khan, “Characterizations of regular ordered semigroups by $(\in, \in \vee(k^*, q_k))$ -fuzzy quasi ideals”, Mathematics, 2019, 7, 401. SCI, IF: 1.747.
2. Noor Mohammad Khan and Md. Firoj Ali, “Relative bi-ideals and relative quasi-ideals in ordered semigroups”, Hecettepe Journal of Mathematics and Statistics, 2019, pp-1-12. SCIE.
3. Noor Mohammad Khan and Md. Firoj Ali and Ahsan Mahboob, “Relative ideals in ordered semigroups”, Indian Journal of Pure and Applied Mathematics, 2020, 51(4), pp-1497-1514, SCIE.
4. Ahsan Mahboob and Md. Firoj Ali and Noor Mohammad Khan, “Relative hyperideals in ordered semihypergroups”, (communicated).
5. Md. Firoj Ali, Ahsan Mahboob and Noor Mohammad Khan, “Relative bi- and quasi hyperideals in ordered semihypergroups”, (about to accept in IJMSI).
6. Md. Firoj Ali and Noor Mohammad Khan, “Characterization of ordered semigroups by covered hyperideals”, (published). Kragujevac Journal of Mathematics, 2020, ESCI, SCOPUS, IF: 0.6.
7. Md. Firoj Ali and Noor Mohammad Khan, “Characterization of (m,n) -regular ordered semihypergroups” (Communicated).

International Conferences attended/participated

1. Participated in an International Conference Recent Advances in Mathematical Biology, Analysis and Applications (ICMBAA-2015) organized by the Department of Applied Mathematics, Zakir Hussain College of Engineering and Technology, Aligarh Muslim University, Aligarh, India, June 04-06, 2015.
2. Participated in an International Conference on Semigroups Algebras and Applications (ICSAA-2015) organized by the Department of Mathematics, Cochin University of Science and Technology, Kochi, Kerala, India, September 17-19, 2015.
3. Participated in an International Conference on Algebra and its Applications (ICAA-2016) organized by the Department of Mathematics, Aligarh Muslim University, Aligarh, India, November 12-14, 2016.
4. Presented a paper on “Relative ideals in ordered semigroups” in the International Conference on Algebra and Applied Analysis (ICAAA-2018) organized by the Department of Mathematics, Integral University, Lucknow (U.P.), India, August 09-11, 2018.
5. Presented a paper on “Relative bi-ideals and quasi-ideals in ordered semigroups” in the International Conference on Algebra and Related Topics with Applications (ICARTA-2019) organized in the Department of Mathematics, Aligarh Muslim University, Aligarh, India, December 17-19, 2019.
6. Participated in an international webinar on “A Two-day International Webinar on Algebra, Analysis and Topology” organized by the Department of Mathematics, Bankura University, Bankura, West Bengal, India, August 13-14, 2020.
7. Participated in faculty development programme on “six day faculty development programme on Mathematics and Statistics in Emerging Field” organized by the Department of Mathematics, KPR Institute of Engineering and Technology, Coimbatore, Tamil Nadu, India, July 05-10, 2021.
8. Participated in the webinar on “Stability Analysis of Nonlinear Dynamical Systems Modelled in State Space” organized by the Department of Mathematics, KPR Institute of Engineering and Technology, Coimbatore, Tamil Nadu, India, July 17th, 2021.
9. Participated in the Faculty Development Programme on “Scientific Application Packages for State-of-the-Art Technical Computing” organized by the Department of Mathematics, Presidency University, Bangalore, Karnataka, India, March 14-18, 2022.