CURRICULUM VITAE

Dr. Abhay Rajpoot

Assistant Professor

Department of Mathematics

Indra Gandhi Govt PG College Bangarmau

Unnao U. P.-209868

E-Mail: *abhayrajput8181@gmail.com*

Mobile No. 8707043703

Personal Details

Father's Name	: Mr. Ram Autar
Date of Birth	: July 10, 1992
Marital status	: Unmarried
Language Proficiency	: English / Hindi
Nationality	: Indian

Present Occupation

- Assistant Professor, Department of Mathematics Indra Gandhi Govt PG College Bangarmau Unnao U.P. -209868
- Worked as nodal officer in tablet / smartphone distribution scheme

Address

(A) Office : Department of Mathematics
Indra Gandhi Govt PG College Bangarmau
Unnao U.P. -209868

(B) Residence : Village- Raypur, Post- Bannapur, Thana Shivli,
Kanpur Dehat, U.P. – 209204

(C) E-mail address   : abhayrajput8181@gmail.com

EDUCATIONAL QUALIFICATIONS

- Ph.D. in **Mathematics** from IIT (BHU) Varanasi in 2022
- Post Graduate in **Mathematics** from Banaras Hindu University in 2016
- Graduation in **Physics, Chemistry & Mathematics** from Shri C. B. Singh Memorial Shikshan Sansthan Jhinjhak Kanpur Dehat in 2014
- Intermediate from UP Board in 2009
- High School from UP Board in 2007

OTHER QUALIFICATION

- Qualified CSIR-UGC NET-JRF

PUBLICATIONS

- Abhay Rajpoot, and Lavanya Selvaganesh. "Bounds of the Symmetric Division Deg Index for Trees and Unicyclic Graphs with A Perfect Matching." Iranian Journal of Mathematical Chemistry (2020) 11(3): 141-159. doi: 10.22052/IJMC.2020.214829.1481
- Abhay Rajpoot, and Lavanya Selvaganesh. "Extension of M-polynomial and degree based topological indices for nanotube." TWMS Journal of Applied and Engineering Mathematics (2021) 11: 268-279. http://jaem.isikun.edu.tr/web/index.php/archive/109-vol11-special-issue/656-extension-of-m-polynomial-and-degree-based-topological-indices-for-nanotube
- Abhay Rajpoot, and Lavanya Selvaganesh. "Bounds and Extremal graphs of Second Reformulated Index for Graphs with Cyclomatic Number at Most Three." Kuwait Journal of Science (2022) 49(1): 1-21. https://doi.org/10.48129/kjs.v49i1.10447
- Abhay Rajpoot, and Lavanya Selvaganesh. "Study of bounds and Extremal Graphs of Symmetric Division Degree Index for Bicyclic graphs with Perfect Matching.", Iranian Journal of Mathematical Chemistry (2022) 13(2): 145-165. https://doi.org/10.22052/IJMC.2022.243396.1605
- Abhay Rajpoot, and Lavanya Selvaganesh. "Potential application of novel AL-indices as molecular descriptors.", Journal of Molecular Graphics and Modelling 118 (2023): 1-10,108353. https://doi.org/10.1016/j.jmgm.2022.108353

- Abhay Rajpoot, and Lavanya Selvaganesh. "Supplementary Data for Potential application of novel AL-indices as molecular descriptors.", Journal of Molecular Graphics and Modelling 118 (2023):1-10 and 1-7,108353.   https://ars.els-cdn.com/content/image/1-s2.0-S1093326322002327-mmc1.pdf

CONFERENCES / WORKSHOP

- Participated in a six-day workshop on "Algebraic Graph Theory" Organized by Department of Mathematical and Computational Sciences NITK Surathkal, January 25-30, 2018.
- Participated in "6th India-Taiwan Conference on Discrete Mathematics (ITCDM-2019)" Organized by Department of Mathematical Sciences IIT(BHU) Varanasi, November 15-18, 2019.
- Abhay Rajpoot: "Extension of M-polynomial and degree based topological indices of Nanotube" Paper presented in "International Conference on Graph Theory and its Applications (ICGTA-2019)" Organized by Department of Mathematics SSN College of Engineering Chennai Tamil Nadu India, November 20-21, 2019.
- Participated in "International Conference on Graph Connection (ICGC 2020)" Organized by Department of Mathematics and Statistics and Internal Assurance Cell (IQAC) Bishop Chulaparambil Memorial College Kottayam Kerala India, August 6-8, 2020.
- Participated in "Virtual Workshop on Domination Theory & Topological Indices" Organized by Department of Mathematics Mangalore University Mangalagangothri and Academy of Discrete Mathematics and Applications (ADMA), February 04-06, 2021.
- Participated in "Virtual International Conference on Discrete Mathematics - 2020 (VICDM-2020)" Organized by Department of Mathematics Mangalore University Mangalagangothri and Academy of Discrete Mathematics and Applications (ADMA), February 08-10, 2021.
- Participated in International Workshop on "Recent Trends in Applied Mathematics and Research Methodology" Organized by Department of Mathematics Govt MGM PG College Itarsi MP, March 04-05, 2021.
- Participated in International Workshop on "Fractional Calculus and Computational Intelligence" Organized by Department of Mathematics Govt MGM PG College Itarsi MP, January 06-07, 2022.
- Participated in National Seminar on "The Impact of Online Teaching-Learning on the Quality of Higher Education in India" Organized by

Department of Political Science, Government Girls PG College, Bindki, Fatehpur U.P., March 29-30, 2022.

- Participated in International Workshop on "Recent Trends in Modeling & its Applications-2022 (IWRTMIA 2022)" organized by Department of Mathematics, Post Graduate College, Ghazipur, UP 233001, India during September 04-08, 2022 in virtual mode
- Abhay Rajpoot: "APPLICATION OF SDD INDEX IN PCB MOLECULES" Paper presented in National Conference on "Ancient Mathematics and its Emerging Areas (AMEA-2022)" Organized by Department of Mathematics, Faculty of Engineering, TMU, Moradabad, held on 18-November 2022.

Declaration:

I hereby declare that the above statement made by me are true to the best of my knowledge and belief.

Date:

Place: Bangarmau Unnao   ABHAY RAJPOOT