

**OFFICE OF THE PRINCIPAL**  
**GOVERNMENT CHANDULAL CHANDRAKAR ARTS AND SCIENCE COLLEGE PATAN, DIST.-**  
**DURG (C.G.) INDIA 491111**

**LIST OF PUBLISHED PAPERS IN REPUTED JOURNALS IN 2024-25**

**(From Jun-2024 to Jun-2025)**

NOTE- Details of Papers, Book Chapters etc. Published in the Reputed National and International Journals with the name of Authors (Full Time Teacher of the Institute) in 2024-25

**PUBLISHED PAPERS**

- (1) Pratik Singh Thakur\*, Rohit Kumar Verma and Rakesh Tiwari, Analysis of Time Complexity of K-Means and Fuzzy C-Means Clustering Algorithm *Engineering Mathematics Letters* **2024**, 2024:4 <https://doi.org/10.28919/eml/8402> ISSN: 2049-9337 <http://scik.org>
- (2) Pratik Singh Thakur\*, Rohit Kumar Verma and Rakesh Tiwari, Feature reduction in multiple linear regression via bivariate correlation coefficients *Iran Journal of Computer Science* Volume 7, pages 777-784, (2024), p-ISSN: 2520-8438 e- ISSN: 2520-8446 <https://doi.org/10.1007/s42044-024-00206-8>  
<https://link.springer.com/article/10.1007/s42044-024-00206-8>
- (3) Rohit Kumar Verma, Jaynendra Shrivastava\*, Prachi Singh and Kuleshwari The generalized interpolative Kannan type contractions and common fixed points for two mappings *Eng. Math. Lett.* **2025**, 2025:3  
<https://doi.org/10.28919/eml/9045> ISSN:2049-9337 <http://scik.org>
- (4) Rohit Kumar Verma, Prachi Singh and Kuleshwari Common Fixed Point Results for Four Maps satisfying contractive condition in multiplicative b-metric spaces, *Advances in Fixed Point Theory* **2024**, 14 X ISSN: 1927-6303,  
<https://doi.org/10.28919/afpt8491>
- (5) Gaurav Sharma, An Analytical Study of Financial Attributes of Selected Listed Fast Moving Consumer Goods Companies in India, *Int. Res. Jour. Com. Arts & Sci.* **15(7)(2024)**, UGC ID 44854 doi: <http://dolog/10.32804/casirj> ISSN 2319-9202 (O) Impact Factor: 6.893 [www.casirj.com](http://www.casirj.com)
- (6) Gaurav Sharma, Digital Forensic Auditing and Investigation Way Forward Techniques For Digital Fraud Control in Banking Sector, *Int. Res. Jour. Com. Arts & Sci.* **16(1)(2025)**, UGC ID 44854 doi: <http://dolog/10.32804/casirj> ISSN 2319-9202 (O) Impact Factor: 6.893 [www.casirj.com](http://www.casirj.com)

- (7) Sewan Kumar Bharati, Yogendra Nisha Banjare, Sonia Singh, Jananakikiy Pratirup ka Bhaugolik Adhyayan (Mungeli Jile Ke vishesh sandarbh me) *International Journal of Creative Research Thoughts*, (IJCRT) Vol. 13, Issue 3, March 2025, ISSN: 2820-2882, [www.ijcrt.org](http://www.ijcrt.org)
- (8) Chandrashekhar Dewangan, Vijay Laxmi Dewangan, Rajnitik dalo ke ghoshna patr aur laingik adharit matdan vyawhar ka vishleshan, *International Education and Research Journal, Political Science* vol. 11, issue 5 May 2025, p. 89-92 e-ISSN: 2454-9916, <https://ierj.in/journal/index.php/ierj/article/view/144/4826>
- (9) Chandrashekhar Dewangan, Dr. Vijay Laxmi Dewangan and Dr. Pramod Yadav, Chhattisgarh ke Khairagarh Upchunav 2022 me Congress ke ghoshna patr ka matdan vyawhar par prabhav, Vishleshnatmak Adhyayan, *International Education of Applied Science Journal* e-ISSN: 2456-5040 doi: 10.61460/2456--5040

### **BOOK CHAPTERS**

- (1) Satish Kumar Sen, Praveen Jain, Akhilesh Kumar Singh, Role of Soil Algie in the Maintenance of Soil fertility and Soil Health, *Soil Algae* First Online 08 Feb 2025, 293-304 Springer Nature [www.springer.com](http://www.springer.com)

### **PUBLISHED PAPERS IN THE NATIONAL CONFERENCE**

- (1) Pratik Singh Thakur\* and Rohit Kumar Verma, Hard C-mean Clustering National Conference on *Advanced Studies in multidisciplinary Research*, Organized at Sai College, Bhilai (C. G.) India, ISBN-978-81-957386 4-9
- (2) Rohit Kumar Verma and Kuleshwari, Common fixed points on multiplicative b-metric spaces for compatible type mappings, National Conference on *Advanced Studies in multidisciplinary Research*, Organized at Sai College, Sector-6, Bhilai (C.G.), India, ISBN-978-81-957386 4-9

### **ACCEPTED PAPERS FOR PUBLICATION**

- (1) Pratik Singh Thakur\*, Rohit Kumar Verma and Rakesh Tiwari. Modified Electrical Fuzzy C-means Clustering Algorithm. Presented at AIR 2025, *Center of Excellence in Medical Robotics and Research, Nazarbayev University, Kazakhstan*. (Accepted for publication in **Scopus-indexed** book chapter, 2025).
- (2) Rohit Kumar Verma, Jaynendra Shrivastava\*, Kuleshwari and Prachi Singh, Fixed points of generalized interpolative Meir-Keeler type contraction, *Applied Maths E-Notes*, **Accepted** (AMEN A240802) <https://www.emis.de/journals/AMEN/> ISSN: 1607-2510 Indexed in **Web of Science**.




**SUBMITTED / COMMUNICATED**


- (1) Rohit Kumar Verma, Jaynendra Shrivastava\*, Prachi Singh and Kuleshwari, Fixed point theorems and common fixed-point theorems in b-metric spaces with Graphs, Journal of *Modern Mathematical Methods* <https://modernmathmeth.com/> ISSN: 3023-5294 (Under Review)
- (2) Rohit Kumar Verma, Pratik Singh Thakur\* and Rakesh Tiwari, Supremum norm based Fuzzy c-means Clustering, *The Journal of Supercomputing* (communicated at Springer) (Scopus, SCI) (Under Review)

**PATENT FILLED BY THE FACULTY MEMBER**

- (1) Dr. Dayashankar Singh, Dr. Chirjeev Kumar Yadav, Dr. Anil Kumar Gupta, Dr. Surjan Singh, Dr. Sankirtan Sardar and Dr. Ratnesh Tiwari, *Plastic Waste Container Collection*, Design Number-6415769, Grant Date-05 January 2025, **International Design Classification**, Version: 15-2025, Class-09, Packaging and Containers for the Transport or Handling of Goods, Subclass- 09, Refuse and Trash Containers and Stands therefor tact details Rajesh R Shark IPR Service, 13-15 Trafalgar Road, Blackpool, FY16AW, UK Phone 9358746217 [sharkiprservice@gmail.com](mailto:sharkiprservice@gmail.com)

N.B.- \* Communicated By,  
Red Colored Name- HEI Faculty Members

  
COORDINATOR-IQAC  
(Dr. Sadhna Rahatgaonkar)

  
Principal  
Govt. C. L. Chavhan  
College Patan, Distt -Durg (C.G.)