

Dinesh K Pradhan, PhD

Address
Durgapur, W B, INDIA
☎ +919433303419
✉ dineshkrp@gmail.com
Vidwan Id: 184830



Education

- 2019 **NIT Durgapur**, *PhD*, Computer Science and Engineering.
- 2008 **NIT Durgapur**, *M.Tech*, Operation Research in Industry & Business Management.
- 2004 **KSOU, Karnataka**, *M. Sc.*, Information Technology, (Systems and Networking).
- 1998 **SMV, Utkal University**, *Bachelor of Science*, 3 Years Degree Course.

PhD Thesis

Title **Dynamics of Citation Collaboration Network.**

Outline In the academic community with digitalization and wider visibility, there has been an exponential increase in the number of publications, author, venue, etc. Lower subscription charges and open accessibility option has opened multiple choices for authors to publish their article in different venues. Automatically, an important research question that comes out is whether research quality is simultaneously withheld as exponential growth occurs in the rate of all scientific entities?

Thus, quality assessment is a critical issue, and it is necessary to understand loopholes in existing quantifiers. Among others, topics such as requirement of re-defining author ranking strategy, evaluating citation behavior of top articles, understanding the need to re-define the importance of venue metric, and making improvements towards fair as well accurate review process are few of the problems we addressed in this thesis. **Whereas the thesis work is based upon Time Series Analysis of Data Science (ML, AI).**

Experience (22 Years)

- 2003 - Now Assistant Professor, Department of CSE/IT, Dr. B. C. Roy Engineering College, Durgapur
- 2001 - 2002 Internet Networking Administration, VSNL, Ultadanga, Kolkata
- 2000 - 2001 Network Administration and Teaching, NIIT Ltd., Royed Street, Kolkata
- 1998 - 2000 System Administration and Software Development, Auchtel Products Pvt. Ltd., Kolkata

Publications

- International Journal (SCI) **[1]**, Rana Pratap Mukherjee, Provas Kumar Roy & **Dinesh Kumar Pradhan** (2021) An Efficient FNN Model with Chaotic Oppositional Based SCA to Solve Classification Problem, *IETE Journal of Research*, DOI: 10.1080/03772063.2021.1948923.
- [2]**, **Dinesh K. Pradhan**, Joyita Chakraborty, Prasenjit Choudhary, and Subrata Nandi (2020). An automated conflict of interest based greedy approach for conference paper assignment system. *Journal of Informetrics*, 14. 101022, 10.1016/j.joi.2020.101022.
- [3]**, Chakraborty, Joyita and **Pradhan, Dinesh**, and Nandi, Subrata (2020), On the identification and analysis of citation pattern irregularities among journal, *Expert Systems*. 10.1111/exsy.12561.
- [4]**, **Pradhan, D.**, Paul, P. S., Maheswari, U., Nandi, S., and Chakraborty, T. (2017). C^3 -index: a PageRank based multi-faceted metric for authors' performance measurement. *Scientometrics*, 110(1), 253-273..

[5], Roy, Provas Kumar, Aditi Sur, and **Dinesh Kumar Pradhan** (2013). *Optimal short-term hydro-thermal scheduling using quasi-oppositional teaching learning-based optimization. Engineering Applications of Artificial Intelligence* 26.10 (2013): 2516-2524..

Under Review

[1], Sovan Bhattacharya, Subrata Nandi and **Dinesh K. Pradhan**. *A Heuristic Approach to Solve Author Name Ambiguity using Minimum Bibliographic Evidences. Scientometrics (SCIM)*, Manuscript ID: SCIM-D-21-01211.

[2], Rajesh Chatterjee, Provas Roy and **Pradhan, Dinesh**, Chaotic oppositional based whale optimization to train a feed forward neural network, *Soft Computing (SOCO)*, Manuscript ID: SOCO-D-20-02187.

[3], Chakraborty, Joyita and **Pradhan, Dinesh**, and Nandi, Subrata, Time-series citation trajectory classification and prediction of scientific publications, *Scientometrics (SCIM)*, Manuscript ID: SCIM-D-21-01645.

Conference Publication

[1], Joyita Chakraborty, **Dinesh K. Pradhan**. *Citation Biases: Detecting Communities from Patterns of Temporal Variation in Journal Citation Networks. In 6th International Conference of Data Management, Analytics and Innovation (ICDMAI 2022), Date: 14 - 16 January, 2022, Status: Paper Accepted.*

[2], Joyita Chakraborty, **Dinesh K. Pradhan**, and Subrata Nandi. 2020. *Research misconduct and citation gaming: A critical review on characterization and recent trends of research manipulation. In 5th International Conference of Data Management, Analytics and Innovation (ICDMAI 2021), Jan 15 - 17, 2021, Kolkata, India. Advances in Intelligent Systems and Computing (AISC) Series (SPRINGER). Doi: https://doi.org/10.1007/978-981-16-2937-2_30.*

[3], **Dinesh K. Pradhan**, Joyita Chakraborty, and Subrata Nandi. 2019. *Applications of Machine Learning in Analysis of Citation Network. In 6th ACMIKDD CoDS and 24th COMAD (CoDS-COMAD '19), January 3–5, 2019, Kolkata, India. ACM, New York, NY, USA, 4 pages. <https://doi.org/10.1145/3297001.3297053>.*

[4], **Pradhan, D.**, Paul, P. S., Maheswari, U., Nandi, S., and Chakraborty, T. (2016, May). *C³-index: revisiting author's performance measure. In Proceedings of the 8th ACM Conference on Web Science (pp. 318-319). ACM..*

[5], **Pradhan, D.**, Chakraborty, T., Pandit, S., and Nandi, S. (2016, April). *On the discovery of success trajectories of authors. In Proceedings of the 25th International Conference Companion on World Wide Web (pp. 91-92). International World Wide Web Conferences Steering Committee..*

[6], Banerjee T., **Pradhan D.** and Choudhury P. (2016). *Efficient Combinatorial Auction Mechanisms in Electronic Commerce. In Proceedings of the 18th International Conference on Enterprise Information Systems ISBN 978-989-758-187-8, pages 290-297..*

[7], **Pradhan, D. K.**, Nandi, S., and Choudhury, P. (2014). *Implementing encryption with Enhanced Mobility Aware Routing Protocol for Bluetooth network. In Business and Information Management (ICBIM), 2014 2nd International Conference on (pp. 171-175). IEEE..*

[8], Debnath, R., Kundu, B. C., Pradhan, M., and **Pradhan, D.** (2011). *Lossless secure transmission in bluetooth scatternet, considering device mobility. In Wireless Communication, Vehicular Technology, Information Theory and Aerospace & Electronic Systems Technology (Wireless VITAE), 2011 2nd International Conference on (pp. 1-5). IEEE..*

[9], Pradhan, Moumita, **Dinesh Pradhan**, and G. Bandyopadhyay (2010). *Implementation of Fuzzy Approach to Improve Time Estimation [Case Study of a Thermal Power Plant Is Considered.], International Conference on Modeling, Optimization, and Computing (ICMOS 20110). Vol. 1298. No. 1. AIP Publishing, 2010.*

Ph.D. Scholars

Ongoing

[1], Mr. Sovan Bhattacharya, Applications of Data Science and Machine Learning in Analysis of Citation Network, CSE Department, NIT Durgapur.

[2], Ms. Joyita Chakraborty, Multi-levels and Cross-time Analysis of Academic Graphs, CSE Department, NIT Durgapur.

[3], Mr. Rajesh Chatterjee, A Modelling Approach from Sentiment Analysis to Emotion Analysis (Proposed), CSE Department, Usha Martin University, Ranchi.

[4], Mr. Mukesh Chatterjee, Framework for Solving Perceptual Depth & Colour Issues in Augmented Reality (Proposed), CSE Department, Usha Martin University, Ranchi.

[5], Mr. Rana Pratap Mukherjee, Hybrid Optimization Techniques to Improve Feature Selection in Computer Vision (Proposed), CSE Department, Usha Martin University, Ranchi.

Faculty Development Programs

[1], *Enhancing Pedagogy Skills*, at NIT Durgapur, Sponsored by Technical Education Quality Improvement Programme, (16/03/2009 to 20/03/2009).

[2], *Statistical Modelling for Data Analysis*, at IIT Kharagpur, Sponsored by MHRD / AICTE, (30/11/2009 to 11/12/2009).

[3], *Machine Learning and Complex Network*, at IIT Kharagpur, Sponsored by MHRD / AICTE, (28/02/2015 to 04/03/2015).

[4], *Methodology and Ethics in Research*, at NIT Durgapur, Sponsored by TEQIP - II, (19/09/2016 to 23/09/2016).

[5], *Deep Learning and AI Applications*, at NIT Warangal, Sponsored by MeitY, Government of India, (21/06/2021 to 30/06/2021).

Personal Skills

- Optimist
- Hard Working
- Positive attitude
- Sincere

Hobbies

- Coding
- Teaching

Personal Details

Mother Mrs. Angur Bala Pradhan
Father Late Shakti Pada Pradhan
Gender Male
Status Married
Nationality Indian
Languages English, Bengali, Hindi, Odiya

References

[1], Professor (Dr.) Subrata Nandi, Professor and HoD, CSE Department, NIT Durgapur.

Phone: +919434788158 // Email: subrata.nandi@gmail.com

[2], Professor (Dr.) Niloy Ganguly, Professor and Ex HoD, CSE Department, IIT Kharagpur.

Phone: +91-3222-283460 // Email: ganguly.niloy@gmail.com

Declaration: I hereby declare that all the information furnished above is true to the best of my knowledge and belief.

Date: December 9, 2021

Place: Durgapur

[DINESH KUMAR PRADHAN]