Faculty Profile

Dr. Prasanta Paul
Assistant Professor WBES (Stage-3), Department of Mathematics
Barasat Govt. College, Barasat-700 124
Date of Joining in the WBES: 18.08.2009
Date of Joining in this College (Barasat Govt. College): 02.03.2013
URL of Research Gate: https://www.researchgate.net/profile/Prasanta-Paul
URL of Google Scholar: https://scholar.google.com/citations?user=hOzNqWYAAAAJ&hl=en

Educational Qualifications :   M.Sc. (Applied Math, CU), Ph.D. (IIT Kharagpur)

Membership in Professional Societies:

1. Life member of Calcutta Mathematical Society (CMS) (Membership No.: LP/40).
2. Life member of The Indian Science Congress Association (ISCA) (Membership No.: L19757).
3. Member of Indian Statistical Institute (ISI), Calcutta.

Attachment with Academic Boards/Bodies:

1. Nominated to act as member for the Board of Under Graduate Studies in Mathematics of North Bengal University w.e.f. 11.10.2012.

Training Courses, Teaching Learning –Evaluation Technology Programmes, Faculty Development Programme/STC/RC/OP attended:

1. Participated in **UGC-Sponsored Workshop/Short Term Course** : "**Research Methodology**" (Conducted Online) organized by UGC-HRDC Punjabi University, Patiala, from 02-11-2020 to 09-11-2020.

2. Participated in **5-Day Online Faculty Development Program** on "DEEKSHARAMBH (Student Induction Program)", organized by Department of Mechanical Engineering, NIT Patna during $10^{th} - 14^{th}$ August, 2020.

3. Participated in A **One Week Online International Faculty Development Program** on "Recent Advances in Mathematics and Statistics" (IFDPRAMS-2020) in connection with the birth centenary of Prof. C.R.Rao , jointly organized by Department of Mathematics, Institute of Science and Center for Learning and Sustainability, GITAM (Deemed to be University), Visakhapatnam, AP, India during 3rd August – 8th August, 2020.

4. Participated in **AICTE Sponsored One Week Online Short Term Training Program** on "Matlab-Statistics And Data Science", organized by Department of Applied Science, Sagar Institute of Research and Technology, Bhopal on 27th July, 2020 to 1st August, 2020.

5. Participated in **International Online Faculty Development Program (E-FDP)** on "**Research Indicators, Resources, Plagiarism and Academic Integrity**", organized by the Knowledge Resource Centre of Partician College of Arts and Science, Chennai TamilNadu, India on 22nd to 26th June, 2020.

6. Participated in Faculty Development Programme (FDP) on "**Data Analytics**" at St. Xavier's University, Kolkata in collaboration with ICSSR (ERC) from 26-11-2018 to 06-12-2018.

7. Participated in UGC Sponsored **Refresher Course** (R.C.) in Mathematics, organized by UGC-Human Resource Development Centre, Patna University, Patna, from 27-07-2017 to 16-08-2017.

8. Participated in UGC Sponsored **Refresher Course** (R.C.) in Physics and Mathematics (Inter-disciplinary) organized by Academic Staff College, University of North Bengal, from 09-01-2013 to 29-01-2013.

9. Participated in UGC Sponsored **Orientation Programme** (O.P.) organized by Academic Staff College, University of North Bengal, from 10-11-2011 to 07-12-2011.

Webinar/Seminar/Web Conf./Conferences/Workshop/Colloquium attended and or paper presented:

1. Participated and presented a paper titled "**Reliability Properties of Generalized Past Entropy"** in the International Web Conference on Emerging Areas of Mathematics and Mathematical Sciences (I WCEAMMS-2020) organized by Calcutta Mathematical Society (CMS) during December 12-14, 2020.

2. Participated and presented a paper titled "**Some Discrete Distribution Results Based on Generalized Residual Entropy**" in the International Web Conference on Mathematical Methods and Models in Applied Sciences, organized by Amity Institute of Applied Sciences, Amity University Kolkata in collaboration with Calcutta Mathematical Society (CMS) during 6th-8th November, 2020.

3. Participated in Two-Day Webinar on "Mathematics and It's Recent Trends", organized jointly by Biomathematical Society of India, Department of Mathematics and IQAC, Maulana Azad College on 28th and 29th September, 2020.

4. Participated in One Day National Level Webinar on "History of Mathematics", organized by Calcutta Mathematical Society (CMS), on 6th September, 2020.

5. Participated in the International Webinar on "Surviving in a Covid World: Major Issues in India", organized by Barasat Government College, Kolkata, on 3rd September, 2020.

6. Participated and presented a paper titled "**Information Based Entropy for Residual Life Random Variable**" in the National Webinar on Recent Advances in Mathematics, organized by Department of Mathematics in collaboration with IQAC, West Bengal State University, Barasat, on 24th August, 2020.

7. Participated in the One Day International Webinar on "Modern Trends in Mathematics and Its Applications", organized by Department of Mathematics, Krishnagar Government College, on 21st August, 2020 (2 Hrs.).

8. Participated in the International Webinar on "Recent Development in Number Theory 2020", organized by KIIT Deemed to be University, Bhubaneswar, Odisha, India, during 17th -20th August, 2020.

9. Participated in the National Webinar on "Applications of Mathematics", organized by Department of Mathematics in collaboration with IQAC, Seth Anandram Jaipuria College, Kolkata on 11th August, 2020 (3 Hrs.).

10. Participated and presented a paper titled "**Information Measure in the Context of Reliability Theory**" in the International Webinar on The Role of Applied Mathematics in Present Global Crises, organized by Department of Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore - 721102, West Bengal, India during 5th -7th August, 2020.

11. Participated in One Day International level Webinar on "Use of Mathematical Modeling in COVID 19 and Cancer Control", organized by Department of Mathematics in collaboration with IQAC, Dinabandhu Mahavidyalaya, Bongaon on 31st July, 2020.

12. Participated in the International Web Conference on "Recent Advances on Science" (IWCRAS-2020), Department of Physics and IQAC Donbosco College, Tura on 30th and 31st July, 2020.

13. Participated in International Webinar on "Numerical and Scientific Computing", organized by Department of Mathematics and Statistics, School of Basic Sciences, Manipal University Jaipur on 28th July, 20020.

14. Participated in One-Day State Level Webinar on "Responsibility and Promotion of College Teachers/Librarians under CAS" organized by IQAC Purbasthali College, Purba Bardhaman on 22nd July, 2020.

15. Participated in Internatinal Webinar on "Algebra and Topology" organized by Department of Mathematics, Prabhu Jagatbandhu College, Andul, Howrah, India, on 19th-20th July, 2020.

16. Participated in the International Webinar on "Artificial Intelligence in cloud computing and IoT" organized in collaboration with IEEE SB Galgotias University on 18th July, 2020.

17. Participated in a Webinar on "Introduction to the Intellectual Property Rights- Concept and Cases" jointly organized by Rukmini Devi Institute of Advanced Studies Delhi and Department of Management Studies NIT Silchar on 11th July, 2020.

18. Attended the International Webinar presentation (of one hour) on 'Ramification of some precautions for controlling disease under the global sustainable supply chain management' jointly organized by the Department of Mathematics and the IQAC, Narasinha Dutt College, dated 3rd July, 2020, presented by Dr. Biswajit Sarkar, Associate Professor, Department of Industrial Engineering, Yonsei University, South Korea.

19. Participated in the National Webinar on "The Role of Mathematical Modeling in COVID 19 Pandemic Response: Main Challenges", organized by Department of Mathematics in collaboration with IQAC, Vijaygarh Jyotish Ray College, Kolkata on 22nd June, 2020 (2 Hrs).

20. Participated in the National Webinar "Recent Trends in Computational Mathematics and It's Applications" from 17 June to 18 June 2020, organized by Department of Mathematics Sri Guru Tegh Bahadur Khalsa College, Jabalpur (M.P.).

21. Participated in the one day State Level Webinar entitled "Post Pandemic Teaching -Learning Method: A Paradigm Shift" on 15th June, 2020 organized by IQAC, Bhairab Ganguly College in collaboration with IQAC, Sree Chaitanya College, Habra.

22. Participated and presented a paper titled "**Comparison between likelihood ratio order and past entropy order**" in a One Day National Seminar on Applied Mathematics and Mathematical Physics (AMMP-2020) organized by Calcutta Mathematical Society (CMS) on February - 29, 2020.

23. Participated and presented a paper titled "**Properties of β-divergence measures in view of stochastics orderings**" in UGC-SAP-DRS-II sponsored International Conference on Mathematical Sciences and Applications (ICMSA-2020) organized by Department of Mathematics, Kalyani University during February 26-28, 2020.

24. Participated and presented a paper titled "**On Some Discrete Distribution Results Based on (α, β)-past Entropy**" in the International Conference on Advances in Higher Mathematics, Mathematical Sciences and Mathematical Modeling (ICAHMMSMM-2019) organized by Calcutta Mathematical Society (CMS) during December 20-22, 2019.

25. Participated in National Level Teachers' Enrichment Workshop in Mathematical Sciences (NLTEWMS-2018) organized by Calcutta Mathematical Society (CMS) during May 23 to June 06, 2018

26. Participated and presented a paper titled "**Properties of (α, β)-residual Entropy and Divergence Measure Based on It**" in the 10th International Conference on Mathematical Sciences for Advancement of Science and Technology (MSAST- 2016) organized by Institute for Mathematics, Bioinformatics, Information Technology and Computer Science (IMBIC) during December, 21-23, 2016.

27. Participated and presented a paper titled "**Some Discrete Distribution Results Based on (α, β)-residual Entropy**" in the International Conference on Applications of Mathematics in Topological Dynamics, Physical, Biological and Chemical Systems (ICAMTPBCS 2016) organized by Calcutta Mathematical Society (CMS) during December 09-11, 2016.

28. Participated in One-day State Level Workshop on "Mathematics, Computer Science & Cryptology" organized by Department of Mathematics, Computer Science & Science Forum of Mrinalini Datta Mahavidyapith, Birati, in association with R.C.Bose Centre of Cryptology and Security, Indian Statistical Institute, Kolkata, on 23rd August, 2016.

29. Participated and presented a paper titled "**On Some Measure of Generalized Residual Entropy in the field of Information Theory**" in the National Seminar on Analysis and Applications: Celebrating 100 years of General Theory of Relativity, organized by Department of Mathematics, West Bengal State University, Barasat, during March 10-11, 2016.

30. Participated and presented a paper titled "**Some Discrete Distribution Results Based on Generalized Past Entropy**" in the one day national seminar on Recent Advances in Mathematics and its Applications (RAMA 2016) organized by Department of Pure Mathematics, University of Calcutta, during February 24-25, 2016.

31. Participated and presented a paper titled "**Generalized Measure of Uncertainty based on Past Life in the field of Reliability Modeling**" in national seminar on Recent Developments in Mathematics and Its Applications (NSRDMA 2016) organized by Department of Mathematics, Kalyani University during January 21-22, 2016.

32. Participated and presented a paper titled "**On Measures of (α, β)-Past Entropy**" in the 9th International Conference on Mathematical Sciences for Advancement of Science and Technology (MSAST- 2015) organized by Institute for Mathematics, Bioinformatics, Information Technology and Computer Science (IMBIC) during December, 21-23, 2015.

33. Participated and presented a paper titled "**Some Properties of Conditional Measure of Uncertainty in Past Life**" in the national conference on Emerging Trends in Mathematics and Mathematical Sciences (NCETMMS-2015) organized by Calcutta Mathematical Society during December 17-19, 2015.

34. Participated and presented a paper titled "**Some Weighted Distribution Results in terms of Reversed Time**" in the one day national seminar on Recent Advances in Mathematics and its Applications (RAMA 2015) organized by Department of Pure Mathematics, University of Calcutta, on 12th March 2015.

35. Participated and presented a paper titled "**Estimation of Age Replacement Policy**" in the International Conference on Current Developments in Mathematics and Mathematical Sciences (ICCDMMS 2014) organized by Calcutta Mathematical Society (CMS) during December 19-21, 2014.

36. Participated in the national workshop and conference on Discrete Mathematics and its Applications (NWCDMA 2014) organized by Department of Mathematics, Jadavpur University, during March 10-14, 2014.

37. Participated and presented a paper titled "**Past Entropy: A New Measure of Uncertainty**" in the national seminar on Recent Development in Mathematics and its Applications (RDMA 2014) organized by Department of Pure Mathematics, University of Calcutta, on 12th March 2014.

38. Participated and presented a paper titled **"Properties of Past Entropy and Their Applications**" in the UGC-DRS-SAP (Phase-I) sponsored national seminar on Mathematics and its Applications (NSMA 2014) organized by Department of Mathematics, Kalyani University during March 4-5, 2014.

39. Participated and presented a paper in the UGC sponsored national seminar on Recent Advanced in the Application of Mathematics Analysis and Computational Techniques in Applied Sciences organized by Department of Mathematics, Siliguri College (affiliated to NBU) in collaboration with Von Karman Society, Jalpaiguri, W.B. during December 2-4, 2011.

40. Participated in the UGC seminar on Recent Advances in Mathematical Science and Applications organized by Department of Mathematics, University of North Bengal during February 10 11, 2011.

41. Participated in the UGC sponsored National Seminar (Trends in Microbiology) jointly organized by Department of Botany, Acharya Brojendra Nath Seal (Govt.) College and Department of Plant Pathology, UBKV during December 20-21, 2009.

42. Participated and presented a paper in the IEEE India Annual Conference 2004 (INDICON 2004) organized by the Indian Institute of Technology Kharagpur jointly with IEEE India Council during December 20- 22, 2004.

Faculty Profile

List of Publication:

1. On Some Discrete Distribution Results Based on (α, β)-Past Entropy. "Bulletin of The Calcutta Mathematical Society", 2019 Vol. 111 (No. 6), pp 503-510.

2. Some Discrete Distribution Results Based on (α, β)-residual Entropy. "Bulletin of The Calcutta Mathematical Society", 2017 Vol. 109 (No. 1), pp 1-8.

3. Properties of (α, β)-residual Entropy and Divergence Measure Based on It (2016). Proceedings of 10th International Conference of IMBIC on Mathematical Sciences for Advancement of Science and Technology (MSAST) (ISBN- 978-81-925832-4-2), published by IMBIC, Kolkata, Vol. 5 pp 243-253.

4. Some Properties of Conditional Measure of Uncertainty in Past Life. "Bulletin of The Calcutta Mathematical Society", 2016 Vol. 108 (No. 1), pp 55-62.

5. On measures of (α,β)-past entropy (2015). Proceedings of 9th International Conference of IMBIC on Mathematical Sciences for Advancement of Science and Technology (MSAST) (ISBN- 978-81-925832-3-5), published by IMBIC, Kolkata, pp 217-231.

6. A length-biased distribution result in terms of reversed time. "MAC Journal of Basic and Applied Sciences " (ISSN-2347-5366), 2015 Vol. 2(1), pp 95-98.

7. Some weighted distribution results in terms of reversed time. "Aureole – An Academic Journal" (ISSN- 0976-9625), 2014 *Vol. 5(No.1) pp 83-88.*

8. Ordering of life distribution in terms of reversed time. "Aureole – An Academic Journal" (ISSN- 0976-9625), 2013, Vol.-4 pp 88-92.

9. A Comparative Study between LR order and PE order (2011). Proceedings of UGC sponsored National Seminar 2011 (ISBN 978-81-909694-2-0), published by Department of Mathematics, Siliguri College in collaboration with Von Karman Society, Jalpaiguri, West Bengal, pp. 15-18.

10. A Characteristic result on past and generalized past entropies. B. N. Seal Journal of Science, Mathematical Science Section (ISSN 0975 5624) (2011),Vol. IV, 1-5.

11. Some properties of _-divergence measures. B. N. Seal Journal of Science, Mathematical Science Section (ISSN 0975 5624) (2010), Vol. III, 1-6.

12. Some Properties of Past Entropy and their Applications. Metrika (2006), 64, 47-61. (With Asok K. Nanda).

13. Some Results on Generalized Past Entropy. Journal of Statistical Planning and Inference (2006), 136, 3659-3674. (With Asok K. Nanda).

14. Some Results on Generalized Residual Entropy. Information Sciences (2006), 176(1), 27-47. (With Asok K. Nanda).

15. Some Properties of Order Statistics When Sample Size is Random. Communications in Statistics- Theory & Methods (2005), 34(11), 2105-2113. (With Asok K. Nanda, Neeraj Misra and Harshinder Singh).

16. An Observation from DMRL Life Distributions (2004). Statistical Methods, 6(1), pp. 57-65. (With Asok K. Nanda).

17. A Comprehensive Study on Past Entropy (2004). Proceedings of IEEE India Annual Conference 2004 (INDICON 2004), published by IEEE Kharagpur Section, IIT Kharagpur jointly with IEEE India Council, pp. 113-116. (With Asok K. Nanda).

18. Reliability Properties of Reversed Residual Lifetime (2003). Communications in Statistics-Theory & Methods, 32(10), pp. 2031-2042. [Addendum: Communications in Statistics-Theory & Methods, 33(4), pp. 991-992, (2004).] (With Asok K. Nanda, Neeraj Misra and Harshinder Singh)

19. Tests for Reversed Hazard Rate Function (2003). Calcutta Statistical Association Bulletin, 54(215-216), pp. 181-193. (With Asok K. Nanda)

Summery

Publication

No. of Publication in National Journal	No. of Publication in International Journal	No. of Publication in Conference Proceeding		Remarks
		National	International	
10	05	02	02	1. One paper has been published in Information Sciences with **impact factor 4.04.** 2. One paper has been published in Journal of Statistical Planning and Inference with **impact factor 0.68.** 3. One paper has been published in Metrika with **impact factor 0.52.**

Webinar/Seminar/Workshop/Conference

Regional/Sate Level Webinar/Seminar/ Workshop		National Webinar/Seminar		International Webinar/ Seminar		National Web Conf. / Conference (and or Workshop)		International Web Conf. / Conference	
Attended	Paper Presented	Attended	Paper Presented	Attended	Paper Presented	Attended	Paper Presented	Attended	Paper Presented
4	0	8	7	7	0	2	3	1	10

Last update on 15th April, 2021