

FACULTY ACADEMIC PROFILE/ CURRICULUM VITAE

1. **Name:** RAHUL KAR
2. **Designation:** State Aided Teacher
Department of Mathematics,
Kalyani Mahavidyalaya,
Kalyani, Nadia, W.B.
3. **Date of birth:** 19/03/1992
4. **Specialization:** Pure mathematics, Fuzzy mathematics.



5. **Contact information:**

- a **Contact address:** Ward no-17, Post Office- Mohanpur,
District- Nadia, WEST BENGAL, INDIA and Pin-741246.
- b **Email:** rkar997@gmail.com

6. **Academic qualification:**

College/ Universities from which the degree was obtained	Abbreviation of the degree
The University of BURDWAN	M.Sc (Pure Mathematics)
University of KALYANI	B.Sc (Mathematics)
WEST BENGAL STATE UNIVERSITY	B.Ed.

7. **Academic experience:**

Sl. No.	College/ Institute
1.	Kalyani Mahavidyalaya (Present Occupation)
2.	Guru Nanak Institute of Technology
3.	Guru Nanak Institute of Pharmaceutical Science and Technology
4.	Chandannagar Institute of Management & Technology
5.	Michaelnagar Shikshaniketan

8. **Research interest:**

- i. Fuzzy optimization.
- ii. Fuzzy decision making.
- iii. Fuzzy Intuitionistic number.
- iv. Fuzzy type-2 number.
- v. Multi-attribute decision making.
- vi. Grey Systems.
- vii. Uncertainty.

Reviewers at:

1. INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY RESEARCH AND TECHNOLOGY(IJMRT)
2. JOURNAL OF EDUCATIONAL RESEARCH IN DEVOLPING AREA(JEREDA)
3. JOURNAL OF ADVANCES IN MATHEMATICS AND COMPUTER SCIENCE.
4. ADVANCES IN PURE MATHEMATICS

Editor:

1. Bioinformatics & Proteomics Open Access Journal (BPOJ)
2. Journal of Bio Innovation
3. ADOU JOURNAL OF SCIENCE, TECHNOLOGY AND APPLIED RESEARCH

4. INTERNATIONAL JOURNAL OF BUSINESS EDUCATION AND MANAGEMENT STUDIES (IJBENS)

Honorary Member:

1. Carmels Research Institute, Dakar, Senegal
2. National council of Teacher Scientist, India.

9. List of publication:

Sl. No.	Title	Published in
1	Some Arithmetic Operations on Trapezoidal Fuzzy Numbers and its Application in Solving Linear Programming Problem by Simplex Algorithm	Intl. J. Bioinformatics and Biological Sci. (V. 6 n.2, p. 77-86): December 2018 DOI: 10.30954/23195169.12.2018.4
2	A New Method of Fuzzy Membership Function Evaluation by Interpolation and Defuzzification	International Journal of Innovative Knowledge Concepts Vol. 7, Special Issue 1, 2019 ISSN: 2454-2415
3	Some Arithmetic Operations on Triangular Fuzzy Numbers and its Application in Solving Linear Programming Problem by Dual-Simplex Algorithm	World Journal of Engineering Research and Technology Wjert, 2019, Vol. 5, Issue 6, 397-404 ISSN 2454-695X SJIF Impact Factor: 5.924
4	Some arithmetic operations on Triangular Intuitionistic Fuzzy Number and its application in solving linear programming problem by simplex algorithm	Intl. J. Bioinformatics and Biological Sci. (V. 7 n.1&2, p. 21-28): June & December 2019 DOI: 10.30954/2319-5169.01.2019.4
5	Trapezoidal Intuitionistic Fuzzy Number with some arithmetic operations and its application on reliability evaluation	Journal of Mathematical Sciences & Computational Mathematics ISSN 2688-8300 (Print) ISSN 2644-3368 (Online) JMSCM, Vol.1, No.2, February, 2020.
6	ANALYSIS OF SYSTEM RELIABILITY OF AN ILLUMINATED DARK ROOM BY TIT2FNS FUZZY DATA WITH SOME OF ITS ARITHMETIC OPERATIONS	Journal of Mathematical Sciences & Computational Mathematics ISSN 2688-8300 (Print) ISSN 2644-3368 (Online), JMSCM, Vol.1, No.4, August, 2020.
7	A new approach to find optimal solution of assignment problem using Hungarian method by triangular fuzzy data	MATHEMATICS IN ENGINEERING, SCIENCE AND AEROSPACE MESA - www.journalmesa.com Vol. 11, No. 4, pp. 1059-1074, 2020 SCOPUS INDEX
8	Analysis the Barrier of E-Learning in Mathematics Using Type-2 Fuzzy Data	Journal of Education and Learning Mathematics Research (JELMaR) , 1(2), 58-73. https://doi.org/10.37303/jelmar.v1i2.31

9	Analysis of failure to spread of COVID-19 by triangular intuitionistic fuzzy number and some of its arithmetic operations	Proceedings of "STUDY ON COVID-19" Book Chapter
10.	A STUDY ON SOCIAL ENTREPRENEURSHIP IN INDIA	Business Management Practices Emerging Trends Archers & Elevators Publishing House Edited Book
11.	RELIABILITY ANALYSIS IN UNCERTAIN ENVIRONMENT OF E-BUSINESS	"New paradigms in business management practice"-Volume 2 Book Chapter
12.	PEOPLE SKILLS MEASUREMENT USING TRIANGULAR FUZZY NUMBER BY KARL PEARSON'S COEFFICIENT OF CORRELATION METHOD	J. of Ramanujan Society of Mathematics and Mathematical Sciences Vol. 8, No. 1 (2020), pp. 45-52
13.	Evaluation of approximate Fuzzy Membership Function using linguistic input-an approached based on cubic spline	JINAV: Journal of Information and Visualization ISSN: 2746-1440(online) Vol. 1 No. 2(2020) https://doi.org/10.35877/454RI.jinav215
14.	Alternative approach to find optimal and Practice solution of assignment problem using intuitionistic type-2 fuzzy data	Annals of Optimization Theory DOI: 10.22121/AOTP.2020.257124.1055 Hungarian method by trapezoidal
15.	Analysis of a complex four species food-web system: A mathematical model	MATHEMATICS IN ENGINEERING, SCIENCE AND AEROSPACE MESA - www.journalmesa.com Vol. 12, No. 2, pp. 579-599, 2021 SCOPUS INDEX
16.	Analysis of Digital Competencies of 21st Century Teachers of Mathematics Education by Pentagonal Fuzzy Number and Some of Its Arithmetic Operations	Journal of Education and Learning Mathematics Research (JELMaR) Volume: 2, Number: 1, May 2021, pp. 51-58 p-ISSN: 2715-8535, e-ISSN: 2715-9787

Committee member :

1. Scientific committee member in ICEESC-2021, 6th – 7th May,2021. Sethu Institute of Technology, Virudhunagar.
<https://www.iceesc.com/scientific-committee.php>
2. Technical committee member in ICTIEM-2021, 30th-31st March,2021. Visakhapatnam.
<https://ictiem.net/technical.php>
3. Scientific committee member in ICRCEST-2K21, 9th- 10th April,2021. Organised by Department of Electronics and Communication Engineering, Ramchandra College of Engineering, Eluru, AP.
<http://icrcest.com/scientific-committee.php>

Book editor:

1. BUSINESS FINANCE: THE CHANGING SCENARIO.
ISBN: 979-8-715-69954-1
https://www.amazon.com/dp/B08YQCS9RF?ref_=pe_3052080_397514860
2. RECENT ADVANCEMENT OF MATHEMATICS IN SCIENCE AND TECHNOLOGY.
Published by – JPS Scientific Publication, Tamil Nadu,
ISBN NO: 978-81-950475- 0 -5.

Conference list

1. **“INTERNATIONAL CONFERENCE ON ENGINEERING MATHEMATICS AND COMPUTING (ICEMC2020)”**
February 05-07, 2020 Organised by Haldia Institute of Technology, Haldia-721657, India.
2. **“INTERNATIONAL CONFERENCE ON INDUSTRY INTERACTIVE INNOVATIONS IN SCIENCE, ENGINEERING & TECHNOLOGY(I3SET2K19)”**
December 13-14. 2019 Organised by JIS College of Engineering, Kalyani.
3. **“NATIONAL CONFERENCE ON CONTEMPORARY ISSUE ON NATURAL AND ANTHROPOGENIC EFFECT IN ENVIORMENTAL CRISIS (NCCINAEEC-2019)”**
March 15-16, 2019 Organised by Government General Degree College, Tehatta, West Bengal, India
4. **“INTERNATIONAL CONFERENCE ON RECENT ADVANCE IN INFORMATICS, COMMUNICATION, MANAGMENT, HEALTH & APPLIED SCIENCES (RAICMHAS-2019)”**
February 02-04, 2019 Organised by Brainware University, Kolkata.
5. **“STUDY ON COVID-19”**
May 01-15, 2020 Organised by Society for Environmental Resource Biotechnology Development, India.

6. **“MATHEMATICAL METHODS AND MODELS IN APPLIED SCIENCES”**
6-8 November, 2020 organised by Amity Institute of Applied Science, Amity University, Kolkata in collaboration with Calcutta Mathematical Society, Kolkata.
7. **“Uncertainty Theory and Decision Making”**
28th -30th, November 2020, jointly organized by the School of Applied Science & Humanities, Department of Computer Applications (MCA), Haldia Institute of Technology, in collaboration with the Department of Applied Science, Maulana Abul Kalam Azad University of Technology, West Bengal, India.
8. **“International Conference on “applied nonlinear analysis & soft Computing”**
22-23 December, 2020 organized by Department of Mathematics, Gauhati University
9. **“International Conference on Applied Mathematics and Computational Intelligence”**
(ICAMCI-2020), 23-24 December, 2020 organized by NIT Agartala.
10. **“26th International Conference of International Academy of Physical Sciences on Advances in Algebra and Analysis” (CONIAPS-XXVI)**
18-20, December Organized by Department of Mathematics, Marwadi University, Rajkot, Gujarat, India in association with International Academy of Physical Sciences, Prayagraj
11. **“9th National Conference on Mathematics Education”**
20-22 December, By NCERT, RIE, Bhopal

10. Membership of Learned Societies:

1. INDIAN MATHEMATICAL SOCIETY- Annual Member