

Curriculum Vita



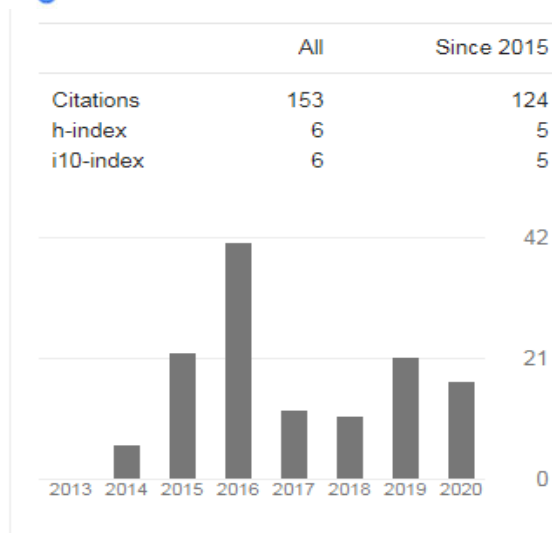
Of

Dr. Amal Kumar Adak
Head & Assistant Professor

Department of Mathematics
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Google Scholar



As on 12.04.20

URL: <https://scholar.google.co.in/citations?user=KOcMrOQAAAAJ&hl=en>

Bio Data

1. **Name:** Dr. Amal Kumar Adak
2. **Date of Birth:** January 21, 1982
3. **Sex:** Male
4. **Designation:** Assistant Professor

PERMANENT ADDRESS

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ACADEMIC QUALIFICATIONS

Name of Examinations Passed	Name of University/ Institute	Division/ Class	Year of Passing	Specialization
B.Sc.(Hons. in Math)	Vidyasagar University	I	2004	N/A
Post Graduation (M.Sc.)	Vidyasagar University	II	2006	Operations Research
Ph. D.	Vidyasagar University	N/A	2013	Intuitionistic Fuzzy Matrix

Ph.D. Thesis

Title : A study on intuitionistic fuzzy matrices and interval-valued intuitionistic fuzzy matrices with some applications.
Supervisor : Prof. M.Pal, Vidyasagar University & Dr. M. Bhowmik, VTT College, Midnapore.
Institution : Vidyasagar University, West Bengal
Awarded : November 2013.

PERFORMANCE IN NATIONAL LEVEL

NET (National Eligibility Test) - June 2009, (JRF) Qualified.

Associate Editor

IJEUCD- **International Journal of End-User Computing and Development**

Editorial Review Board Member

IJCINI- **International Journal of Cognitive Informatics and Natural Intelligence**

IJKSS- **International Journal of Knowledge and Systems Science**

ONLINE EDUCATION (SWAYAM)

A Refresher Course on Calculus

Co-ordinator- Prof. D SRINIVASACHARYA

National Institute of Technology - Warangal

Start Date:12 Nov , 2018 End Date:28 Feb , 2019

ACADEMIC EXPERIENCE

a) Teaching experience:

- i) Assistant Professor, G.D. College, Begusarai
Duration: 06.12.2017 –till date.
- ii) Assistant Teacher,
Department of Mathematics, Jafuly Desphran High School (H.S.).
West Bengal, India
Duration: 03.10.2007 -05.12.2017

b) Research: Since 2010.

PUBLICATION OF BOOK

Amal Kumar Adak, A Study on Intuitionistic Fuzzy Matrices with Some Applications, *Scholar's Press*, Germany, 188 Pages.

Publication date: 23-12-2013, ISBN: 978-3-639-637-6

EDITED BOOK

Amal Kumar Adak, Debashree Manna, Monoranjan Bhowmik, **Emerging Research on Applied Fuzzy Sets and Intuitionistic Fuzzy Matrices**. **IGI-global**, USA, 375 pages.

Release Date-November, 2016

ISBN-1522-5091-58

PUBLICATION IN EDITED BOOK

- [1] **Amal Kumar Adak**, Monoranjan Bhowmik and Madhumangal Pal, Generalized Intuitionistic Fuzzy Nilpotent Matrices over Distributive Lattice, “Mathematics and Computing”, *Narosa Publishing House*, New Delhi, (2013) 43-48.
- [2] **Amal Kumar Adak**, Monoranjan Bhowmik and Madhumangal Pal, Decomposition Theorem of Generalized Interval-Valued Intuitionistic Fuzzy Sets, *Contemporary Advancements in Information Technology Development in Dynamic Environments*, Information Resources Management Association, USA (2014) 212-219.
- [3] **Amal Kumar Adak**, Debashree Manna, Monoranjan Bhowmik and Madhumangal Pal, TOPSIS in generalized Intuitionistic Fuzzy Environment, *Modern Optimization Algorithms and Applications in Engineering and Economics*, USA (2016) 630-642.
- [4] **Amal Kumar Adak**, Interval-valued intuitionistic Fuzzy Partition Matrices, *Emerging Research on Applied Fuzzy Sets and Intuitionistic Fuzzy Matrices*. **IGI-global**, USA (2016) , 64-81.
- [5] **Amal Kumar Adak**, An Integrated Model of EOQ and Newsboy Problem for Substitutable Items with Space Constraints, *International Conference on Information Technology and Applied Mathematics*, Springer, Cham (2019) 292-303.
- [6] **Amal Kumar Adak**, Interval-Valued Intuitionistic Fuzzy Subnear Rings, *Handbook of Research on Emerging Applications of Fuzzy Algebraic Structures*, IGI Global (2020) 213-224.

PUBLICATIONS IN INTERNAL JOURNALS

- [1] **A. K. Adak** and M. Bhowmik, Interval cut-set of interval-valued intuitionistic fuzzy sets, *African Journal of Mathematics and Computer Sciences*, 4(4) (2011) 192-200.
- [2] **A. K. Adak**, M. Bhowmik and M. Pal, Semiring of interval-valued intuitionistic fuzzy matrices, *Global Journal of Computer Application and Technology*, 1(3) (2011) 340-347.
- [3] **A. K. Adak**, M. Bhowmik and M. Pal, Application of generalized intuitionistic fuzzy matrix in multi-criteria decision making problem, *Journal of Mathematical and Computational Science*, 1 (1) (2011) 19-31.
- [4] **A. K. Adak**, M. Bhowmik and M. Pal, Interval cut-set of generalized interval-valued intuitionistic fuzzy sets, *International Journal of Fuzzy System Applications*, 2(3) (2012) 35-50.
- [5] **A. K. Adak**, M. Bhowmik and M. Pal, Intuitionistic fuzzy block matrix and its some properties, *Annals of Pure and Applied Mathematics*, 1(1) (2012) 13-31.
- [6] **A. K. Adak**, M. Bhowmik and M. Pal, Some properties of generalized intuitionistic fuzzy nilpotent matrices over distributive lattice *International Journal of Fuzzy Information and Engineering*, 4(4) (2012) 371-387.
- [7] **A. K. Adak**, M. Bhowmik and M. Pal, Semiring of interval-valued intuitionistic fuzzy matrices, *World Applied Sciences Journal*, 16 (Special Issue of Applied Math), (2012) 07-16.
- [8] **A. K. Adak**, M. Bhowmik and M. Pal, Some properties of generalized intuitionistic fuzzy nilpotent matrices over distributive lattice, *The Journal of Fuzzy Mathematics* 21(2) (2013) 401-416.

- [9] D Manna, **A. K. Adak**, M. Bhowmik and M. Pal, Interval-valued Intuitionistic Fuzzy R-subgroup of Near-rings, *The Journal of Fuzzy Mathematics* 24(4) (2016)1-11.
- [10] A Ebrahimnejad, **A.K. Adak**, EB Jamkhaneh, Eigenvalue of Intuitionistic Fuzzy Matrices Over Distributive Lattice, *International Journal of Fuzzy System Applications (IJFSA)* 8 (1), (2019)1-18.
- [11] **A.K. Adak**, D Darvishi Salokolaei, Some properties of Pythagorean fuzzy ideal of near-rings, *International Journal of Applied Operational Research-An Open Access Journal*, 9(3) (2019) 1-9.

SEMINAR/CONFERENCE/WORKSHOP ETC

- [1] Attend National Seminar on *Applied and Computational Mathematics and Their Application*, Dept. of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 6th & 7th March, 2008.
- [2] Attend Seminar on *Modern Trends in Operational Research*, Department of Mathematics, National Institute of Technology, Durgapur, 31st January, 2011.
- [3] Attend National Seminar on *Design and Analysis of Graph Algorithms*, Department of Mathematics, Raja N.L. Khan Women's College, Gope Palace, Paschim Medinipur, 13th & 14th August, 2012.
- [4] Presented a paper in a National Seminar on *Currents Research and Developments in Mathematics*, Department of Mathematics, Aliah University, Kolkata, 3rd & 4th October, 2012.
- [5] Attend National Seminar on *Emerging Trends in Mathematics*, Dept. of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 19th & 20th December, 2012.
- [6] Attend National Seminar on *Mathematics and Mathematical Sciences*, Dept. of Pure Mathematics, Calcutta University, Calcutta, 27th - 28th December, 2012.
- [7] Attend State Level Two-Day Seminar Cum Workshop on *Effectiveness of Mathematics Curriculum of Class IX-X with Comparison of Present & Proposed Curriculum of W.B. in the Perspective of Achievement Of Higher Mathematics in UG & PG Level*, V.T.T. College, Midnapore, 15th & 16th March, 2013.
- [8] Attend International Conference on *Recent Trends in Mathematics and its Application*, Dept. of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 20th & 21st March, 2013.
- [9] Presented a paper entitled "TOPSIS in Generalized Intuitionistic Fuzzy Environment" in a National Seminar on *Mathematics to Commemorate Sesquicentenary of Sri Asutosh Mookherjee*, Dept. of Mathematics, Sidho-Kanho-Birsha University, Purulia, 25th April, 2014.
- [10] Attend International Conference on *Optimization and Computational Mathematics*, Dept. of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 1st & 2nd March, 2016.
- [11] Presented a paper entitled "An Integrated Model of EOQ and Newsboy Problem for Substitutable Items with Space Constraints" in the *International Conference on Information Technology and Applied Mathematics*, Haldia Institute of Technology, Haldia, 07-09 March 2019.