CV: Dr. Surapati Pramanik

- **Name: Dr. Surapati Pramanik**
- **Affiliation1 :** Department of Mathematics,
  Nandalal Ghosh B.T. College,
  Panpur, P.O.-Narayanpur,
  Dist-North 24 Parganas, West Bengal, India-743126
- **Email id: sura_pati@yahoo.co.in**
- **Mob. No: +919477035544**

- **Home Address:**

Flat no: 2 F, Gangatri Complex-1,

Street no: 123 Dr. B.C. Roy Road,

P.O.- Shyamnagar, Dist- North 24 Parganas, West Bengal, India, PIN-743127

- **Specialization/ research interest: Operations Research, Soft Computing, MCDM, Neutrosophic hybrid sets, game theory**

1. **Post held** : Assistant Professor
2. **Dt of Joining** : 13th September 2006
3. **Educational Qualification : Ph. D. (Mathematics), Ph. D. (Education), M. Sc. (Mathematics), M.Ed.**
   Title of the Ph.D. thesis: "*Fuzzy and intuitionistic fuzzy goal programming*".
   Obtained from Bengal Engineering and Science University (BESU), Shibpur, presently known as Indian Institute of Engineering Science and Technology (IIEST), Shibpur. February 2010

   Title of the Ph.D. thesis in Education: "***Contemporary Mathematics Education at Secondary Level in India, China and USA: A Comparative Evaluation*".**
   Obtained from University of Kalani, Kalyani, 2020
4. **Date of Birth** : 29th day of December, 1971
5. **Contact Address**
6. Permanent Address : Vill – Dubapara, P.O. – Kazipara, Dist – Murshidabad, West Bengal, India, Pin - 742306.
7. Current Address: :Gangatri Complex-1, Flat No: 2F, 123 Dr. B. C. Roy Road, P.O.-Shyamnagar , Dist- North 24 Parganas, West Bengal, India, PIN-743127,
8. **Languages Known** : Bengali, English
9. **Professional Courses Done** : B. Ed., M. Ed.

- **Field of Specialization** : Applied Mathematics, Soft Computing, Operations Operations Research, Neutrosophic and Hybrid Neutrosophic Sets, Mathematics Education

, ,

- **Teaching Experience** :17 years

Website of the college: http://ngbtc.in/

- https://vidwan.inflibnet.ac.in/profile/140869
- **ORCID ID:** https://orcid.org/0000-0002-8167-7026
- Googlescholar: https://scholar.google.com/citations?user=vLGVDYgAAAAJ&hl=en
- *ResearchGate: https://www.researchgate.net/profile/Surapati_Pramanik*
- https://loop.frontiersin.org/people/606237/overview

- Publons: https://publons.com/researcher/1582409/dr-surapati-pramanik/
- https://www.webofscience.com/wos/author/rid/Q-2768-2015
- LiveDNA Profile: https://livedna.org/91.20275

- Facebook: https://www.facebook.com/surapati.pramanik/

- Scopus Author ID: https://www.scopus.com/authid/detail.uri?authorId=14831724300
- **Web of Science Researcher ID** : Q-2768-2015;
- https://twitter.com/sura_pati
- www.linkedin.com/in/surapati-pramanik

https://twitter.com/sura_pati?lang=en

- World's Top cited 2% Scientists, 2023 , 2022 (prepared by Stanford University, USA, & Elsevier BV).
    - https://elsevier.digitalcommonsdata.com/.../btchxktzyw/6... (2023)
    - **https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/5 (2022)**

Peer Review Metrics : https://www.webofscience.com/wos/author/record/13581?state=%7B%7D

- 444 Verified Peer Reviews ovewr 299 manuascripts

Published research papers (National and International level) :162

Published book chapters (international level): 31

Conference proceedings: 04

Editorial books (Internal level): 03

Books: 07

SCOPUS

https://www.scopus.com/authid/detail.uri?authorId=14831724300

Citations: 1636

h-index: 22

documents: 60

Web of Science Core Collection metrics

https://www.webofscience.com/wos/author/record/Q-2768-2015

citations:1147

h-index: 18

documents:38

GoogleScholar: https://scholar.google.com/citations?user=vLGVDYgAAAAJ&hl=en citations:

citations: 7871

h-index: 49

h-index :141

Published Books of Surapati Pramanik: 07.

[1]. Pramanik, S. (2016). গণিত শিক্ষণের আধুনিক কৌশল. (Pedagogy of mathematics teaching)., Kolkata: Aaheli Publishers. ISBN: 81-89169-35-1.

[2]. Panda. M. & Pramanik, S. (2016). শিক্ষার্থী ও শিখন পদ্ধতির অনুধাবন . Understanding the learner & learning process. Kolkata:Aaheli Publishers.. ISBN:81-89169-54-8.

[3]. Pramanik, S. (2014). আধুনিক গণিত শিখন ও শিক্ষণ. Adhunik ganit shikhan o sikhsan. Kolkata: Aaheli Publishers. ISBN: 81-89169-73-4.

[4]. Pramanik, S., Sen, S., Dev, N., & Mandal, A. (2014). শিক্ষণে প্রযুক্তিবিজ্ঞান. Technology of teaching. Kolkata: Aaheli Publishers. ISBN: 81-89169-35-1.

[5]. Pramanik, S., Mukherjee, M., Mandal, A., Biswas, S. K. Saha, M., & Majundar, D. (2014). সমাজবিদ্যা শিক্ষণের বিষয়বস্তু ও পদ্ধতিগত কৌশল(Samajvidya shikshaner bishay bastu o padhatigata koishal (Content-cum methodology of teaching social studies.) Aaheli Publishers, Kolkata. ISBN:81-89169-42-4.

[6]. Pramanik, S., Mukherjee, M., Adok, C., Sen, S., & Saha, M. (2014). ভারতবর্ষে শিক্ষা (Education in India). Kolkata: Aaheli Publishers. Pp. 1-524. ISBN:81-89169-13-0.

[7]. Pal, S., Chand, B., Pramanik, S., Sen, S., Ganguly, A., Mondal, A.,… Kar, R. (2014). Shikhaker Karjabali (Functions of teacher). Kolkata: Aaheli Publishers. ISBN:81-89169-57-2.

Editorial Books : 03

1. Smarandache, F. & Pramanik, S. (Eds). (2016). New trends in neutrosophic theory and applications. Brussels: Pons Editions. Pp-1-424. ISSN: 978-1-59973-498-9.

2. Smarandache, F. & Pramanik, S. (Eds). (2018). New trends in neutrosophic theory and applications, *Vol.2. Brussels: Pons Editions. Pp-1-459. ISSN: 978-1-59973-559-7*
3. Smarandache, F. & Pramanik, S. (Eds). (2016). New Trends in Neutrosophic Theories and Applications, Volume III. Biblio Publishing, Grandview Heights, OH, United States of America. ISBN: 978-1-59973-789-8

Editor-in-Chief

Journal: Forum for Education Studies

https://ojs.acad-pub.com/index.php/FES/about/editorialTeam

publisher: Academic Publisher, Singapore

Editorial Board Member of International Journals

1. Neutrosophic Sets and Systems. http://fs.unm.edu/NSS/ Indexed by Scopus, USA
2. International Journal of Neutrosophic Science : http://americaspg.com/journals/show/21 S Indexed by Scopus, USA
3. Journal of New Theory (. **ISSN:** 2149-1402 . Turkey http://www.newtheory.org/editorial.html.
4. Current Chinese Science: Artificial Intelligence and Robotics. http://currentchinesescience.com/editorial-board.php
5. Current Chinese Science. https://currentchinesescience.com/computer-science/editorial-board.php **ISSN:** 2210-2914 (Online), **ISSN:** 2210-2981 (Prin)
6. Current Indian Science: Artificial Intelligence. Bentham Science Publishers. https://currentindianscience.com/editorial-board.php
7. **Neutrosophic Systems with Applications https://sciencesforce.com/index.php/nswa/about/editorialTeam**
8. Neutrosophic Knowledge. https://fs.unm.edu/NK/

Fellow Membership

1. International Society for Development and Sustainability (ISDS), Japan - Lifetime **Fellow Member (ID is M23110177)-** August 16, 2021.
2. **International Organization for Academic and Scientific Development (IOAD)-** Membership ID: FIOASD-10/D/2021- https://ioasd.org/membership-id-fioasd-10-d-2021/ 16/07/2021
3. International Scientific Research Organization for Science, Engineering and Technology (ISROSET)-**Fellow Member** ID:(**FISROSET-1064**)- October 16, 2019

Associated with:

[1]. Indian Institute of Engineering Science and Technology (IIEST), Shibpur, - Ph. D. Guide in Mathematics
[2]. Jadavpur University- Ph. D. Guide in Mathematics.
[3]. Operational Research Society of India (Senior life Member:1360/S/03/ML). https://orsihq.org/
[4]. Indian Statistical Institute, Kolkata (Life Member: L/8267): https://www.isical.ac.in/
[5]. Calcutta Mathematical Society, Kolkata (Life Member): https://www.calmathsociety.co.in/
[6]. Centre for Mathematical Biology and Ecology, Jadavpur University (Life Member)
[7]. All India Association for Educational Research (Life membership no:3558), 2012
[8]. Indian Association for Teacher Educators (Life Membership no: S399)-2013
[9]. Global Educational Research Association (Life Membership no: 91000556)-, From 2016.
[10]. Netaji Subhas Foundation (life Member)
[11]. International Society for Development and Sustainability (ISDS), Japan. Membership ID: **M007518**. April 17, 2018. https://www.isdsnet.com/index.html
[12]. The Association of Mathematics Teachers of India, Chennai:I19052
[13]. Ramanujan Society of Mathematics and Mathematical Sciences. Membership no. **RSMAMS/52/12. From 2019 :**
[14]. SAS Society: Membership ID: SAS/ LMSASS/121, http://www.sassociety.com/life-member-lmsass/
[15]. SBVS Professional Network Scholar

Membership

[1]. IAENG membership number is: 2 49590

[2]. Universal Association of Arts and Management Professionals (Fellow Student Member category). Membership ID is SM101000602379.

[3]. IEEE- Membership no: 97889088- IEEE Region: R10 -Asia and Pacific (one year active)

Supervision of research (Ph. D.) in mathematics": 6 candidates received Ph. D. Award.

1. Partha Pratim Dey

Title of the thesis: Some studies on linear and non-linear bi-level programming problems in fuzzy environment. (Awarded on 08/04/2015) by Jadavpur University

2. Durga Banerjee

Title of the thesis: Some studies on decision making in an uncertain environment. (Awarded on 08/09/2017) by Jadavpur University.

3. Pranab Biswas

Title of the thesis: Multi attribute decision making in neutrosophic environment. (Awarded on 20/02/2018) Jadavpur University

4. Shyamal Dalapati

Title of the thesis: "Some Studies on Neutrosophic Decision Making".
Date of registration: March 21, 2016
(Awarded on 02/04/2019) by Indian Institute of Engineering Science and Technology (IIEST), Shibpur

5. Kalyan Mondal: Title of the thesis: Some Decision Making Models Based on Neutrosophic Strategy.
Date of registration: April 26, 2016
(Awarded on 02/05/2019) Jadavpur University
https://shodhganga.inflibnet.ac.in/handle/10603/360526

6. Rumi Roy
Title of the thesis: "Some Studies on Neutrosophic Hybrid Decision Making".
Submitted on 31.03.2022
Awarded on 16.09.2022

Best Paper Awards/Outstanding paper in Seminar/Conference/Congress (06):

[1]. Mondal, K., Pramanik, S., & Giri, B. C. (2020). Neutrosophic number root mean square aggregation operators for multiple attribute decision making. 27 th West Bengal State Science and Technology Congress, 2020 (WBSSTC-2020) held at Science City, Kolkata on 28th & 29th February , 2020. Presented by Kalyan Mondal

[2]. Pramanik, S., Guha, D. (2019). A comparative study on secondary mathematics curricula of India and the United States. 26th West Bengal State Science & Technology Congress held on 28th February -1st March, 2019, Science City, Kolkata organized by Department of Science and technology and Biotechnology Government of West Bengal. (Presented by Surapati Pramanik)

[3]. Mondal, K., Pramanik, S., & Giri, B. C. (2018). Neutrosophic number contra-harmonic aggregation operators for multi-criteria group decision making. 25th West Bengal State Science and Technology Congress held on 4th and 5th March, 2018 at the Science City, Kolkata organized by Department of Higher Education, Science and technology and Biotechnology Government of West Bengal (Presented by Kalyan Mondal).

[4]. Saha, M., & Pramanik, S. (2013). Deshbhag shimante basabashkari kishore-kishoreeder bipathe chalita korchhe: 20th West Bengal State Science & Technology Congress held on 28th February-2nd March, 2013, Bengal Engineering and Science University, Shibpur.

[5]. Dey, P.P., & Pramanik, S. (2011). Fuzzy goal programming for multilevel linear fractional programming problems: 18th West Bengal State Science & Technology Congress held on 28th February -1st March, 2011, Ramakrishna Mission Residential College, Narendrapur, Kolkata 700 103.

[6]. Saha, M., & Pramanik, S. (2010). A study on life style education in secondary school in West Bengal: 17th West Bengal State Science & Technology Congress held on 4-5 March, 2010, West Bengal University of Animal and Fishery Sciences, Kolkata.

[7]. Pramanik, S., Chakrabarti, S., & Roy, T.K. (2008). Goal programming approach to bilevel programming in an intuitionistic fuzzy environment, Presented at 15th West Bengal State Science & Technology Congress held on 28th February-29th February, 2008, Bengal Engineering and Science University, Shibpur. (Presented by Sourendranath Chakrabarti in Mathematics).

Outstanding paper award in Regional Science Congress in West Bengal

1. Pramanik, S. (2019). Multi Level Decentralized Linear Programming Problem in Neutrosophic Number environment. Presented at 4th Regional Science and Technology

Congress (Southern region) 2019 held at Moulana Abul Kalam Azad University of Technology (MAKAUT) organized by Department of Science & Technology and Bio-Technology, Government of West Bengal & Moulana Abul Kalam Azad University of Technology (MAKAUT) held on December 23-24, 2019.

2. Mondal, K., Pramanik, S., & Giri, B. C. (2019). Neutrosophic number root mean square aggregation operators for multiple attribute decision making. Presented at 4th Regional Science and Technology Congress (Southern region) 2019 held at Moulana Abul Kalam Azad University of Technology (MAKAUT) organized by Department of Science & Technology and Bio-Technology, Government of West Bengal & Moulana Abul Kalam Azad University of Technology (MAKAUT) held on December 23-24, 2019. (Presented by Kalyan Mondal)

3. Pramanik, S., & Guha, D. (2018). A comparative study on secondary mathematics curricula of India and the United States. Presented at 3rd Regional Science and Technology Congress, 2018 Southern Region, 18th and 19th December 2018 organized by Bidhannagar College Government of West Bengal jointly with Department of Science and Technology and Biotechnology, Government of West Bengal. (Presented by S. Pramanik).

4. Mondal, K., Pramanik, S., & Giri, B. C. (2017). Neutrosophic number contra-harmonic aggregation operators for multi-criteria group decision making. Presented at the 2nd Regional Science and Technology Congress (Southern Region), 2017 (2nd RSTC(SR), 2017) jointly organized by the University of Kalyani (K.U.) and Department of Higher Education, Science and Technology and Biotechnology (DHESTBT), Government of West Bengal during December 14-15, 2017 at University of Kalyani, Nadia-741235. (Presented by K. Mondal)

5. Biswas, P., Pramanik, S., & Giri, B. C. (2017). Students' progress reports evaluation based on fuzzy hybrid vector similarity measure. Presented at the 2nd Regional Science and Technology Congress (Southern Region), 2017 (2ND RSTC(SR), 2017) jointly organized by the University of Kalyani (K.U.) and Department of Higher Education, Science and Technology and Biotechnology (DHESTBT), Government of West Bengal during December 14-15, 2017 at University of Kalyani, Nadia-741235. (Presented by P. Biswas).

6. Mondal, K., Pramanik, S., & Giri, B. C. (2016). Interval-valued neutrosophic tangent similarity measure and its application in money investment decision making problems. Presented at 1st Regional Science and Technology Congress, 2016, Presidency Division, jointly organized by the Department of Science and Technology, Government of West Bengal in collaboration with National Institute of Technical Teachers' Training & Research (NITTTR), Kolkata). (Presented by K. Mondal).

7. Pramanik, S., Dalapati, S., & Roy, T. K. (2016). Logistics Center location selection approach based on neutrosophic multi-criteria decision making. . Presented at 1st Regional Science and Technology Congress, 2016, Presidency Division, jointly organized by the Department of Science and Technology, Government of West Bengal in collaboration with National Institute of Technical Teachers' Training & Research (NITTTR), Kolkata). (Presented by S. Dalapati).

All Published Research papers: 162

162. Chatterjee, T., & Pramanik, S. (2025). Triangular fuzzy quadripartitioned neutrosophic set and its properties. Neutrosophic Sets and Systems, 75, 15-28. doi: 10.5281/zenodo.13932302 https://fs.unm.edu/nss8/index.php/111/article/view/5035

161. Nandy, A., & Pramanik, S. (2024). Science curriculum at secondary school level of India and Singapore: A comparative study. Bharati International Journal of Multidisciplinary Research & Development (BIJMRD), 2 (9), 1-19. doi:10.70798/Bijmrd/02090001

160. Mallick, R., Pramanik, S. & Giri, B.C. (2024). MADM strategy based on quadripartition neutrosophic weighted hamacher aggregative operators and entropy weight**.** Wireless Personal Communications. https://link.springer.com/article/10.1007/s11277-024-11573-7

159. Mallick, R., Pramanik, S. & Giri, B.C. (2024). .'QNN-MAGDM strategy for E-commerce site selection using quadripartition neutrosophic neutrality aggregative operators'. International Journal of Knowledge-based and Intelligent Engineering Systems, 28(3), 457-481. https://doi.org/10.3233/KES-230177

158. Mallick, R., Pramanik, S. & Giri, B.C. (2024). TOPSIS and VIKOR strategies for COVID-19 vaccine selection in QNN environment. OPSEARCH . https://doi.org/10.1007/s12597-024-00766-0

157. Prasad, R., Maiti, I., Das, S., Pramanik, S., & Mandal, T. (2024). Fuzzy goal programming approach for solving linear fractional programming problems with fuzzy conditions. Journal of Fuzzy Extension and Applications, 5(3), 330-352.

156. Debroy, P., Majumder, P., Pramanik, S., & Seban, L. (2024). TrF-BWM-Neutrosophic-TOPSIS Strategy under SVNS Environment Approach and Its Application to Select the Most Effective Water Quality Parameter of Aquaponic System. Neutrosophic Sets and Systems, 70, 217-251.

155. Shil, B., Das, S., Das, R., & Pramanik, S. (2024). Single-valued pentapartitioned neutrosophic soft set. Neutrosophic Sets and Systems, 67, 57-74.

154. Pramanik, S. (2024). Editorial for Human Resources Management and Services (Volume 5, Issue 2). *Human Resources Management and Services*, *5*(2). doi: https://doi.org/10.18282/hrms.v6i2.3475

153. Pramanik, S. (2023). SVPNN-ARAS strategy for MCGDM under pentapartitioned neutrosophic number environment. *Serbian Journal of Management*, *18*(2), 405-420. doi: 10.5937/sjm18-44545

152. Majumder, p., Paul, A., & Pramanik, S. (2023). Single-valued pentapartitioned neutrosophic weighted hyperbolic tangent similarity measure to determine the most significant environmental risks during the COVID-19 pandemic. Neutrosophic Sets and Systems, 57, 57-75. doi: 10.5281/zenodo.8271325

151. Sahoo, S., Pramanik, S., & Panigrahi, P. (2023). SVNN-entropy weighting strategy (SVNN-EWS) for popularity ranking factors in library and information system: A neutrosophic framework. *College Libraries*, *38*(1), 88–102. Retrieved from http://collegelibraries.in/index.php/CL/article/view/106

150. Pramanik, S., Das, S., Das, R., Tripathy, B. C. (2023). Neutrosophic BWM-TOPSIS strategy under SVNS environment. Neutrosophic Sets and Systems, 56, 178-189.

149. Pramanik, S., & Dalapati, S. (2023). VIKOR-Based MAGDM Strategy Revisited in Bipolar Neutrosophic Set Environment. *Journal of Computational and Cognitive Engineering*, *2*(3), 220–225. https://doi.org/10.47852/bonviewJCCE2202207

148. Mallick, R., Pramanik, S., & Giri, B. C. (2023). Neutrosophic MAGDM based on CRITIC-EDAS strategy using geometric aggregation operator. *Yugoslav Journal of Operations Research*, 33 (4), 683-698. http://dx.doi.org/10.2298/YJOR221017016M

147. Pramanik, S. (2023). Interval pentapartitioned neutrosophic sets. *Neutrosophic Sets and Systems*, *55*, 232-246. DOI: 10.5281/zenodo.7832745

146. Maiti, I., Mandal, T., & Pramanik, S. (2023). A goal programming strategy for bi-level decentralized multi-objective linear programming problem with neutrosophic numbers. *International Journal of Applied Management Science, 25(1),47-72. Doi:*10.1504/IJAMS.2023.10053275

145. Pramanik, S. (2022). Interval quadripartitioned neutrosophic sets. Neutrosophic Sets and Systems, 51, 2022, 146-156. 10.5281/zenodo.7135267

144. Das, S., Shil, B. &Pramanik, S. (2022). HSSM- MADM strategy under SVPNS environment. *Neutrosophic Sets and Systems, 50,* 379-392. doi: **10.5281/zenodo.6774856**

143. Das, S., Das, R., &Pramanik, S. (2022). Single valued pentapartitioned neutrosophic graphs. *Neutrosophic Sets and Systems,50,* 225-238. doi: 10.5281/zenodo.6774779

142. Das, S., Das, R., &Pramanik, S. (2022). Single valued bipolar pentapartitioned neutrosophic set and its application in MADM strategy. *Neutrosophic Sets and Systems*, *49*, 2022,145-163. doi: 10.5281/zenodo.6426381

141. Das, S., Das, R., &Pramanik, S. (2022). Neutrosophic separation axioms. Neutrosophic Sets and Systems, 49, 103-110. DOI: 10.5281/zenodo.6426377

140. Das, S., Das, R., Pramanik, S., & Tripathy, B. C. (2022). Neutrosophic infi-semi-open set via neutrosophic infi-topological spaces. *International Journal of Neutrosophic Science, 18*(2), 199-209. **Doi :** https://doi.org/10.54216/IJNS.180204 SCOPUS Indexed

139. Maiti, I., Mandal, T., & Pramanik, S., &Das, S. (2021). Solving multi-objective linear fractional programming problem based on Stanojevic's normalisation technique under fuzzy environment. *International Journal of Operational Research, 42*(4),543–564. doi: https://doi.org/10.1504/IJOR.2021.119941

138. Das, S. Das, R. & Pramanik, S. (2021). Topology on ultra neutrosophic set. *Neutrosophic Sets and Systems*, 47, 93-104. doi: 10.5281/zenodo.5775098

137. Mondal, K., Pramanik, S., & Giri, B. C. (2021). NN-TOPSIS strategy for MADM in neutrosophic number setting. *Neutrosophic Sets and Systems*, 47, 66-92.doi: 10.5281/zenodo.5775093.

136. Das, S. Shil, B. & Pramanik, S. (2021). SVPNS-MADM strategy based on GRA in SVPNS environment. *Neutrosophic Sets and Systems*, 47, 50-65. doi:10.5281/zenodo.5775091. SCOPUS Indexed 137645, 366-377. **DOI: 10.5281/zenodo.5486526**

135. Sara Momtazmanesh; Amene Saghazadeh; Juan Carlos Aldave Becerra; Kiarash Aramesh; Francisco J. Barba; Federico Bella; Anna Blakney; Massimo Capaccioli; Rossella Castagna; Umberto Crisanti; Tigran Davtyan; Tommaso Dorigo; Julie Ealy; Mehdi Farokhnia; Giulia Grancini; Manoj Gupta; Amine Harbi; Wojciech Krysztofiak; Arutha Kulasinghe; Chi Ming Lam; Alexander Leemans; Brian Lighthill; Vittorio Limongelli; Paola Lopreiato; Livio Luongo; Christopher Ryan Maboloc; Reza Malekzadeh; Orlando Costa Gomes; Milos Milosevic; Jan Nouwen; Delfín Ortega-Sánchez; John Pawelek; Surapati Pramanik; Seeram Ramakrishna; Ortwin Renn; Serena Sanseviero; Daniel Sauter; Michael Schreiber; Frank W. Selke; Mohammad-Ali Shahbazi Shahbazi; Natalya Shelkovaya; Wayne H. Slater; Didier Snoeck; Slawomir Sztajer; Lucina Q. Uddin; Liz - Veramendi Espinoza; Ricardo Vinuesa; Walter C. Willett; Dongrui Wu; Karolina Żyniewicz; Nima Rezaei. *(2021). International scientific collaboration is needed to bridge science to society: USERN2020 consensus statement*. *SN Comprehensive Clinical Medicine*, *3* 1699–1703. . *doi:* https://doi.org/10.1007/s42399-021-00896-2

134. Das, S. & Pramanik, S. (2020). Neutrosophic Φ-open sets and neutrosophic Φ-continuous functions. *Neutrosophic Sets and Systems, 38*, 355-367. 10.5281/ZENODO.4306899

133. Das, S. & Pramanik, S. (2020). Neutrosophic simply soft open set in neutrosophic soft topological space. *Neutrosophic Sets and Systems*,*38*, 235-243. doi: 10.5281/zenodo.4300505

132. Mallick, R., & Pramanik, S. (2020). Pentapartitioned neutrosophic set and its properties. *Neutrosophic Sets and Systems*, *36*, 184-192.doi**: 10.5281/zenodo.4065431**

131. Das, S. & Pramanik, S. (2020). Generalized neutrosophic b-open sets in neutrosophic topological space. *Neutrosophic Sets and Systems, 35*, 522-530. doi: 10.5281/zenodo.3951716

130. Pramanik, S., & Mallick, R. (2020). MULTIMOORA strategy for solving multi-attribute group decision making (MAGDM) in trapezoidal neutrosophic number environment. *CAAI Transactions on Intelligence Technology*, *5*(3), 150-156.

https://doi.org/10.1049/trit.2019.0101

129**.** Pramanik, S., & Guha, D. (2019). A comparative study on mathematics textbooks of NCERT, and West Bengal Board of Secondary Education. International Journal of *Engineering, Applied and Management Sciences Paradigms, 54*(3), 442-449.

128. Maiti, I., Mandal, T., & Pramanik, S. (2019). Neutrosophic goal programming strategy for multi-level multi-objective linear programming problem. *Journal of Ambient Intelligence and Humanized Computing,* 11, 3175-3186. doi:10.1007/s12652-019-01482-0.

127. Pramanik, S. & Dey, P. P. (2019). Multi-level linear programming problem with neutrosophic numbers: A goal programming strategy. *Neutrosophic Sets and System, 29*, 242-254. **10.5281/zenodo.3514437**

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Conference proceedings.

1. Mallick, R., & Pramanik, S .(2019). Interval trapezoidal neutrosophic number VIKOR strategy for multi attribute decision making. In A. Adhikari, & M. R. Adhikari (Eds.), Proceedings of Institute for Mathematics, Bioinformatics, Information Technology and Computer-science (IMBIC) : Vol.8. Mathematical Sciences for Advancement of Science and Technology (MSAST) (pp.129-133).
2. Pramanik, S. (2023). Mathematical truth from a neutrosophic point of view. In Ghose, A., & Chel, M.M. (Eds) Proceedings of the 34th Annual Conference of Centre for Pedagogical Studies in Mathematics, Vol. 31 (pp.16-20). https://doi.org/10.5281/zenodo.13999247 ISBN: 978-81-964521-0-0
3. Mallik, M. B., Pramanik, S., & Yasmin, M. (2023). A brief report on a panel discussion on ability of reasoning, argumentation and proof in mathematics on 02.07.2023. In Ghose, A., & Chel, M.M. (Eds.), Proceedings of the 34th Annual Conference of Centre for Pedagogical Studies in Mathematics (pp.6-7). ISBN: 978-81-964521-0-0
4. Sahoo, S., Panigrahi, P., & Pramanik, S. (2023). Assign weights to ranking factors under group popularity for library and information system based on the CRITIC strategy. In D. C, Kar, S.Z. Khan, A. Durrany , & P. K. Jain (Eds*), New and Innovative Libraries in Digital Era: Services and Practices* (pp. 390-397). Bookwell, Delhi.
5. Pramanik, S. (2024). A short review of Zdzislaw Pawlak: Life & Work:1926-2006. In R. N. R. N. Bhaumik (Ed.), Proceedings of Final Year Anniversary of Prof. Z. I. Pawlak (pp. 102-119). Fuzzy and Rough Sets Association, Agartala, India (6th News Bulletin of FRSA).
6. Pramanik, S. (2024). Neutrosophic view theory of mathematics, a new philosophy of Mathematics. . In Ghose, A., & Chel, M.M. (Eds.), Proceedings of the 35th Annual Conference Centre for Pedagogical Studies in Mathematics, Vol. 32 (pp. 64-71). ISBN:978-81-964521-3-1
7. Pramanik, S. (2024). A brief report of a panel discussion on 30/06/2024. Proceedings of the 35th Annual Conference Centre for Pedagogical Studies in Mathematics, Vol. 32 (pp. 8-12). ISBN:978-81-964521-3-1

Invited talk in international webinar:

1. RNN-MABAC strategy for MADM in rough neutrosophic number environment" in the e-conference on Fuzzy Sets and Fuzzy Logic –Generalizations & Applications Organized

by Fuzzy & Rough Set Association, Tripura, India on 07.09.2023 (6. 9. 2023 - 8. 9. 2023).

2. 2023. Pramanik, S. Document classification in IRS: a neutrosophic strategy in the International Conference entitled: ICRTIM23 on 29.06.2023 organized by Central Library, Yogoda Satsanga Palpara Mahavidyalaya, Palpara, Purba Medinipur, West Bengal, India2023. Pramanik, S. "Interval pentapartitioned neutrosophic set and their properties" at the ICMA-2023 at Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu on march 25, 2023.
3. 2023. Pramanik, S. **SVPNS-ARAS Strategy for multi-attribute group decision-making (MAGDM) under Single Valued Pentapartitioned Neutrosophic Set Environment.** International May Conference on Strategic Management 23 (IMCSM-23) on 25 May, 2023 via online mode organized by Management Department, Technical faculty in Bor, University of Belgrade, Serbia.
4. 2022. Pramanik, S. CRITIC-EDAS strategy using geometric aggregation operator in pentapartitioned neutrosophic set environment. at 7th Universal Science Education and Research Network (USERN) Congress held at Muscat, Oman on November 8-12, 2022.
5. 2021. Pramanik, S. "IBNS-MADM strategy in bipolar and interval bipolar neutrosophic set environments" in the International e-conference on Rough Sets, Fuzzy Sets and Their Applications Organized by Fuzzy & Rough set Association, Tripura, India on January 24, 2021.
6. Pramanik, S., & Mallick, R. "TrNN-ARAS Strategy for Multi-Attribute Decision-Making (MADM) in Trapezoidal Neutrosophic Number Environment" in "Two days Online International Conference on 'Advances in Applied Sciences, Humanities & Technology to Overcome Global Disasters' " (ICAASHTOGD-2020) on 18-19 September, 2020 (Online Mode)* organized by Department of Applied Sciences and Humanities *in Association with Institution of Engineers India, Agra.
7. Pramanik, S. Title of the presentation: "Neutrosophic Numbers: History and Basic Notions" at Universal Science Education and Research Network (USERN) Conference-2020, (the 5th USERN Congress) held at held on November 7-10, 2020 in Tehran, Iran, in a hybrid model ("in-person" event with a "virtual" online component)
8. Title of the presentation: "Neutrosophic Decision Making"organized by Department of Mathematics, Bannari Amman Institute of Technology, An Autonomous Institution, Affiliated to Anna University, Approved by AICTE, Accredited by NAAC with "A" Grade, held on 19.10.2020.
9. Title of the presentation: "Neutrosophic sets and its extensions". "Recent Trends in Mathematics"-New Dimension held on Aug 16, 2020. Organized by Siddihnath Mahavidyalaya, West Bengal, India

Invited talk in national webinar:

1. Title of the presentation: "New developments in neutrosophic set". at National Seminar: "Recent Developments in Applied Mathematics" organized by School of Mathematics, Kumaraguru College of Liberal Arts and Science on 30.11.2020

Paper presented at **Faculty Development Programme (FDP) at National Level**

[1] Title of the presentation: "Fuzzy Mulitlevel Programming" AICTE Sponsored Short Term Training Program (STTP) on "Optimization Techniques: Recent Trends & Applications in

Engineering" organized by the Mechanical Engineering department of MCKV Institute of Engineering. The event will take place on 8th October, 2020 at 10.00 a.m. to 11 A.M.

[2] Title of the presentation: Multi-Criteria Decision Making Techniques and Applications organized by Calcutta Business School, Kolkata, West Bengal.. Sptember 03, 2020.

International Conference/Seminar/Symposium (Presented papers): 26

26. IBNS-MADM strategy in bipolar and interval bipolar neutrosophic set environments . The International e-Conference on Rough Sets, Fuzzy Sets and their Applications held on 24-25th January 2021. Organized by Fuzzy and Rough Sets Association, Agartala, Tripura, India.

25. Pramanik, S. (2021). TrNN-ARAS Strategy for Multi-Attribute Decision-Making (MADM) in Trapezoidal Neutrosophic Number Environment. Two Days International Conference on 'Advances In Applied Sciences, Humanities & Technology to Overcome Global Disasters', held 0n 18-19 September, 2020. Organized By the Department of Applied Sciences (Mathematics), Raja Balwant Singh Engineering Technical Campus, Bichpuri, Agra in Association With Institute Of Engineers, India (IEI).

24. Pramanik, S. (2021). Revisit to VIKOR Based MAGDM Strategy in Bipolar Neutrosophic Set Environment. Presented at the International Webinar on Mathematical Analysis and its Applications (IWMAA2021) April 8-9, 2021 organized by Department of Mathematics, Tripura University.

23.Maiti, I, Mandal, T., & Pramanik, S. (2019): FGP approach based on Stanojevic's normalization technique for multi- level multi- objective linear fractional programming problem with fuzzy parameters. Presented at ICITAM 2019 on March 7, 2019. Presented by Indrani Maiti.

22. Pramanik, S., & Guha, D. (2019). Contributions of selected Bengali Muslims in mathematics: a study. Presented at International Conference on "Bengali Muslims at the crossroads: possibilities and challenges" held on 16-17 November 2019 jointly organised by Department of Mass Communication, Aliah University, Kolkata, and Bengali Academia for Social Empowerment (BASE).

21. Pramanik, S., & Guha, D. (2019). A comparative study development of secondary mathematics curricula of India and China. Presented at 5th International Conference, Indian Social Sciences & Humanities Congress 2019 (SAMAGAM 19) held on 7.9. 2019 & 8. 9. 2019 at Kolkata organized by the Paschimbanga Anchalik itihas o Loksanskriti Chjarcha Kendra in Collaboration with Department of Library & Information Science, Jadavpur University.

20. Pramanik, S., & Guha, D. (2019). Comparative study on contribution of women of India and China in multi-criteria decision making (MCDM) in neutrosophic environment. Presented at International Conference on "Women and Society "held on 7th July, 2019 organized by Department of Sociology,

Nur Mohammad Smriti Mahavidyalaya, Murshidabad, West Bengal, and Department of Sociology, Raha Govind University, Ramgarh, Jharkhand.

19. Pramanik, S., & Guha, D. (2019). Teacher educations in the India and the USA: a comparative study. Presented at the International Seminar on "Globalization and paradigm shift in teacher education" organized by Rajendra Academy for Teachers' Education on March 31, 2019.

18. Pramanik, S., & Guha, D. (2018). A comparative study on development of secondary mathematics curricula of China, India and USA. Presented at International Seminar on "Educational Renovation in Contemporary Society.", 23 rd December, 2018, organized by Nathula Das PTTI & B. Ed. College in collaboration with University of Kalyani, Kalyani, Nadia, West Bengal, India.

17. Pramanik, S., & Das, K. (2018). Challenges and prospects of mathematics education in India. Presented at International Level Seminar on "Quality of Teaching-Learning in Higher Education in India: Concerns & Challenges", August 24-25, 2018, organized by Department of Education, Bankura University, West Bengal, India .

16. Guha, D., &Pramanik, S. (2018). Professional development of secondary mathematics teachers in India and China: A comparative study. Presented at International Level Seminar on "Quality of Teaching-Learning in Higher Education in India: Concerns & Challenges", August 24-25, 2018, organized by Department of Education, Bankura University, West Bengal, India.

15. Mondal, K., & Pramanik, S. (2015). Several trigonometric hamming similarity measures of rough neutrosophic sets and their applications in decision making, presented at International Conference on non-linear Dynamics, Analysis and Optimization. (ICNDAO-2015) December 9-11, 2015, Organized by Department of Mathematics, University of Jadavpur (presented by K. Mondal).

14. Dey, P. P., Pramanik, S., & Giri, B. C. (2015). TOPSIS for solving multi-attribute decision making problems under bi-polar neutrosophic environment, presented at International Conference on non-linear Dynamics, Analysis and Optimization. (ICNDAO-2015) December 9-11, 2015, Organized by Department of Mathematics, University of Jadavpur (presented by P.P. Dey).

13. Biswas, P., & Pramanik. S. (2014). Neutrosophic multi-attribute decision-making. 3rd International Conference of Frontiers of Mathematics & Applications (ICFMA-2014) January 29-31, Organized by Department of Mathematics, Burdwan University (Presented by S. Pramanik).

12. Biswas, P., & Pramanik. S. (2012). Medical diagnosis based on Intuitionistic fuzzy cosine similarity measure, presented at International Conference on Frontiers of Mathematical Sciences with Applications (ICFMSA – 2012) December 7 - 9, 2012, Calcutta Mathematical Society, Kolkata. (Presented by Pranab Biswas).

11. Pramanik, S., Banerjee, D., & Giri, B. C. (2012). Chance constrained quadratic fractional bi-level programming problem. presented at International Conference on Frontiers of Mathematical Sciences with Applications (ICFMSA – 2012) December 7 - 9, 2012, Calcutta Mathematical Society, Kolkata. (Presented by S. Pramanik).

10. Dey, P. P., & Pramanik, S. (2012). Intuitionistic trapezoidal fuzzy multi-criteria group decision making approach based on grey relational analysis for weaver selection in Khadi institution, presented at International Conference on Frontiers of Mathematical Sciences with Applications

(ICFMSA – 2012) December 7 - 9, 2012, Calcutta Mathematical Society, Kolkata. (Presented by P.P. Dey)

9. Pramanik, S. (2012). A critical review of Vivekanada's educational thoughts for women education based on neutrosophic logic. International Seminar on "Thoughts & Ideas of Swami Vivekananda on Education" April 18-19, 2012, Department of Education, University of Kalyani, Kalyani, Nadia, W.B., India.(Presented by S. Pramanik).

8. Dey, P. P., & Pramanik, S. (2011). A grey relational analysis based intuitionistic fuzzy multi-attribute decision-making approach for weaver selection in khadi industry, presented at International Conference on Recent Advances in Mathematical Sciences and Applications (ICRAMSA-2011), December 09-11, 2011, Calcutta Mathematical Society, Kolkata. (Presented by Partha Pratim Dey & S. Pramanik).

7. Pramanik, S., & Biswas, P. (2011). Intuitionistic fuzzy multicriteria group decision-making approach based on grey relational analysis for teacher selection in secondary education, presented at International Conference on Recent Advances in Mathematical Sciences and Applications (ICRAMSA-2011), December 09-11, 2011, Calcutta Mathematical Society, Kolkata. (S. Pramanik).

6. Dey, P. P., & Pramanik, S. (2011). Quadratic bilevel multiobjective programming problem based on fuzzy goal programming approach, presented at International Conference on "Frontiers in Applied Mathematics and is Computational Aspects (ICFAM-CA-2011), Department of Applied Mathematics, University of Kolkata 15-17 March, 2011, Kolkata. (presented by S. Pramanik).

5. Dey, P. P., & Pramanik, S. (2010). Linear fractional multiobjective bilevel programming problem based on Taylor series approximation, presented at International Conference on recent development in mathematical sciences and their applications (ICRDMSA-2010) Calcutta Mathematical Society, December 09-11, 2010, Kolkata.(presented by S. Pramanik).

4. Pramanik, S. (2010). Multiobjective bilevel programming problem with fuzzy parameters: a fuzzy goal programming approach. Presented at International Conference on recent development in mathematical sciences and their applications (ICRDMSA-2010) Calcutta Mathematical Society, December 09-11, 2010, Kolkata (Presented by S. Pramanik).

3. Pramanik, S., Chakrabarti, S.N., & Roy, T. K. (2008). Goal programming approach to bilevel programming in an intuitionistic fuzzy environment, Presented at International Symposium on "Recent Advances in Mathematics and its applications, ISRAMA 2008, Calcutta Mathematical Society, December19-21, 2008, Kolkata. (S. Pramanik).

2. Pal, B. B. Jana, R. K., & Pramanik, S. (2004). The use of genetic algorithm for solving multiobjective bilevel programming problems through fuzzy goal programming. Presented at the "International Conference on Operations Research (ICOR)", January 9-11, 2004, ISI, Kolkata. (Presented by S. Pramanik).

1. Pramanik, S., Moitra, B. N., & Pal, B. B. (2003). A goal programming method for fuzzy linear multiobjective bilevel programming problems. Presented at the Sixth "International Conference of the Association of Asia Pacific Operational Research Societies within IFOROS, APORS 2003, December 8-11, 2003, New Delhi. (Presented by S. Pramanik).

National Conference /Seminar/Symposium (Presented Papers): 22

22. S. Pramanik. (2021). IBNS-MADM strategy in bipolar and interval bipolar neutrosophic set environments. Presented at "International e-Conference on Rough Sets, fuzzy sets and their applications" Organized by Fuzzy and Rough Sets Association, Agartala, Tripura, India, held on 24th & 25th January, 2021.

21. Pramanik, S., & Guha, D. (2019). Mathematics teaching expertise development approaches and practices: A comparative study between India and China. Presented at National Seminar on "Modern Trends in Teacher Education: Challenges & Issues" on 23 February, 2019, organized by Baluchar PPTI.

20. Pramanik, S. (2018). A comparative study of math Education and math performance between China, India, and USA. Presented at National Seminar on "Need for skill and competency development in teacher education" held on 18 November, 2018, organized by Annapurna Memorial College of Education, Kashinagar, Kakdwip, South 24 Parganas.

20. Pramanik, S. (2017). Bipolar neutrosophic projection based models for multi-attribute decision making problem. Presented at Higher Education Directorate sponsored two-day National Seminar-cum Workshop on "Recent Advances in Mathematics and Mathematical Sciences: Its teaching and learning" organized by Department of Mathematics, Muragachha Govt. College in collaboration with Calcutta Mathematical Society & the (Indian) Mathematics Consortium-TMC, February 22-23, 2017.

19. Pramanik, S. (2015). Violence against women in India-current realities and strategies for change. Presented at National seminar on "Status of Women in Indian Society" organized by Centre for Women's Studies, University of Kalyani, Kalyani, Nadia, August 21, 2015.

18. Pramanik, S. (2015). Rough neutrosophic decision-making based on accuracy score function. Presented at National seminar on "Recent advances in mathematics and its applications (RAMA-2015) held on March 12, 2015 held at and organized by the Department of Pure Mathematics, University of Calcutta, 35 Ballygange Circular Road, Kolkata-700019.

17. Multi-attribute decision – making in neutrosophic environment. Presented at National seminar on "Recent developments in mathematics and its applications (RDMA-2014) held on March 12, 2014 held at and organized by the Department of Pure Mathematics, University of Calcutta, 35 Ballygange Circular Road, Kolkata-700019.

16. Pramanik, S. (2014). Neutrosophic multi-attribute decision-making with unknown weight information. Presented at National seminar on "National Seminar on Mathematical Applications (NSMA- 2014), University of Kalyani, Kalyani, Nadia, March 4-5, 2014.

15. Pramanik, S. (2014). Fuzzy goal programming: An overview. Presented on National Conference on "Non-linear dynamics, analysis and optimization (NDAO- 2014)" organized by Department of Mathematics, Jadavpur university, (Under UGC-DRS Programme), Kolkata, January 9-10, 2014.

14. Biswas, P., Dey, P. P., & Pramanik, S. (2014). Grey relational analysis method for single-valued neutrosophic multiple attribute decision making. Presented on National Conference on "Non-

linear dynamics, analysis and optimization (NDAO- 2014)" organized by Department of Mathematics, Jadavpur university, (Under UGC-DRS Programme), Kolkata, January 9-10, 2014. (Presented by P. Biswas).

13. Biswas, P, Dey, P. P., & Pramanik, S. (2014). TOPSIS for quadratic bi-level multi-objective decision making problem based on fuzzy goal programming. Presented on National Conference on "Non-linear Dynamics, analysis and optimization (NDAO- 2014)" organized by Department of Mathematics, Jadavpur University, (Under UGC-DRS Programme), Kolkata, January 9-10, 2014. (Presented by P. P. Dey).

12. M. Saha & S. Pramanik. (2013). Instructional role of information and communication technology in constructivist learning environment. Presented on National-Level Seminar on "Modern trends in teacher education". Organized by Durgapur Anandamoy B.Ed. College, Village – Durgapur, P.O. Kalirhat, P.S. Kotwali, District – Nadia, PIN-741184, W.B., India, 16th January 2013. (Presented by M. Saha).

11. Dey, P. P. & Pramanik, S. (2013). Application of grey relational analysis based multi-attribute decision-making for weaver selection in Khadi Institution with intuitionistic trapezoidal fuzzy numbers. 100 th Indian Science Congress, hosted by Calcutta University, Kolkata, 3-7 January, 2013. (Present by P.P. Dey).

11. Application of intuitionistic trapezoidal fuzzy weighted geometric averaging operator for weaver selection in Khadi Institution based on grey relational analysis. Presented on UGC-SAP (DRS-I) Sponsored National Seminar on Recent trends in mathematic (NSRTM-2013)

10. Pramanik, S. (2012). Grey relational analysis based intuitionistic fuzzy multi-criteria group decision-making approach for ranking self-efficacy of students for learning mathematics. Presented on UGC Sponsored National seminar on "Mathematical Self Efficacy" organized by Ramakrishna Mission Sikshamandira, Belur Math in collaboration with GCM College of Education, New Barrackpore, March 14-15, 2012.

9. Ghosh, P., Pramanik, S. (2012). A study on the problems of preservation of local history collection in public libraries in Maynaguri block in Jalpaiguri district. Presented on National seminar organized by Moinaguri Collge, Jalpaiguri January 13-14, 2012. (Presented by Palash Ghosh).

8. Pramanik, S., & Dey, P.P. (2011). Quadratic decentralized bilevel multiobjective programming problem based on fuzzy goal programming. Presented at National seminar on "Analysis Modelling and Geometry (NSAMG 2011), University of Kalyani, Kalyani, Nadia, March 10-11, 2011 (Presented by S. Pramanik).

7. Pramanik, S. (2011). Application of game theory methodology to Jammu-Kashmir conflict between India and Pakistan, Presented at University of Gour Banga in 71th session in Indian History Congress, University of Gour Banga, Malda, 11-13 February 2011.

6. Pramanik, S. (2011). Decentralized bilevel multiobjective programming problem with fuzzy parameters based on fuzzy goal programming, Presented at National Conference on Mathematics and its Application (NCMA 2011), Jadavpur University, 13-14 January 2011, Kolkata.

5. Dey, P. P., & Pramanik, S. (2011). Linear fractional bilevel multiobjective decentralized programming problem based on Taylor series approximation- A fuzzy goal programming approach, Presented at National Conference on Mathematics and its Application (NCMA 2011), Jadavpur University, 13-14 January 2011, Kolkata. (Presented by S. Pramanik).

4. Saha, M., & Pramanik, S. (2010). Evolution of examination system at secondary stage in India: Colonial Period to 21st Century. Presented at National Seminar on Policies Adopted and Practices by the Boards of Secondary Education on Various Issues: Affiliation, Admission, Recruitment, Curriculum and Examination. University of Gour Banga, December 09-10, 2010. (Presented by S. Pramanik).

3. Pramanik, S., & Dey, P. P. (2010). Fuzzy goal programming approach to linear fractional bilevel decentralized programming problem based on Taylor series approximation, Presented at National Seminar on "Frontier Mathematics and Applications" NSFMA-2010, Calcutta Mathematical Society, March 27-28, 2010, Kolkata. (Presented by P. P. Dey).

2. Pramanik, S. (2010). Hierarchical optimization with fuzzy-parameters: a fuzzy goal `programming approach. Presented at National seminar "Frontier Mathematics and Applications" NSFMA-2010, Calcutta Mathematical Society, March 27-28, 2010, Kolkata.

1. Pramanik, S. (2010). Bilevel decentralized programming problem with fuzzy parameter: a fuzzy goal programming approach. Presented at National seminar on "Recent Trends in Operations Research and Its Computational Challenges" held during November 17-18, 2009 in Department of Applied Mathematics, University of Calcutta, Kolkata.

State Level Seminar (Presented Papers): 36

36. Pramanik, S. (2020). Neutrosophic set: An overview. Presented at West Bengal Rajya Ganit Utsav-2020 on February 8-9, 2020. held at Narendrapur Ramkrishna Mission, West Bengal, India.

35. Pramanik, S. (2019). Vivekananda and women education: a neutrosophic study. Presented at state level seminar on "Relevance of Swami Vivekananda in the present context of education" on September 24, 2019 held at Nandalal Ghosh B.T. College, Panpur jointly organized by Nandalal Ghosh B.T. College, Panpur and Shishu Chitrakala Bhaban, Narayanpur, North 24 Parganas, West Bengal.- COLLEGELEVEL

34. Pramanik, S. (2019). A comparative study on secondary mathematics curricula of India and the United States. Presented at 26th West Bengal State Science & Technology Congress held on 28th February-01 March, 2019, Department of Science and Technology and Biotechnology, Government of West Bengal.

33. Mondal, K., Pramanik, S., & Giri, B. C. (2017). Neutrosophic number contra-harmonic aggregation operators for multi-criteria group decision making. Presented at 25th West Bengal State Science and Technology Congress, 2017, on 4th & 5th March, 2018 at the Science City,

Kolkata, organized by the Department of Higher Education, Science and Technology and Biotechnology, Government of West Bengal. (Presented by K. Mondal)

32. Biswas, P., Pramanik, S., & Giri, B. C. (2017). Students' progress reports evaluation based on fuzzy hybrid vector similarity measure. Presented at 25th West Bengal State Science and Technology Congress, 2017, on 4th & 5th March, 2018 at the Science City, Kolkata, organized by the Department of Higher Education, Science and Technology and Biotechnology, Government of West Bengal. (Presented by P. Biswas).

31. Mondal, K., Pramanik, S., & Giri, B. C. (2017). Interval-valued neutrosophic tangent similarity measure and its application in money investment decision making problems. Presented at 24th West Bengal State Science and Technology Congress, 2017, on 28th February/1st March, 2017 at Science City, Kolkata, organized by the Department of Higher Education, Science and Technology and Biotechnology, Government of West Bengal. (Presented by K. Mondal).

30. Pramanik, S., Dalapati, S., & Roy, T. K. (2017). Logistics center location selection approach based on neutrosophic multi-criteria decision making. Presented at 24th West Bengal State Science and Technology Congress, 2017, on 28th February/1st March, 2017 at Science City, Kolkata, organized by the Department of Higher Education, Science and Technology and Biotechnology, Government of West Bengal. (Presented by S. Dalapati).

29. Banerjee, B., &Pramanik, S. (2015). The analysis of lesson demonstration of mathematics with respect to the objectives of knowledge, comprehension, application and skill. Presented at 22nd West Bengal State Science & Technology Congress held on 28th February-01 March, 2015, University of North Bengal. (Presented by Barsha Banerjee in Social Science).

28. Biswas, A., & Pramanik, S. (2015). A comparative study between the lesson plans among the selected Universities of West Bengal. Presented at 22 nd West Bengal State Science & Technology Congress held on 28th February-01 March, 2015, University of North Bengal. (Presented by Amlan Biswas in Social Science).

27. Ghosh, A., & Pramanik, S. (2015). The problems of mathematics teacher education-a study. Presented at 22 nd West Bengal State Science & Technology Congress held on 28th February-01 March, 2015, University of North Bengal. (Presented by Ashutosh Ghosh in Social Science).

26. Mahato, A., & Pramanik, S.(2015). Assessing the information need and information seeking behavior of B. Ed. students of Nandalal Ghosh B.T. College: A case study. Presented at 22 nd West Bengal State Science & Technology Congress held on 28th February-01 March, 2015, University of North Bengal. (Presented by Arun Mahato in Mathematics, Statistics, Computational Science and IT).

25. Mondal, K., & Pramanik, K. (2015). Neutrosophic decision making model for clay-brick selection in construction field based on grey relational analysis. Presented at 22nd West Bengal State Science & Technology Congress held on 28th February-01 March, 2015, University of North Bengal. (Presented by Kalyan Mondal in Mathematics, Statistics, Computational Science and IT).

24. Saha, M., & Pramanik, S. (2014). The role of television in propagating superstitions among adolescent girls- a study. Presented at 21st West Bengal State Science & Technology Congress held on 20-21 February, 2014, University of Burdwan, Burdwan. (Poster Presented by Manjira Saha in Social Saha.

23. Pramanik, S., &Chakrabarti, S.N. (2014). Application of neutrosophic relational map in problems of construction workers. Presented at 21st West Bengal State Science & Technology Congress held on 20-21 February, 2014, University of Burdwan, Burdwan. (Presented by S. Pramnaik in Mathematics).

22. Dey, P. P., Biswas, P., & Pramanik, S., & Bibhas C. Giri. (2014). TOPSIS for solving bi-level MODM problems with fuzzy parameters. Presented at 21st West Bengal State Science & Technology Congress held on 20-21 February, 2014, University of Burdwan, Burdwan. (Presented by S. Pramnaik in Mathematics).

21. Mondal, K., & Pramanik, S. (2014). Application fuzzy goal programming approach for allocation problem of Brick-Field. Presented at 21st West Bengal State Science & Technology Congress held on 20-21 February, 2014, University of Burdwan, Burdwan. (Presented by S. Pramnaik in Mathematics).

20. Khatun, M., & Pramanik, S. (2014). A study on the empowerment of muslim women through the self help group. Presented at 21st West Bengal State Science & Technology Congress held on 20-21 February, 2014, University of Burdwan, Burdwan. (Presented by Mallika Khatun in Social Science).

19. Biswas, P, Pramanik, S., & Giri, B. C. (2013). A study on information technology professionals' health problem based on intuitionistic fuzzy cosine similarity measure. Presented at 20th West Bengal State Science & Technology Congress held on 28th February-2nd March, 2013, Bengal Engineering and Science University, Shibpur. (Presented by Pranab Biswas).

18. Dey, P.P., Pramanik, S., & Giri, B.C. (2013). Multi-criteria group decision making in intuitionistic fuzzy environment based on grey relational analysis for weaver selection in Khadi institution. Presented at 20th West Bengal State Science & Technology Congress held on 28th February-2nd March, 2013, Bengal Engineering and Science University, Shibpur. (Partha Pratim Dey).

17. Pramanik, S. (2013). Multi-objective quadratic programming problems with fuzzy parameters. Presented at 20th West Bengal State Science & Technology Congress held on 28th February-2nd March, 2013, Bengal Engineering and Science University, Shibpur. (Presented by S. Pramanik).

16. Pramanik, S. (2013). The use of ICT in simulated teaching. Presented at 20th West Bengal State Science & Technology Congress held on 28th February-2nd March, 2013, Bengal Engineering and Science University, Shibpur. (Presented by S. Pramanik).

15. Manjira. Saha, S. Pramanik. 2013. "Deshbhag shimante basabashkari kishore-kishoreeder bipathe chalita korchhe," Presented at 20th West Bengal State Science & Technology Congress held on

28th February-2nd March, 2013, Bengal Engineering and Science University, Shibpur. (Presented by Manjira Saha, in Social Sciences).

14. Pramanik, S. (2012). Recent trends in mathematics teaching in secondary level. 11th Conference and Silver Jubilee Celebration held on 26-27 th May, 2012, Murshidabad Mathematical Society, Berhampore, Murshidabad, West Bengal, India.

13. Pramanik, S. (2012). Multilevel quadratic programming problem based on fuzzy goal programming. Presented at 19th West Bengal State Science & Technology Congress held on 1st March-2nd March, 2012, Saha Institute of Nuclear Physics, Kolkata.

12. Pramanik, S., & Dey, P.P. (2011). Fuzzy goal programming for multilevel linear fractional programming problems, Presented at 18th West Bengal State Science & Technology Congress held on 28th February -1st March, 2011, Ramakrishna Mission Residential College, Narendrapur, Kolkata 700 103 (Presented by Surapati Pramanik and Partha Pratim Dey in Mathematics).

11. Pramanik, S. (2011). Application of fuzzy goal programming approach to multilevel programming problems with fuzzy parameters. Presented at 18th West Bengal State Science & Technology Congress held on 28th February -1st March, 2011, Ramakrishna Mission Residential College, Narendrapur, Kolkata 700 103. (Presented by Surapati Pramanik in Mathematics).

10. Nandi, m., & Pramanik, S. (2011). Unbalanced transportation problem with multiple intuitionistic fuzzy goals. Presented at 18th West Bengal State Science & Technology Congress held on 28th February -1st March, 2011, Ram Krishna Mission Narendrapur (Presented by Monalisa Nandi in Mathematics).

9. Das, P., & Pramanik, S. (2011). Goal programming for multiobjective bilevel programming problem. Presented at 18th West Bengal State Science & Technology Congress held on 28th February -1st March, 2011,Ramakrishna Mission Residential College, Narendrapur, Kolkata 700 103. (Presented by Paromita Das).

8. Saha, M., & Pramanik, S. (2010). A study on life style education in secondary school in West Bengal. Presented at 17th West Bengal State Science & Technology Congress held on 4-5 March, 2010, West Bengal University of Animal and Fishery Sciences, Kolkata. (Presented by Manjira Saha & S. Pramanik in Social Science).

7. Chakrabarti, S. N., Pramanik, S., &Roy, T. K. (2009). Fuzzy goal programming approach to linear bilevel programming problems with fuzzy parameters. Presented at 16th West Bengal State Science & Technology Congress held on 28th February-1st March, 2009, University of Burdwan, Burdwan. (Presented by Sourendranath Chakrabarti in Mathematics).

6. Pramanik, S. (2009). Indo-Pak relations after 11/26 incidents- the application of game theory to Indo-Pak conflict. Presented at 16th West Bengal State Science & Technology Congress held on 28th February-1st March, 2009, University of Burdwan, Burdwan. (Presented by S. Pramnaik in Mathematics).

5. Pramanik, S., Dey, P. P., & Roy, T. K. (2009). Fuzzy goal programming for bilevel linear fractional programming problems, Presented at 16th West Bengal State Science & Technology Congress held on 28th February-1st March, 2009, University of Burdwan, Burdwan. (Presented by Partha Pratim Dey in Mathematics).

4. Pramanik, S. and Misra, S. (2009). The study on Indo-Pak conflict based on neutrosophy, presented at 16th West Bengal State Science & Technology Congress held on 28th February-1st March, 2009, University of Burdwan, Burdwan. (Presented by S. Pramanik in Social Science).

3. Pramanik, s., & Roy, T. K. (2008). The Jammu-Kashmir conflict between India and Pakistan-a case for application of neutrosophic game theory. Presented at 15th West Bengal State Science & Technology Congress held on 28th February-29th February, 2008, Bengal Engineering and Science University, Shibpur. (Presented by S. Pramnaik in Mathematics).

2. Pramanik, S. &, Chakrabarti, S. N., & Roy, T. K. (2008). Goal programming approach to bilevel programming in an intuitionistic fuzzy environment. Presented at 15th West Bengal State Science & Technology Congress held on 28th February-29th February, 2008, Bengal Engineering and Science University, Shibpur. (Presented by Sourendranath Chakrabarti in Mathematics).

1. Pramanik, S., & Roy, T. K. (2007). The Jammu-Kashmir conflict between India and Pakistan a case for application of game theory. Presented at 14th West Bengal State Science & Technology Congress held on 28th February-1st March, 2007, Jadavpur University, Jadavpur. (Presented by S. Pramanik in Mathematics).

Paper presented at Regional Science and Technology Congress, West Bengal, India: 13

[1]. Pramanik, S. (2023). CRITIC-EDAS strategy for MCGDM under single valued pentapartitioned neutrosophic set environment. Presented at 5th Regional Science and Technology Congress (Region 3) 2023 held at the West Bengal State University organized by the Department of Science & Technology and Bio-Technology, Government of West Bengal & the West Bengal State University organized held on January 19-20, 2023. (presented by S. Pramanik).

[2]. Pramanik, S. (2023). Neutrosophic pattern view theory of mathematics. Presented at 5th Regional Science and Technology Congress (Region 3) 2023 held at the West Bengal State University organized by the Department of Science & Technology and Bio-Technology, Government of West Bengal & the West Bengal State University held on January 19-20, 2023. (presented by S. Pramanik).

[3]. Mondal, K, & Pramanik, S. (2023). MCGDM strategy for ranking in E-voting using neutrosophic numbers. Presented at 5th Regional Science and Technology Congress (Region 3) 2023 held at the West Bengal State University organized by the Department of Science & Technology and Bio-Technology, Government of West Bengal & the West Bengal State University held on January 19-20, 2023. (presented by Kalyan Mondal).

[4]. Chatterjee, T., & Pramanik, S. (2023). MCGDM strategy based on triangular fuzzy neutrosophic Einstein aggregation operator under triangular fuzzy neutrosophic number environment. Presented at 5th Regional Science and Technology Congress (Region 3) 2023 held at the West Bengal State University organized by the Department of Science & Technology and Bio-

Technology, Government of West Bengal & the West Bengal State University held on January 19-20, 2023. (presented by Tanmoy Chatterjee).

[5]. Sahoo, S., & Pramanik, S. (2022-2023). Ranking search results in library information systems considering popularity ranking factors: a framework based on single valued neutrosophic sets. Presented at 5th Regional Science and Technology Congress (Region 5) 2023 held at Raja N.L. Khan Women's College organized by the Department of Science & Technology and Bio-Technology, Government of West Bengal & Raja N.L. Khan Women's College held on January 13-14, 2023 (presented by Satyabrata Sahoo).

[6]. Karak, A. K., & Pramanik, S. (2023). MACBETH strategy under single valued neutrosophic set environment. Presented at 5th Regional Science and Technology Congress (Region 5) 2023 held at Gourbanga University organized by the Department of Science & Technology and Bio-Technology, Government of West Bengal & Gourbanga University January 11-12, 2023 (Abstract Published).

[7]. Pramanik, S. (2019). Multil level decentralized programming problem: a neutrosophic goal programming approach. Presented at 4th Regional Science and Technology Congress (Southern region) 2019 held at Moulana Abul Kalam Azad University of Technology (MAKAUT) organized by Department of Science & Technology and Bio-Technology, Government of West Bengal & Moulana Abul Kalam Azad University of Technology (MAKAUT) held on December 23-24, 2019.

[8]. Mondal, K., Pramanik, S., & Giri, B. C. (2019). Neutrosophic number root mean square aggregation operators for multiple attribute decision making. Presented at 4th Regional Science and Technology Congress (Southern region) 2019 held at Moulana Abul Kalam Azad University of Technology (MAKAUT) organized by Department of Science & Technology and Bio-Technology, Government of West Bengal & Moulana Abul Kalam Azad University of Technology (MAKAUT) held on December 23-24, 2019. (Presented by Kalyan Mondal)

[9]. Pramanik, S., & Mallick, R. (2018). TODIM strategy for multi-attribute decision making under trapezoidal neutrosophic number environment. Presented at 3rd Regional Science and Technology Congress, 2018 Southern Region, 18th and 19th December 2018 organized by Bidhannagar College Government of West Bengal jointly with Department of Science and Technology and Biotechnology, Government of West Bengal.(Presented by Rama Mallick)

[10]. Roy, R., Pramanik, S., & Roy, T. K. (2018). A DEMATEL strategy for group decision making in rough neutrosophic set environment. Presented at 3rd Regional Science and Technology Congress, 2018 Southern Region, 18th and 19th December 2018 organized by Bidhannagar College Government of West Bengal jointly with Department of Science and Technology and Biotechnology, Government of West Bengal (Presented by Rumi Roy).

[11]. Pramanik, S., & Guha, D. (2018). A comparative study on secondary mathematics curricula of India and the United States. Presented at 3rd Regional Science and Technology Congress, 2018 Southern Region, 18th and 19th December 2018 organized by Bidhannagar College Government of West Bengal jointly with Department of Science and Technology and Biotechnology, Government of West Bengal. . (Presented by S. Pramanik).

[12]. Pramanik, S., & Das, K. (2018). Two year B. Ed. internship programme for student-teacher in West Bengal: An overview. Presented at 3rd Regional Science and Technology Congress, 2018 Southern Region, 18th and 19th December 2018 organized by Bidhannagar College Government of West Bengal jointly with Department of Science and Technology and Biotechnology, Government of West Bengal (presented Kaushik Das).

[13]. Pramanik, S. (2017). Neutrosophic optimization: A general view. Presented at the 2nd Regional Science and Technology Congress (Southern Region), 2017 (2ND RSTC(SR), 2017) jointly organized by the University of Kalyani (K.U.) and Department of Higher Education, Science and Technology and Biotechnology (DHESTBT), Government of West Bengal during December 14-15, 2017 at University of Kalyani, Nadia-741235. (Presented by S. Pramanik)

[14]. Pramanik, S., Dalapati, S., Alam, S., & Roy, T.K. (2017). Cross entropy measure for multi-criteria decision making under neutrosophic refined set environment. Presented at the 2nd Regional Science and Technology Congress (Southern Region), 2017 (2ND RSTC(SR), 2017) jointly organized by the University of Kalyani (K.U.) and Department of Higher Education, Science and Technology and Biotechnology (DHESTBT), Government of West Bengal during December 14-15, 2017 at University of Kalyani, Nadia-741235. (Presented by Shyamal Dalapai)

[15]. Banerjee, T., & Pramanik, S. (2017). Character analysis of Bhishma based on neutrosophic logic. Presented at the 2nd Regional Science and Technology Congress (Southern Region), 2017 (2ND RSTC(SR), 2017) jointly organized by the University of Kalyani (K.U.) and Department of Higher Education, Science and Technology and Biotechnology (DHESTBT), Government of West Bengal during December 14-15, 2017 at University of Kalyani, Nadia-741235. (Presented by Tania Banerjee).

[16]. Dasgupta, A., & Pramanik, S. (2017). Contributions of Indian researchers to multi attribute decision making in neutrosophic environment: A survey. Presented at the 2nd Regional Science and Technology Congress (Southern Region), 2017 (2ND RSTC(SR), 2017) jointly organized by the University of Kalyani (K.U.) and Department of Higher Education, Science and Technology and Biotechnology (DHESTBT), Government of West Bengal during December 14-15, 2017 at University of Kalyani, Nadia-741235. (Presented by Anindita Dasgupta).

[17]. Mondal, K., Pramanik, S., & Giri, B. C. (2017). Neutrosophic number contra-harmonic aggregation operators for multi-criteria group decision making. Presented at the 2nd Regional Science and Technology Congress (Southern Region), 2017 (2nd RSTC(SR), 2017) jointly organized by the University of Kalyani (K.U.) and Department of Higher Education, Science and Technology and Biotechnology (DHESTBT), Government of West Bengal during December 14-15, 2017 at University of Kalyani, Nadia-741235. (Presented by K. Mondal)

[18]. Biswas, P., Pramanik, S., & Giri, B. C. (2017). Students' progress reports evaluation based on fuzzy hybrid vector similarity measure. Presented at the 2nd Regional Science and Technology Congress (Southern Region), 2017 (2ND RSTC(SR), 2017) jointly organized by the University of Kalyani (K.U.) and Department of Higher Education, Science and Technology and Biotechnology

(DHESTBT), Government of West Bengal during December 14-15, 2017 at University of Kalyani, Nadia-741235. (Presented by P. Biswas).

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[20]. Pramanik, S., Dalapati, S., & Roy, T. K. (2016). Logistics Center location selection approach based on neutrosophic multi-criteria decision making. . Presented at 1st Regional Science and Technology Congress, 2016, Presidency Division, jointly organized by the Department of Science and Technology, Government of West Bengal in collaboration with National Institute of Technical Teachers' Training & Research (NITTTR), Kolkata). (Presented by Shyamal Dalapati).

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Act as a reviewer for the following journals:

1. Advances and Applications in Mathematical Sciences
2. Advances in Fuzzy Systems
3. Advances in Mathematical Physics
4. Advances in Operations Research
5. Annals of Fuzzy Mathematics and Informatics
6. Annals of Operations Research
7. Applied Artificial Intelligence
8. Applied Computational Intelligence and Soft Computing
9. Applied Mathematics and Information Sciences

10. Applied Sciences
11. Applied Soft Computing
12. Arabian Journal of Geosciences
13. Artificial Intelligence Review
14. Asian Journal of Probability and Statistics
15. Asian Research Journal of Mathematics
16. Baghdad Science Journal
17. Bulletin of the Calcutta Mathematical Society
18. Business and Management Research Journal
19. Canadian Journal of Statistics
20. Cognitive Systems Research
21. Complexity
22. Computational and Applied Mathematics
23. Computational Intelligence and Neuroscience
24. Computers in Industry
25. Current Chinese Computer Science
26. Current Chinese Science
27. Discover Applied Sciences
28. Discrete Dynamics in Nature and Society
29. Electronics
30. Electronic Journal of General Medicine
31. Engineering Applications of Artificial Intelligence
32. Environmental Impact Assessment Review
33. Expert Systems with Applications
34. Filomat
35. Fire
36. Frontiers in Applied Mathematics and Statistics
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43. Frontiers in Robotics and AI
44. Frontiers in Sustainable Food System
45. Fuzzy Information and Engineering
46. Heliyon
47. Human Resources Management and Services
48. IEEE Access
49. IEEE/CAA Journal of Automatica Sinica
50. Information
51. intelligent Automation and Soft Computing (Autosoft Journal)
52. International Journal of Applied and Computational Mathematics

53. International Journal of Computational Intelligence Systems
54. International Journal of Computers and Applications
55. International Journal of Distributed Sensor Networks
56. International Journal of Fuzzy Computation and Modelling
57. International Journal of Information Technology & Decision Making
58. International Journal of Neutrosophic Science
59. International Journal of Systems Science
60. International Journal of Tropical Disease and Health
61. International Transactions in Operational Research
62. Iranian Journal of Fuzzy Systems
63. Journal of Ambient Intelligence and Humanized Computing
64. Journal of Frontline Research in Arts and Science
65. Journal of Fuzzy Extension and Applications]
66. Journal of Industrial and Management Optimization
67. Journal of Intelligent Systems
68. Journal of King Saud University – Science
69. Journal of Risk and Financial Management
70. KES Journal
71. Mathematics
72. Mathematics Open
73. Mathematical Problems in Engineering
74. Neural Computing and Applications
75. Neutrosophic Sets and Systems
76. Omega
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78. Passer Journal of Basic and Applied Sciences
79. Pertanika Journal of Science and Technology
80. Plos One
81. Processes
82. RAIRO - Operations Research
83. Scientific Reports
84. South East Asian Journal of Mathematics and Mathematical Sciences
85. Sustainability
86. Symmetry
87. Twms Journal of Applied and Engineering Mathematics
88. Yugoslav Journal of Operations Research

Surapati PramaniK

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