

CURRICULUM VITAE

Name: DR. SRIPATI JHA

Father's Name: SACHI NATH JHA

Present Position: Associate Professor in Mathematics

E-Mail: sjha.math@nitjsr.ac.in

DATE OF BIRTH: 17.02.1958

Present Address: Qr.No. C-2 , N.I.T., Campus, N.I.T., Jamshedpur

Contact No. 9934532473

Basic Salary: 187700/-

EDUCATIONAL QUALIFICATION:

S. No.	Degree	Board/University	Year	Percentage
1.	Ph.D	Ranchi University	1986	
2.	M.Sc	Ranchi University	1983 (Session 1979-1981)	69.5%
3.	B.Sc(Hons.)	Ranchi University	1979	61.5%

Ph. D Thesis Topic: Some Contribution to the theory of Spline Function.

RESEARCH INTERESTS: Approximation Theory, Numerical Methods, Fuzzy Mathematics

RESEARCH PUBLICATIONS (With Full Details):1. "A fuzzy mathematics approach in measuring air pollution from motor vehicle" Journal of computational Ecology and Software-2012(International Academy of Ecology and Environmental Sciences) By Soumak Biswas, Sripati Jha, Ramayan Singh.

2. "A Fuzzy Preference Relation Based Method for Face Recognition by Gober Filter"-International journal of Information Technology and Computer Science, 2012(MES)-By Soumak Biswas, Sripati Jha, Ramayan Singh.

3. "Interpolation by generalized Tchebychffian Spline Functions"-Journal of Bihar Mathematical Society-1986 , vol 10. By Sripati Jha and B.N.Mishra

INTERNATIONAL REFEREED SCI/SCOPUS JOURNAL:

- [1] Kumar, R.; **Jha, S.**; Singh, R. Shortest path problem in network with type-2 triangular fuzzy arc length. *Journal of Applied Research on Industrial Engineering* **2017**, Vol. 4, PP. 1-7.
- [2] Kumar, R.; Edalatpanah, S. A.; **Jha, S.**; Broumi, S.; Dey, A. "Neutrosophic shortest path problem." *Neutrosophic Sets and Systems* **2018**, Vol. 23, PP 5-15 (Scopus, Web of Science)
- [3] Kumar, R.; Edalatpanah, S. A.; **Jha, S.**; Broumi, S.; Singh, R.; Dey, A "A multi objective programming approach to solve integer valued neutrosophic shortest path problems". *Neutrosophic Sets and Systems* **2019**, Vol.24, PP.139-151.(Scopus, Web of Science)
- [4] Kumar, R.; Edalatpanah, S. A.; **Jha, S.**; Singh, R. A novel approach to solve gaussian valued neutrosophic shortest path problems. *International Journal of Engineering and Advanced Technology* **2019**, Vol. 8, PP.347-353.(Scopus)
- [5] Kumar, R.; Edalatpanah, S. A.; **Jha, S.**; Singh, R. A Pythagorean fuzzy approach to the transportation problem. *Complex & Intelligent Systems* **2019**, Vol.5, PP.255-263 **Springer, (ESCI, SCIE)**
- [6] Kumar, R.; Edalatpanah, S. A.; **Jha, S.**; Gayen, S.; Singh, R. "Shortest path problems using fuzzy weighted arc length". *International Journal of Innovative Technology and Exploring Engineering* **2019**, Vol.8, PP.724-731.(Scopus)
- [7] Kumar, R.; **Jha, S.**; Singh, R. "A different approach for solving the shortest path problem under mixed fuzzy environment". *International Journal of Fuzzy System Applications* **2020**, Vol.9, PP. 132-161. (Scopus)

- [8] Sudipta Gayen, **Sripati Jha**, Manoranjan Singh. "On direct product of a fuzzy subgroup with an anti-fuzzy subgroup", *International Journal of Recent Technology and Engineering*, vol. 8, pp. 1105-1111, 2019 (Scopus).
- [9] Sudipta Gayen, **Sripati Jha**, Manoranjan Singh, Ranjan Kumar. "On a generalized notion of anti-fuzzy subgroup and some characterizations", *International Journal of Engineering and Advanced Technology*, vol. 8, pp. 385-390, 2019 (Scopus).
- [10] Sudipta Gayen, Florentin Smarandache, **Sripati Jha**, Manoranjan Kumar Singh, Said Broumi, Ranjan Kumar. "Introduction to plithogenic hypersoft subgroup", *Neutrosophic Sets and Systems*, vol. 33, pp. 208-233, 2020 (Scopus, Web of Science).
- [11] Sudipta Gayen, Florentin Smarandache, **Sripati Jha**, Ranjan Kumar. "Introduction to interval-valued neutrosophic subring", *Neutrosophic Sets and Systems*, vol. 36, pp. 220-245, 2020 (Scopus, Web of Science).
- [12] Sudipta Gayen, Florentin Smarandache, **Sripati Jha**, Manoranjan Kumar Singh, Said Broumi, Ranjan Kumar. "Soft subring theory under interval-valued neutrosophic environment", *Neutrosophic Sets and Systems*, vol. 36, pp. 193-219, 2020 (Scopus, Web of Science).

- [13] Sudipta Gayen, Florentin Smarandache, **Sripati Jha**, Manoranjan Kumar Singh, Said Broumi, Ranjan Kumar. “**Chapter 8**: Introduction to plithogenic subgroup”, Neutrosophic Graph Theory and Algorithm, IGI-Global, pp. 209-233, 2019.
- [14] Sudipta Gayen, Florentin Smarandache, **Sripati Jha**, Ranjan Kumar. “**Chapter 10**: Interval-valued neutrosophic subgroup based on interval-valued triple t-norm”, Neutrosophic Sets in Decision Analysis and Operations Research, IGI-Global, pp. 215-243, 2019.

INTERNATIONAL CONFERENCES: 1. International Conference on Recent advances in Mathematics & Scientific Computing in the Dept. of Mathematics M.U. Bodh Gaya , Sept. -2018.-“ On a New Notion of Fuzzy Subgroup” By Sudipta Gayen and Sripati Jha

Ph. D. Supervised (With Full Details):

1. Ph.D. Degree awarded to Rekha Tiwary from B.I.T., Mesra in 2015 on “Mathematical Modeling of Surface Waves in Layered Media” under Dr. A.P.Ghorai and **Dr. Sripati Jha**.

2. Ph. D. Degree awarded to Ranjan Kumar in 2020 on “Investigation of Shortest Path under Uncertainty with Inconsistent Information” under **Dr. Sripati Jha** and Dr. Ramayan Singh

On going Ph. D. Guidance: 01(Thesis submitted)

ORCID ID: 0000-0001-6172-8837

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TEACHING EXPERIENCE: 31 years(Regular)

Position Held	Institution	From	To	Nature of Job
Lecturer	N.I.T.,Jamshedpur	01/04/1989	28/05/1994	Teaching-Research
Lecturer(Sr. Scale)	N.I.T.,Jamshedpur	29/05/1994	31/12/1999	Teaching-Research
Asst. Prof./Associate Professor	N.I.T.,Jamshedpur	01/01/2000	Till date	Teaching-Research

REVIEWER OF INTERNATIONAL JOURNALS AND BOOKS: Reviewer of Engineering/Higher Engineering Mathematics books of McGraw-Hill Education(India)Pvt. Ltd.(2007 & 2009)

Any Other Information(I) Additional Responsibility:

1. Dean (I & AR): from 14/05/18 to 13.05.2020(F.N.)
2. Dean(SW): from 13/05/2015 to 13/05/2018
3. Head of the Dept. of Mathematics: from 31/12/2005 to 18/01/2009
and from 09/01/2013 to 12/05/2015
4. Associate Dean(SW): from 13/05/2014 to 12/05/2015
5. Chief Warden: from 24/07/2009 to 03/08/2014
6. Warden(Hostel-G): from 17/08/1999 to 01/09/2003
7. Central Public Information Officer: From 02.07.2020(A.N.) to till date

(II) Member BOG: Senate representative on the BOG of NIT for two years from 19/08/2017 to 18/08/2019.