

Dr. Paltu Sarkar

M.Sc. (IIT Kharagpur), Ph.D. (Jadavpur University)

Assistant Professor

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Contact Addresses

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Subject specialization(s) : Algebra

Areas of Research Interests : Algebra and Fuzzy Algebra.

Achievement & Awards : NET (CSIR) 2009.

Professional experiences :

[1] Assistant Professor, Department of Mathematics, Ananda Chandra College, Jalpaiguri, West Bengal-735101, India, 05.02.2015 to 05.02.2018.

[2] Assistant Professor, Department of Mathematics, University of North Bengal, Raja Rammohunpur, West Bengal-734013, India, 06.02.2018 to till date.

Professional experiences

Name of the College/Institution	Position	Course	Teaching period
Ananda Chandra College	Assistant Professor	UG	05.02.2015 to 05.02.2018
University of North Bengal	Assistant Professor	PG	06.02.2018 to till date

Selected Publications

Published Research Articles

[1] **P. Sarkar** and S. Kar, A study on (i-v) prime fuzzy hyperideal of semihypergroups, *Afrika Matematika*, Vol. 29, No. 1 (2018), pp. 81 – 96.

[2] **P. Sarkar** and S. Kar, Interval-valued primary fuzzy ideal of non-commutative semigroup, *Int. J. Appl. Comput. Math*, Vol. 3 (2017) pp. 3945 – 3960.

[3] S. Kar, **P. Sarkar** and V. Leoreanu-Fotea, On some interval-valued fuzzy hyperidealsof semihypergroups, *Afrika Matematika*, Vol. 26, No. 5 (2015), pp. 1171 - 1186.

[4] S. Kar, **P. Sarkar** and K. Hila, Interval-valued semiprime fuzzy ideals of semigroups, *Adv. Fuzzy Syst.*, Vol. 2014 (2014), pp. 1 - 10.

[5] S. Kar, K. P. Shum and **P. Sarkar**, Interval-valued prime fuzzy ideals of semigroups, *Lobachevskii J. Math.*, Vol. 34, No. 1(2013), pp. 11 - 19.

[6] S. Kar and **P. Sarkar**, Interval-valued fuzzy completely regular subsemigroups of semigroups, *Ann. Fuzzy Math. Inform.* Vol. 5, No. 3 (2013), pp. 583 - 595.

[7] S. Kar and **P. Sarkar**, Fuzzy ideals of ternary semigroups, *Fuzzy Information and Engineering*, Vol. 2 (2012), pp. 181 - 193.

[8] S. Kar and **P. Sarkar**, Fuzzy quasi-ideals and fuzzy bi-ideals of ternary semigroups, *Ann. Fuzzy Math Inform.*, Vol. 4, No. 2(2012), pp. 407 - 423.

Complete /Ongoing Project

Project Title	Worked As	Funding Agency	Amount	Duration	Period
A Study on Interval-valued Fuzzy Graphs in Semigroups	Principle Investigator	UGC (MRP)	2,80,000	Two Years	2016-2018
A Study on (i-v) Fuzzy k-ideals of Semigroups	Principle Investigator	NBU	1,50,000	One Year	2019-2020

Attended Schools & Workshops

- [1] Instructional School for Teachers on Rings and Modules**, North-Eastern Hill University (NEHU), Shillong, India, June 24-July 06, 2019.
 - [2] Instructional School for Teachers on Field Theory**, University of Kashmir, Srinagar, India, May 02-14, 2016.
 - [3] Teachers Enrichment Workshop on Rings and Fields, Complex Analysis, Geometry of Curves**, Presidency University, Kolkata, India, January 04-09, 2016.
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