



Dr. Paltu Sarkar

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

Assistant Professor
Department of Mathematics
University of North Bengal

Contact Addresses

Contact No. : 7001556297

Mailing Address : Department of Mathematics, University of North Bengal, P.O.- NBU,
Dist.- Darjeeling, West Bengal-734013, India.

E-mail : pal2_math_796@nbu.ac.in

Subject specialization : Algebra

Areas of Research Interest : Algebra and Fuzzy Algebra.

Achievement & Awards : NET(CSIR) 2009.

Academic Qualifications: : Ph.D. (Mathematics)

Ph.D. Thesis Title	Name of the Supervisor	University	Year of Award
Some Problems Associated With Interval-valued Fuzzy Ideals of Semigroups	Prof. Sukhendu Kar	Jadavpur University	2017

Work experiences

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

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

[3] Resource Person, Department of Mathematics, **Diamond Harbour Women's University**, Diamond Harbour Road, Sarisha, South 24 Pgs, West Bengal-743368, India (from 24.02.2021 to 31.05.2021).

Research experience

Junior Research Fellow : 19-07-2010 to 18-07-2012 as a CSIR-NET fellow (Jadavpur University)

Senior Research Fellow : 19-07-2012 to 04-02-2015 as a CSIR-NET fellow (Jadavpur University)

Members

[1] **Member**, Cultural Club Committee, University of North Bengal.

Research Scholar

Sl. No.	Name of Scholar	Fellowship	Status
1	Rinki Paul	DST-INSPIRE	Ongoing

Completed Research Projects

Sl. No.	Project Title	Worked As	Funding Agency	Amount	Duration	Period	Status
1	A Study on Interval-valued Fuzzy Graphs in Semigroups	Principal Investigator	UGC (MRP)	2,80,000	Two Years	2016 to 2018	Completed
2	A Study on (i-v) Fuzzy k-ideals of Semigroups	Principal Investigator	NBU Project	1,50,000	One Years	2019 to 2020	Completed

List of Publication

Published Research Articles

[1] **P. Sarkar** and S. Kar, *A study on (i-v) prime fuzzy hyperideal of semihypergroups*, Afrika Matematika, 29(1) (2018), pp. 81 – 96.

[2] **P. Sarkar** and S. Kar, *(i-v) primary fuzzy ideal in semigroups*, Int. J. Appl. Comput. Math, 3 (2017) pp. 3945 – 3960.

[3] S. Kar, **P. Sarkar** and V. Leoreanu-Fotea, *On some interval-valued fuzzy hyperideals of semihypergroups*, Afrika Matematika, 26(5) (2015), pp. 1171 - 1186.

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

[5] S. Kar, K. P. Shum and **P. Sarkar**, *Interval-valued prime fuzzy ideals of semigroups*, Lobachevskii J. Math., 34(1) (2013), pp. 11 - 19.

[6] S. Kar and **P. Sarkar**, *Interval-valued fuzzy completely regular subsemigroups of semigroups*, Ann. Fuzzy Math. Inform. 5(3) (2013), pp. 583 - 595.

[7] S. Kar and **P. Sarkar**, *Fuzzy ideals of ternary semigroups*, Fuzzy Information and Engineering, 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., 4(2) (2012), pp. 407 - 423.

Attended Webinars, Schools & Workshops

Name of the Webinar	Venue	Date	Mode
Webinar on Algebraic structures in the crossroads of Mathematics	Department of Mathematics, Ramakrishna Mission Residential College, Narendrapur AND Department of Mathematics, Netaji Nagar Day College, Kolkata	28 August 2020	Online
Online Workshop on Algebraic Number Theory	Department of Mathematics, Assam University, Silchar	31 Aug-5 Sep 2020	Online
One-Day National Level Webinar on History of Mathematics	Calcutta Mathematical Society, Kolkata	6 September 2020	Online
Online Faculty Development Programme on Applied Mathematical Skills for Science and Engineering	Department of Applied Science, School of Natural and Applied Sciences, Maulana Abul Kalam Azad University of Technology, West Bengal, India AND Islamic University Of Science And Technology, Jammu and Kashmir, India	14-18 September 2020	Online
Online Workshop on Numerical Linear Algebra	Department of Mathematics, Assam University, Silchar	19-25 September 2020	Online
Instructional School for Teachers on Rings and Modules	Department of Mathematics, North-Eastern Hill University (NEHU), Shillong, India	24 Jun-6 Jul 2019	Offline
Instructional School for Teachers on Field Theory	Department of Mathematics, University of Kashmir, Srinagar, India	02-14 May 2016	Offline
Teachers Enrichment Workshop on Rings and Fields, Complex Analysis, Geometry of Curves	Department of Mathematics, Presidency University, Kolkata, India	04-09 January 2016	Offline
National Workshop on Optimization and Fuzzy Mathematics (NWOFM 2014)	Department of Mathematics, Vidyasagar University, Midnapore, West Bengal	09-13 September 2014	Offline
Ninth Annual Foundation School (AFS) Part-I	Department of Mathematics, Chennai Mathematical Institute, Chennai, India	03-29 December 2012	Offline
National Workshop on Computer Algebra Systems (CAS)	Department of Mathematics, Bhaskaracharya Pratishthana, Pune, India	27-31 January 2011	Offline
