

BANKURA UNIVERSITY



FACULTY ACADEMIC PROFILE/ CURRICULUM VITAE

1. **Name:** Dr. PAVEL PAL
2. **Designation:** ASSISTANT PROFESSOR
3. **Date of Birth:** 04/09/1986
4. **Specializations:** Algebra
5. **Contact Information:**

Contact Address: Department of Mathematics, Bankura University, P.O.- Purandarpur, Dist.-Bankura, PIN- 722155, West Bengal.

Email: ju.pavel86@gmail.com

Phone Number: 9163409073

6. **Academic qualifications:**

College/ University from which the degree was obtained	Abbreviation of the degree
Jadavpur University	B.Sc. (H) in Mathematics, 2004-2007, 80.08%
Jadavpur University	M.Sc. in Mathematics, 2007-2009, 85.6%
Jadavpur University	Ph.D. (Sc.), February 2015, Title: A study of some aspects of semigroups and partially ordered Γ -semigroups in terms of fuzzy sets.
CSIR-UGC	NET-JRF (December 2009)
GATE	2010, AIR- 36

7. **Academic Experience:**

- Full time Lecturer of Mathematics in School of Applied Sciences, Haldia Institute of Technology, 31st August, 2009-9th July, 2010.
- UGC Junior Research Fellow, Jadavpur University, 16th August, 2010-15th August, 2012.
- UGC Senior Research Fellow, Jadavpur University, 16th August, 2012-13th January, 2015.
- Assistant Professor, Department of Mathematics, Government General Degree College, Singur, 25th February, 2015-31st March, 2015.
- Assistant Professor, Department of Mathematics, Jagannath Kishore College, Purulia, 1st April, 2015-23rd July, 2015.

- Assistant Professor, Department of Mathematics, Bankura University, Bankura, 24th July, 2015- till date.

8. Administrative Experience: Teacher-in-charge of Department of Mathematics, Bankura University, 18th October, 2017- till date.

9. Research Interests:

- Representation theory of semigroups
- Theory of near-algebras
- Fuzzy semigroup theory.

10. Research Guidance / Supervision:

Number of researchers pursuing Ph. D: Two.

11. Select list of publications:

a) *Journals / Online Journals:*

- Semilattice congruence and fuzzy semilattice congruence on po- Γ -semigroup via its operator semigroups, East-West Journal of Mathematics, 13 (2) (2011), 151-162.
- On fuzzy ideals of po- Γ -semigroups, International Electronic Journal of Pure and Applied Mathematics, 5 (2) (2012), 79-93.
- Anti fuzzy ideal extension of semigroups, Journal of Hyperstructures, 1 (1) (2012), 27-40.
- Bipolar valued fuzzy translation in semigroups, Mathematica Aeterna, 2 (7) (2012), 597-607.
- Characterization of Γ -semigroups in terms of anti fuzzy ideals, Annals of Fuzzy Mathematics and Informatics, 5 (3) (2013), 463-473.
- Atanassov's intuitionistic fuzzy ideals of po- Γ -semigroups, Kragujevac Journal of Mathematics, 37 (1) (2013), 87-101.
- Prime fuzzy ideals, weakly prime fuzzy ideals of Γ -semigroups, Fuzzy Information and Engineering, 5 (4) (2013), 383-397.
- Fuzzy operands of semigroups, Fuzzy Information and Engineering, 6 (2) (2014), 235-244.
- Properties of fuzzy ideals with thresholds (α, β) of semigroups, Mathematica Aeterna, 4 (8) (2014), 869-876.

- On additively commutative near-ring congruences on seminearrings, *Semigroup Forum*, 91 (3) (2015), 573-583.
- Action of fuzzy translation operators in semigroups, *Mathematica Aeterna*, 5 (1) (2015), 1-10.
- Regularity of po- Γ -semigroups in terms of fuzzy subsemigroups and fuzzy bi-ideals, *Fuzzy Information and Engineering*, 7 (2) (2015), 165-182.
- Fuzzy, rough, rough fuzzy interior ideals of ternary semigroups, *Annals of Fuzzy Mathematics and Informatics*, 10 (1) (2015), 181-192.
- On additively completely regular seminearrings, *Communications in Algebra*, 45 (12) (2017), 5111-5122.
- A note on additively completely regular seminearrings, *Semigroup forum*, published online, DOI: 10.1007/s00233-018-9983-9.
- On additively completely regular seminearrings:II, *Communications in Algebra*, published online, DOI: 10.1080/00927872.2018.1524011.
- Isomorphisms of some lattices obtained from Morita context of semigroups using Fuzzy Notions, *Southeast Asian Bull. Math.*, To appear.

b) **Conference/ seminar volumes:**

- Prime fuzzy ideals, completely prime fuzzy ideals of po- Γ -semigroups based on fuzzy points, *Semigroups, Algebras and Operator Theory*, Kochi, India, February 2014, Springer proceedings in Mathematics and Statistics Volume 142 (2015), 105-121.

12. **Fellowships:**

- UGC Junior Research Fellow, Jadavpur University, 16th August, 2010-15th August, 2012.
- UGC Senior Research Fellow, Jadavpur University, 16th August, 2012-13th January, 2015.

13. **Papers presented in Conferences, Seminars, Workshops and Symposia:**

- Presented a paper entitled A pointwise depiction of primeness of ideals of Γ -semigroups in fuzzy setting in the International Seminar on Topology, Analysis and Algebra (ISTAA-2017), organized by the Department of Mathematics, North Bengal University during February 11-12, 2017.

- Presented a paper entitled A study of prime fuzzy ideals of Γ -semigroups based on fuzzy points in International Conference on Nonlinear Dynamics, Analysis and Optimization (ICNDAO 2015), organized by the Department of Mathematics, Jadavpur University during December 9-11, 2015.
- Presented a paper entitled A realization of semilattice congruence and fuzzy semilattice congruence on partially ordered Γ -semigroups in the International Conference on Algebra and Discrete Mathematics (ICADM-2013), organized by the Department of Mathematics, Government College, Kattappana during March 04-06, 2014.
- Presented a paper entitled Prime fuzzy ideals, weakly prime fuzzy ideals of Γ -semigroups in the International Conference on Semigroups, Algebras and Operator Theory (ICSAOT), organized by the Department of Mathematics, Cochin University of Science and Technology, during February 26-28, 2014.
- Presented a paper entitled Semilattice congruence and fuzzy semilattice congruence on po- Γ -semigroup via its operator semigroups in the National Conference on Mathematical Sciences and Applications (NCMSA-2013), organized by the Department of Mathematics, School of Science and Humanities, Karunya University, Coimbatore, during March 14-15, 2013.
- Presented a paper entitled Regularity of po- Γ -semigroups in terms of fuzzy subsemigroups and fuzzy bi-ideals in the National Seminar on Algebra, Analysis and Discrete Mathematics (NSAADM 2012), organized by the Department of Mathematics, University of Kerala, Thiruvananthapuram, during February 8-10, 2012.