



UNIVERSITY OF CALCUTTA

FACULTY ACADEMIC PROFILE / CV

1. **Full name of the faculty member : Dr. Sandip Jana**
2. **Designation : Associate Professor**
3. **Specialization : Functional Analysis, Topology**
4. **Passport size photograph :**



5. **Contact information :**
Dept. of Pure Mathematics, University of Calcutta
e-mail ID : sjpm@caluniv.ac.in

6. **Academic qualifications :**

College/University from which the degree was obtained	Abbreviation of the degree
University of Calcutta	B.Sc. Hons. in Mathematics
University of Calcutta	M.Sc. in Pure Mathematics
University of Calcutta	Ph.D.

7. **Positions held/holding : Associate Professor**

8. **Research interests :**
 - *Functional Analysis*
 - *Topological Algebraic structure*

9. Research guidance :

- Number of researchers awarded M.Phil/Ph.D. degrees : M.Phil-1,
Ph.D.-3
- Number of researchers pursuing M.Phil/Ph.D. : Ph.D.- 4

10. Projects : Nil

- *Completed projects : Nil*
- *Current projects : Nil*

11. Select list of publications :

a) **Journals :**

- S. Ganguly and S. Jana; *A note on H-continuum*; Bull. Cal. Math. Soc.; **5**,(6)483-496(2003)
- S. Ganguly and S. Jana; *A note on N-continuum*; Tamkang Journal Of Mathematics; Volume 35, Number 4, Winter 2004; 371-382.
- S. Ganguly and S. Jana; *A note on partially ordered topological spaces and a special type of lower semicontinuous function*; Carpathian J.Math.; **21**(2005), No. 1-2, 61-67.
- S. Ganguly and S. Jana; *An associated mob of a topological group*; Acta Math.Univ.Comenianae; Vol.LXXV, 1(2006), pp. 43-53.
- S. Ganguly, S. Mitra and S. Jana; *An associated structure of a topological vector space*; Bull.Cal.Math.Soc.; **96**,(6)489-498(2004)
- S. Ganguly, S. Mitra and S. Jana; *A note on quotient of a topological quasi-vector space*; Rev.Acad.Canar.Cienc.; XV(Nums. 1-2), 9-20 (2003)(publicado en julio de 2004)

- S. Jana, S. Mitra ; *A note on ideals in topological quasi-vector spaces*; Rev.Acad.Canar.Cienc.; XVI(Nums.1-2), 143-155 (2004)(publicado en julio de 2005)
- S.Ganguly, Sandip Jana & Ritu Sen; *A New Hyperspace Topology and the study of the Function Space $^*LC(X,Y)$* ; Math.Vesnik ; **61**,3(2009) ; 181-193 ; September 2009.
- Sandip Jana and Jayeeta Saha; *A Study of Topological Quasi-vector Spaces*; Revista de la Academia Canaria de Ciencias; **XXIV** (Number-1), 7-23 (2012).
- Sandip Jana and S. Mazumder; *An associated structure of a module*; Revista de la Academia Canaria de Ciencias; Vol.-XXV (2013), 9-22.
- Jayeeta Saha and Sandip Jana; *A Study of Balanced Quasi-Vector Space*; Revista de la Academia Canaria de Ciencias; Vol.-XXVII (2015), 8-28
- Jayeeta Saha and Sandip Jana; *A Study of Order-Functional on Quasi-Vector Space*; Revista de la Academia Canaria de Ciencias; Vol.-XXVIII (2016) [to appear]
- Supriyo Mazumder and Sandip Jana; *Exact sequence on quasi module*; Southeast Asian Bulletin Of Mathematics; Vol.-41(4); (2017)]; page : 525-533.
- Priti Sharma & Sandip Jana; *An Algebraic Ordered Extension of Vector Space*; Transactions Of A. Razmadze Mathematical Institute (2018), Elsevier;
<https://doi.org/10.1016/j.trmi.2018.02.002>
- Sandip Jana and Supriyo Mazumder; *Quotient Structure and Chain Conditions on Quasi Modules*; Buletinul Academiei de Stiinte a Republicii Moldova. Matematica; Number 2(87), 2018, Pages 3–16; ISSN 1024–7696.
- Sandip Jana and Supriyo Mazumder; *Isomorphism Theorems on Quasi Module*; Discussiones Mathematicae General

Algebra and Applications; 39 (2019) 91–99;
doi:10.7151/dmgaa.1307.

- S. Samanta, S. Jana & S. Kar; *Note On Topological Ternary Semigroup*; Asian-European Journal of Mathematics (Accepted on 05/6/2020) Vol. 14, No. 5 (2021) 2150086 (11 pages) DOI: 10.1142/S1793557121500868
- Priti Sharma & Sandip Jana; *Some Special Sets in an Exponential Vector Space*; South East Asian Journal of Mathematics and Mathematical Sciences; Vol. 16, No. 3 (2020), pp. 127-144
- Jayeeta Saha & Sandip Jana; *Basis and Dimension of Exponential Vector Space*; Transactions of A. Razmadze Mathematical Institute; Vol. **175** (2021), issue 1, 101-115.
- Prithwiraj Halder & Sandip Jana; *An Associated Structure of a Topological Algebra*; Bull.Cal.Math.Soc.; **113**, (4) 329–352 (2021).
- S. Jana and S. Mazumder; *Projective System Of Topological Quasi Modules*; Journal of Linear and Topological Algebra (JLTA); Vol. 10, No. 03, (2021), 205- 216.
- S. Samanta, S. Jana & S. Kar; *Ideals in topological ternary semigroups*; Boletín de la Sociedad Matemática Mexicana Bol. Soc. Mat. Mex. (2022)28:21
<https://doi.org/10.1007/s40590-022-00416-9>
- Jayeeta Saha and Sandip Jana; *Algebraic characterisation of hyperspace corresponding to topological vector space*; Journal of Hyperstructures, 11 (1) (2022), 48-64.
- Prithwiraj Halder and Sandip Jana; *Ideals of function space in the light of an exponential algebra*; South East Asian J. of Mathematics and Mathematical Sciences; Vol. 19, No. 2 (2023), pp. 285-296; DOI: 10.56827/SEAJMMS.2023.1902.21
- Dhruva Prakash Biswas, Priti Sharma and Sandip Jana; *Characterisation Of Equivalent Norms On A Linear Space Using Exponential Vector Space*; South East Asian J. of

Mathematics and Mathematical Sciences; Vol. 19, No. 3 (2023), pp. 87-100; DOI:10.56827/SEAJMMS.2023.1903.9

- Sandip Jana & Supriyo Mazumder; *Extended Algebraic Structure of Quasimodules*; Sarajevo Journal of Mathematics, Vol. 20 (33), No. 2 (2024), pp. 207-218. DOI: 10.5644/SJM.20.02.03

b) **Books/book chapters : 1**

c) **Conference/seminar volumes : Nil**

d) **Other publications : Nil**

12. Membership of Learned Societies : Life Member of Indian Mathematical Society and Calcutta Mathematical Society

13. Patents : Nil

14. Invited lectures delivered : 3

15. Awards : Gold Medal from Calcutta University

16. Other notable activities : Nil