



UNIVERSITY OF CALCUTTA

FACULTY ACADEMIC PROFILE / CV

1. **Full name of the faculty member** :Dr. Atasi Deb Ray
2. **Designation** : Assistant Professor
3. **Specialization** :Topology and Fuzzy Topology
4. **Passport size photograph** :



5. **Contact information** :

*Department of Pure Mathematics, University of Calcutta,
35, Ballygunge Circular Road, Kolkata - 700019.*

e-mail : debrayatasi@gmail.com

Mobile no. - 9339846166

6. **Academic qualifications** :

College/University from which the degree was obtained	Abbreviation of the degree
St. Xavier's College, University of Calcutta	B. Sc.
University of Calcutta	M. Sc.
University of Calcutta	Ph. D.

7. **Positions held/holding** :

- (i) Teaching Assistant, Florida Atlantic University, Florida, USA (2000 - 2001).
- (ii) Teaching Assistant, University of Miami, Florida, USA (2001 -2002).
- (iii) Faculty, National Power Training Institute (ER), Durgapur, West Bengal (01.07.2003 - 31.07.2004).
- (iv) Assistant Professor, Department of Mathematics, University of North Bengal (09.08.2004 - 31.03.2009).

- (v) Assistant Professor, Department of Mathematics, West Bengal State University (01.04.2009 to 02.08.2016).
- (vi) Assistant Professor, Department of Pure Mathematics, University of Calcutta (03.08.2016- till date).

8. Research interests :

- *Topology and Topological Algebraic structures*
- *Fuzzy Topology*

9. Research guidance :

- Number of researchers awarded Ph.D degrees : 02
- Number of researchers pursuing Ph.D : 01 (registered in West Bengal State University) , 03 (enrolled in Calcutta University).

10. Projects : Nil

- *Completed projects* :None
- *Current projects* :None

11. Selected list of publications :

a) Journals :

- On g_{ij} -closedness of bi-GTS, *Boletim. Soc. Paran. Mat.*, 35(2)(2017), 59-67 (with Rakesh Bhowmik).
- Generalized quasi-uniformity in terms of covers, *Boletim. Soc. Paran. Mat.*, 35(3)(2017), 55-65 (with M. N. Mukherjee and S. Sinha).
- μ -paracompact and g_μ -paracompact generalized topological spaces, *Hacet. J. Math. Stat.* 45 (2016), no. 2, 447–453 (with Rakesh Bhowmick).
- Further on fuzzy pseudo near compactness and ps-ro fuzzy continuous functions. *Theory Appl. Math. Comput. Sci.* 6 (2016), no. 2, 96–102 (with Pankaj Chettri).
- Concerning generalized quasimetric and quasi-uniformity for topological spaces. *Topology Proc.* 47 (2016), 261–271 (with M. N. Mukherjee and S. Sinha)
- On generalized quasi-uniformity and generalized quasi-uniformizable supratopological spaces, *J. Adv. Stud. Topol.* 6(2) (2015), 74–81 (with Rakesh Bhowmick).
- Extension of generalized topological spaces via stacks, *Acta Math. Hungar.* 147(1) (2015), 1–11.

- On starplus nearly compact pseudo regular open fuzzy topology. *Ann. Fuzzy Math. Inform.* 9 (1) (2015), 65–76 (with Pankaj Chettri).
- A fixed point theorem on Σ^* -chainable generalized fuzzy metric space, *J. Fuzzy Math.*, 22(4) (2014), 769 – 776 (with M. Das).
- Separation Axioms on Bi-generalized topological spaces, *J. Chungcheong Math. Soc.*, 27(3)(2014), 363 – 379(with Rakesh Bhowmick).
- On generalized cluster sets of functions and multifunctions, *Acta Math. Hungar.* 140 (2013), no. 1-2, 47–59 (with Rakesh Bhowmick).
- A characterization of completeness of generalized metric spaces using generalized Banach contraction principle, *Demonstratio Math.* 45 (2012), no. 3, 717–724 (with Piu Ghosh).
- More on left fuzzy topological rings, *Ann. Fuzzy Math. Inform.* 3 (2012), no. 2, 321–333 (with Pankaj chettri and M. Sahu).
- Fuzzy pseudo nearly compact space and ps-ro continuous function, *J. Fuzzy Math.* 19 (2011), no. 3, 737 – 746 (with Pankaj Chettri).
- On (left) fuzzy topological ring. *Int. Math. Forum* 6 (2011), no. 25 -28, 1303 – 1312.
- One more fixed point theorem on generalized fuzzy metric spaces, *Adv. Fuzzy Math.* 5(2)(2010), 129 – 134 (with P. Saha).
- Fixed point theorems on generalized fuzzy metric spaces. *Hacet. J. Math. Stat.* 39 (2010), no. 1, 1–9 (with P. Saha).
- On pseudo TM-open fuzzy sets and pseudo fuzzy TM-continuous functions, 5(29) (2010), 1403 – 1411 (with Pankaj Chettri).
- On fuzzy nearly compact regular open topology, *Adv. Fuzzy Math.*, 4(1) (2009), 59 – 68 (with Pankaj Chettri).
- A note on fuzzy compact open topology, *NBU J. Math.*, 2 (2) (2009), 119 – 130 (with Pankaj Chettri).
- On fuzzy topological ring valued fuzzy continuous functions, *Appl. Math. Sci. (Ruse)* 3 (2009), no. 21 - 24, 1177 – 1188 (with Pankaj Chettri).

- b) Books :** None
- c) Conference/seminar volumes :** None
- d) Other publications :** None

12. Membership of Learned Societies : None.

13. Awards : University Gold Medal (C. U.).

14. Other notable activities: Reviewer of Mathematical Reviews, USA.