



# Chandan Kumar Mondal

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## EDUCATION

- Ph.D. — Ongoing  
The University of Burdwan
- M.Sc. - Pure Mathematics — 2015  
University of Hyderabad
- B.Sc. - Mathematics — 2013  
The University of Burdwan

## QUALIFICATIONS

- Joint CSIR-UGC-NET (JRF)- June 2014
- Joint CSIR-UGC-NET (JRF)- June 2015
- GATE- 2015
- DOEACC 'O'-Level.

## WORK EXPERIENCE

Netaji Subhas Open University September 2018 — Present  
Assistant Professor

## RESEARCH INTERESTS

**Differential Geometry,  
Geometric Analysis,  
Differential Topology**

## PUBLICATIONS

- Mondal, C. K., *Integral Liouville theorem in a complete Riemannian manifold*, Balkan J. Geom. Appl., **23(2)** (2018) 56-66. (Jointly with A. A. Shaikh).
- Mondal, C. K., *Some results on phi-convex functions and geodesic phi-convex functions*, Diff. Geom. Dyn. Sys., **20** (2018) 159-170. (Jointly with A. A. Shaikh, A. Iqbal).
- Mondal, C. K., *On locally phi-semisymmetric Sasakian manifolds*, Accepted in Hacettepe J. Math. Stat. (Jointly with A. A. Shaikh, H. Ahmad).
- Mondal, C. K., *A note on convex sets in a complete Riemannian manifold*, Bulletin Univ. Transilvania Brasov, **11(60)(2)** (2018) 119-124. (Jointly with A. A. Shaikh, A. Iqbal).
- Mondal, C. K. *Non-existence of certain type of convex functions on a Riemannian manifold with a pole*, J. Geom. Phys. **140** (2019) 104-110. (Jointly with A. A. Shaikh, I, Ahmad).
- Mondal, C. K. *Some results in  $\eta$ -Ricci Soliton and gradient  $\rho$ -Einstein soliton in a complete Riemannian manifold*, Accepted in Comm. Korean. Math. Soc. (Jointly with A. A. Shaikh).

## CONFERENCES AND WORKSHOPS

- Conference-"National Seminar on Recent trends in Mathematical sciences", Burdwan University, 06-07 Feb, 2019.
- Conference-"National conference on Mathematical analysis and Mathematical

Modelling ", Calcutta Mathematical Society, 07-08 Dec, 2018.

- Workshop in "Topology of Manifolds and Group Actions"- ATM School, University of Delhi, 9th – 22nd Nov, 2017.
- Conference- " International Conference on Topology and Geometry"- University of Delhi, 23th-24th Nov, 2017.
- A note on the isoperimetric inequality in the plane- Presented in ICEAMS-2017, University of Gour Banga.
- Complex Analysis and Topology- ATM School, TEW- (2014).