

CURRICULUM VITAE



Name : **DR. HIMADRI SHEKHAR MONDAL**

Designation : **Co-Ordinator(PG)**
Assistant Professor (Stage III)
Department of Mathematics (UG & PG)
Midnapore College (Autonomous)
Midnapore- 721101, West Bengal, India

Education Qualification : **M.Sc., Ph.D. on “Some Aspects of Causality of Spacetime”**

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Date of Joining : 31/03/2005

➤ **List of research papers published in National/ International journals:**

- i) B. S. Choudhury and H. S. Mondal. A note on almost causality and reflectingness Of space-time, *176(3): 1140–1144 (2013). Theoretical and Mathematical Physics.* 2013.
- ii) B. S. Choudhury and H. S. Mondal. Metric Completeness of $C(p, q)$ in a Globally Hyperbolic Spacetime, *2014, Vol. 20, No. 2, pp. 144–147. Gravitation and Cosmology.* 2013.
- iii) B. S. Choudhury and H. S. Mondal. Continuous representation of a globally hyperbolic spacetime with non-compact Cauchy surfaces. *Ann. Math. Phys, Vol.5, 2015, Issue 2, pp 183-191.*

➤ **Papers presented in Seminar /conference/symposium:**

- i) Mondal, H. S. “A note on Lorentzian covering space and homotopy classes” , International Conference on “Recent Trends in Mathematics and its Applications (ICRTMA 2015) ”, Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University ,18-19th March, 2015.
- ii) Mondal, H. S. “Some invariant properties of causality conditions in spacetime” , National Seminar on “Recent Trends in Cosmology and Future Challenges” , Department of Physics(UG & PG), Pravat Kumar College, Contai, 03- 04 December, 2015.
- iii) Mondal, H. S. “ Classical vs Quantum Causality” , Department of Statistics, Midnapore College(Autonomous), 07-08 November, 2016.
- iv) Mondal, H. S. “Spaces of Causal paths and their separation properties” Department of Mathematics, Raja N. L. Khan Women’s College, 09-10 February, 2017

➤ **Invited Talks:**

- i) Delivered an invited talk entitled “Topology, Geometry and Nature”, as a resource person, in the National Seminar on “Mathematics and its implication in real Life” in the Department of Mathematics, PanskuraBanamali College held on 27th March, 2015.
- ii) Delivered an invited talk entitled “Global Spacetime Structure”, as a resource person, in the National Seminar on “Recent Trends in Cosmology and Future Challenges” in the Department of Physics(UG & PG), Pravat Kumar College, Contai held during 03- 04 December, 2015.
- iii) Delivered an invited talk entitled “Analysis, Geometry and the Universe”, as a resource person, in the Departmental Seminar on “Recent Trends in Mathematics and its application in real Life” in the Department of Mathematics, Moyna College held on 18th December, 2015.

➤ **Area of Teaching:**

- i) Mathematical Analysis, Topology, Functional Analysis, Abstract and Linear Algebra, Geometry and Relativity, Algebraic and Differential Topology.

➤ **Area of Research:**

Relativity, geometry and topology.

➤ **Extracurricular Activities:**

- i) Painting:

Exhibitions:

- i) Exhibited paintings (Acrylic on canvas) in a group show of paintings and sculptures entitled “RarhKristhi art exhibition, 2015” held at Academy of Fine Arts, Kolkata during 18-25 August, 2015
- ii) Participated in a group show of paintings and sculptures held at Academy of Fine Arts, Kolkata during 15-22 March, 2016.
- iii) Participated in a group show of paintings and sculptures held at Lalit Kala Academi, New Delhi during 26 April- 2 May, 2016.
- iv) Participated in a duet show of paintings held at Academy of fine Arts, Kolkata during 21-27 April, 2017

- **Some paintings are in private and institutional collection.**

➤ **Associated with any other Organization:**

- i) IAGRG