



Name: Shuvendu Chakraborty

Designation: Associate Professor

Qualifications: MSc. MBA PhD

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Biographical Sketch

- Teaching experience in Mathematics and Statistics from 2006

ACADEMIC BACKGROUND:

- PhD from IEST, Shibpur
- MBA from Sikkim Manipal University
- M.Sc. From IEST, Shibpur
- B.Sc. from Calcutta University

Areas of Specialisation and Research

Cosmology, Data Analysis

PhD. Guidance: Degree Received (01)

Teaching Experience

HALDIA INSTITUTE OF TECHNOLOGY

Associate Professor

SEACOM ENGINEERING COLLEGE

Vice Principal

UNIVERSITY OF CALCUTTA

Guest Faculty (Department of MBM)

Administrative Responsibility

- Vice Principal & Head of Department of Mathematics in Seacom Engineering College.
- Spearheaded as Officer-In-Charge of MAKAUT semester examination 2007-2008, supervisor of WBJEEM AIEEE examination 2014, and Examination Cell Member of MAKAUT Semester examination 2006 to 2015.
- Departmental coordinator at Haldia institute of technology.
- Hostel Superintendent at Haldia institute of technology.
- Member of NAAC, NBA documentation committee at Haldia Institute of Technology.

Publications

Book(s) Authored:

- (2011) **“Theory Behind the Present Accelerating Universe”** (Shuvendu Chakraborty), Lambert Academic Publishing, Germany, ISBN: 978-3- 8465-4064-0.

Article published in Peer-reviewed journals:

- (2009) **“Effect of modified Chaplygin gas in Anisotropic Universe”**, Astrophysics and Space Science, (Shuvendu Chakraborty, Ujjal Debnath), Vol. 321 (1), Pp. 53-56, and ISSN: 1572-946X.
- (2010) **“Higher Dimensional Cosmology with Normal Scalar Field and Tachyonic Field”**, International Journal of Theoretical Physics, (S Chakraborty, U Debnath), Vol. 49 (8), Pp. 1693-1698. ISSN: 1572-9575.
- (2010) **“The Role of a Chameleon Field in an Anisotropic Universe with Logamediate and Intermediate Scenarios”**, International Journal of Modern Physics A, (S Chakraborty, U Debnath), Vol. 25 (24), Pp. 4691-4701. ISSN: 1793-656X.
- (2010) **“A Anisotropic Universe with Hessece Dark Energy** International Journal of Modern Physics D, (S Chakraborty, U Debnath), Vol. 19 (13), Pp. 2071-2078. ISSN: 1793-6594.
- (2011) **“An Emergent Scenario in Anisotropic Universe”** International Journal of Theoretical Physics, (S Chakraborty, U Debnath), Vol. 50 (1), Pp. 80-87. ISSN: 1572-9575.
- (2011) **“Brans-Dicke Theory in an Anisotropic Model with a Viscous Fluid”** Gravitation and Cosmology, (S Chakraborty, U Debnath), Vol.17 (3) Pp. 280-283. ISSN: 202-2893.
- (2011) **“Correspondence between Electro-Magnetic Field and other Dark Energies in Non-linear Electrodynamics”** International Journal of Modern Physics D, (Sayani Maity, U Debnath, S Chakraborty) Vol.20 (12) Pp. 2337–2350. ISSN: 1793-6594.
- (2011) **“Dilaton Dark Energy Model in $f(R)$, $f(T)$ and Horava-Lifshitz Gravities”** International Journal of Theoretical Physics, (PB Khatua, S Chakraborty, U Debnath) Vol. 51 (2), Pp. 405-417. ISSN: 1572-9575.
- (2012) **“The Effects of Tachyonic and Phantom Fields in the Intermediate and Logamediate Scenarios of the Anisotropic Universe”** International Journal of Theoretical Physics, (S Chakraborty, U Debnath), Vol. 51(4), Pp. 1224–1238. ISSN: 1572-9575.
- (2012) **“Role of Chameleon Field in presence of Variable Modified Chaplygin gas in Brans-Dicke Theory”** Canadian Journal of Physics, (S Chakraborty, U Debnath) Vol. 90 (2), Pp. 131-135. ISSN: 1208-6045.
- (2012) **“Higher Dimensional Cosmology with Some Dark Energy Models in Emergent, Logamediate and Intermediate Scenarios of the Universe”** International Journal of Theoretical Physics, (C Ranjit, S Chakraborty, U Debnath) Vol. 51(7), Pp. 2180-2207. ISSN: 1572-9575.
- (2012) **“Statefinder Parameters for Different Dark Energy Models with Variable G Correction in Kaluza- Klein Cosmology”** International Journal of Theoretical Physics, (S Chakraborty, U Debnath, M Jamil, R Myrzakulov) Vol. 51(7), Pp. 2246-2255. ISSN: 1572-9575.
- (2012) **“Variable G Correction for Dark Energy Model in Higher Dimensional Cosmology”** Canadian Journal of Physics, (S Chakraborty, U Debnath, M Jamil) Vol. 90 (4), Pp. 365-371. ISSN: 1208-6045.
- (2012) **“Observational Constraints of Modified Chaplygin Gas in Loop Quantum Cosmology”** European Physical Journal C, (S Chakraborty, U Debnath, and C Ranjit) Vol. 72(8), Pp. 2101. ISSN: 1434-6052.

- (2013) **“Role of Entropy-Corrected New Agegraphic Dark Energy in Horava- Lifshitz Gravity”** International Journal of Theoretical Physics, (PB Khatua, S Chakraborty, U Debnath), Vol. 52(2). Pp. 2654-667. ISSN: 1572-9575.
- (2013) **“Variable Modified Chaplygin Gas in Anisotropic Universe with Kaluza-Klein Metric”** International Journal of Theoretical Physics, (C Ranjit, S Chakraborty, U Debnath), Vol. 52(3), Pp. 2654–667. ISSN: 1572-9575.
- (2013) **“Observational Study of Higher Dimensional Magnetic Universe in Nonlinear Electrodynamics”** Astrophysics Space science, (C Ranjit, S Chakraborty, U Debnath) Vol. 346(1), Pp. 291-299. ISSN: 1572-946X.
- (2013) **“Dynamical System Analysis for Anisotropic Universe in Brans-Dicke Theory”** International Journal of Theoretical Physics, (J Bhadra, S Chakraborty, U Debnath) Vol. 52(9), Pp. 3353–3365. ISSN: 1572-9575.
- (2013) **“Observational Constraints of Homogeneous Higher Dimensional Cosmology with Modified Chaplygin Gas”** European Physical Journal – Plus, (S Chakraborty, U Debnath, C Ranjit) Vol. 128(5) Pp., 53- 61, ISSN: 2190-5444.