

# CURRICULUM VITAE

## DR. SANTOSH KUMAR ROY

E-mail ID: [roysantosh24@gmail.com](mailto:roysantosh24@gmail.com)

### DESIGNATION

---

Associate Professor of Mathematics, Dum Dum Motijheel College, Kolkata-700074.

### ACADEMIC BACKGROUND

---

- Ph.D. (Mathematics), University of Kalyani, West Bengal, 1987.
- M.Sc. (Mathematics), University of Kalyani, West Bengal, 1977.
- Diploma in Statistics, Indian Statistical Institute–Kolkata, West Bengal, 1987.

### POSITIONS HELD/ HOLDING

---

- 2005–Present : Associate Professor, Dum Dum Motijheel College
- 1992–2005 : Assistant Professor, Dum Dum Motijheel College

### TEACHING INTEREST

---

- Mechanics of Continua, Visco-Elasticity, Micropolar Visco-Elasticity.

### RESEARCH PROFILE

---

#### PUBLICATIONS:

##### Journal Paper:

1. Roy, S.K. and Sengupta, P.R. (1986): Two Dimensional Wave propagation in a Micropolar Thermo-Viscoelastic Layer. *Bulletin of Polish Academy of Science*, 34(1-2).
2. Roy, S.K. and Sengupta, P.R. (1983): Radial Vibration of a sphere of a general viscoelastic Solid. *Gerland Beitr Geophysik*, 92: 435-442.
3. S.K Roy, S.K. and Sengupta, P.R. (1983): Rotatory Vibration of a sphere of a general viscoelastic Solid; *Gerland Beitr Geophysik*, 92: 70-76.
4. Roy, S.K. and Sengupta, P.R. (1984): Vibration of the infinite circular cylinder of Viscoelastic solid of higher order. *Indian Journal of Pure and Applied Mathematics*, 15(5): 571-588.
5. Roy, S.K. and Sengupta, P.R. (1985): Propagation of plane waves in a conducting thermo-visco-elastic solid of general nature placed in a magnetic field. *Indian Journal of Theoretical Physics*, 33(1).

##### Book Chapter:

1. Roy, S.K. and Sengupta, P.R. (2001): Radial motion of a solid conducting viscoelastic sphere under the action of initial stress and in a magnetic field. Proceedings in Applied Mathematics, Bengal Engineering College, pp. 75-89.
2. Roy, S.K. (2001): Magneto thermo-viscoelastic interaction in an infinite conducting solid due to instantaneous heat source. Proceedings of the 88<sup>th</sup> Indian Science Congress, pp. 10.
3. Roy, S.K. and Sengupta, P.R. (1993): Reflection and refraction of plane waves at a surface of two visco-elastic solid media under initial stress. Proceedings of the 80<sup>th</sup> Indian Science Congress, pp. 16.

##### Book:

1. Roy, S.K. and Sinha, S.: উচ্চ গণিত সমগ্র, Dey Book Concern, Kolkata.
2. Roy, S.K. and Sinha, S.: উচ্চ মাধ্যমিক গণিত, Dey Book Concern, Kolkata.

**Editor of Journal:**

- Journal of Mechanics of Continua and Mathematical Sciences.

**NUMBER OF SEMINAR PRESENTATIONS:**

- National: **12**; State level: **6**

**NUMBER OF WORKSHOP/CAPACITY BUILDING COURSE PARTICIPATIONS:**

- State Level: **2**

**MEMBERSHIPS OF LEARNED SOCIETIES**

---

- Indian Science Congress Association.
- Calcutta Mathematical Society.
- Institute of Mechanics of Continua and Mathematical Sciences.

**AWARDS**

---

- University Merit Certificate and Arunangsu Memorial Prize for First Class First position in M.Sc. Mathematics in University of Kalyani, 1977.