

BANKURA UNIVERSITY



FACULTY ACADEMIC PROFILE/ CURRICULUM VITAE

1. **Name:** BAPPA DAS
2. **Designation:** ASSOCIATE PROFESSOR
3. **Date of Birth:** 01/02/1978
4. **Specializations :** Elasticity, Plasticity, Fractional Order Calculus, Generalized Thermoelasticity & Magneto thermoelasticity.
5. **Contact Information:**
Contact Address: Saket Nagar, Block-3/2D,
127, B.T. Road, Kolkata-700108,
West Bengal, India.
Email: bappa.das1@gmail.com
Phone Number: +91-9830966506

6. **Academic qualifications:**

College/ University from which the degree was obtained	Abbreviation of the degree
Jadavpur University, Kolkata.	B.Sc. (Maths.)
Jadavpur University, Kolkata.	M.Sc. (Appld. Maths.), Specialization in Elasticity and Plasticity.
Jadavpur University, Kolkata.	B.Ed.
UGC -CSIR	NET
Jadavpur University, Kolkata.	Ph. D.

7. **Academic Experience:**

Sl. No.	College/Institute	Designation	Duration
1.	Prasanta Chandra Mahalanobis Mahavidyalaya, Kolkata.	Assistant Professor of Mathematics.	06.04.2005 – 31.03.2015
2.	Ramakrishna Mission Vidyamandira, Belur, Howrah.	Assistant Professor of Mathematics.	01.04.2015 – 16.07.2019

8. **Research Interests:**

- Finite Difference/Element Method
- Fractional Order Heat Equation
- Couplede/Generalized Thermoelastic Model
- Couplede/Generalized Magnetothermoelastic Model
- Wave Propagation on Semi-conducting Medium

9. **Research Guidance / Supervision:**

Number of researchers pursuing Ph.D: 02

10. **Select list of publications:**

a) **Journals / Online Journals:**

Sl. No.	Title of paper/article	Published In
1.	Eigenvalue Approach To generalized Thermoelastic Interactions in an Unbounded Body With Circular Cylindrical Hole Without Energy Dissipation.	International Journal of Applied Mechanics and Engineering, Vol.13, No.4, pp.939-953, 2008, ISSN-1425-1655, SCI Indexed.
2.	Eigenvalue Approach To Coupled Thermoelasticity With Temperature Dependent Modulus of Elasticity in a Isotropic Elastic Medium With a Cylindrical Hole.	International Journal of Applied Mechanics and Engineering, Vol.16, No.2, pp.411-423, 2011, ISSN-1425-1655, SCI Indexed.
3.	Eigenvalue Approach To Study The Effect of Rotation in Three Dimensional Problem of Generalized Thermoelasticity.	International Journal of Applied Mechanics and Engineering, Vol.15, No.1, pp.99-120, 2010, ISSN-1425-1655, SCI Indexed.
4.	Eigenvalue Approach To Two-dimensional Problem of Generalized Thermoelasticity For a Half - Space With Body Force.	International Journal of Applied Mechanics and Engineering, Vol.17, No.2, pp.419-437, 2012, ISSN-1425-1655, SCI Indexed.
5.	Thermal Stresses In An Isotropic Elastic Slab Due To Prescribed Surface Temperature.	Advance Theoretical and Applied Mechanics, Vol. 3, No.10, pp.451-467, 2010, ISSN(Print):1313-6550;

		ISSN(Online):1314-7625, I.F.-0.167,SCI Indexed.
6.	A Two Dimensional Problem of Generalized Magneto thermoelastic Interactions For Half - Space in Rotating Medium.	Thermal Energy and Power Engineering, Vol. 2, No. 2, pp.55-65, 2013, ISSN(Print):2326-0521;ISSN(Online):2326-053X.
7.	Generalized Magneto-thermo-elasticity for Isotropic Media.	Journal of Thermal Stresses,Vol. 38, No. 2, pp. 210-228,2015, ISSN : 0149-5739 (Print), 1521-074X (Online), I.F.-1.852, SCI Indexed.
8.	A Generalized Thermo-elastic Problem of Functionally Graded Spherical Cavity.	Journal of Thermal Stresses, Vol. 38, No. 10, pp.1183-1198,2015, ISSN : 0149-5739 (Print), 1521-074X (Online), I.F.-1.852, SCI Indexed.
9.	Fractional Order Thermoelasticity of an Anisotropic Half-space in the Context of G-N Model II.	Journal of the Calcutta Mathematical Society, Vol. 12, No.2, pp.65-90, 2016, ISSN :2231-5314.
10.	Generalized Magneto thermoelastic Interaction for a Rotating Half Space.	International Journal of Applied and Computational Mathematics, Vol. 4, No.3, pp.1-14 , 2018. SCI Indexed. DOI: 10.1007/s40819-018-0523-9.
11.	Non-linear Thermoelastic Analysis of an Anisotropic Rectangular Plate.	Mechanics of Advanced Materials and Structures, 2019, ISSN : 1537-6494 (Print), 1537-6532 (Online), I.F.- 2.645, SCI Indexed, SCOPUS. DOI: 10.1080/15376494.2019.1578010.

b) **Books/ book chapters / E-book:**

Problems and Solutions in Therrmoelasticity and Magneto thermoelasticity, Springer International Publishing AG, Gewerbestrasse 11, 6330 Cham, Switzerland. ISBN: 978-3-319-48807-3, ISBN: 978-3-319-48808-0 (eBook), DOI 10.1007/978-3-319-48808-0.

c) **Conference/ seminar volumes:**

Sl. No.	Title of paper/article	Published In
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1.	Eigenvalue Approach to Thermoelastic Interactions in an Unbounded Body with a Spherical Cavity.	Proceedings of World Congress on Engineering, Vol.III, pp.1881-1886, London,U.K.,2010, ISBN: 978-988-18210-8-9 ISSN:2078-0958.
2.	One Dimensional Generalized Magneto thermoelastic Problem : For a Half-Space.	Proceedings of World Congress on Engineering, Vol.I, pp.119-124, London,U.K., 2012, ISBN: 978-988-19251-3-8 ISSN:2078-0958.

11. Membership of Learned Societies:

1. Member of ISI, Kolkata.
2. Member of Calcutta Mathematical Society, Kolkata.
3. Member of Board of Studies, Ramakrishna Mission Vidyamandira.