

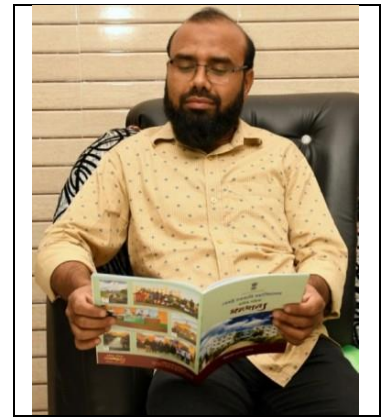
Dr. Md Abul Kashim Molla

Designation: Assistant Professor (WBES)

DOJ in WBES: 21.09.2020

DOJ in this College: 21.09.2020

Email: akm13j@gmail.com



Academic Qualification: M. Sc, Ph. D.

B. Sc. (Hons.) from Maulana Azad College, C.U (2005)

M. Sc. (Applied Math) from IEST, Shibpur (2008)

Ph. D. from Aliah University (2022)

Mathematical Interest: Abstract and Linear Algebra, Real and Complex Analysis, Geometry, Differential Equation.

Research Area: Fractional Order Generalized Thermoelasticity.

Research Publications:

- 1) Mondal, N., **Molla, M.A.K.**, Mallik, S.H.: Fractional Order Two Temperature Generalized Thermoelasticity of an Infinite Medium with Cylindrical Cavity Under Three Phase Lag heat Transfer, **Indian Journal of Theoretical Physics**, 65 (3 & 4), 189-206 (2017).
- 2) Mallik, S.H., **Molla, M.A.K.**, Mondal, N.: Time-fractional Two-Temperature Generalized Thermoelasticity with Energy Dissipation for an Infinite Solid with Varying Heat Sources, **Bulletin of Calcutta Mathematical Society**, 110 (5), 419-440 (2018).
- 3) **Molla, M.A.K.**, Mondal, N., Mallik, S.H.: Effects of Fractional and Two-Temperature Parameters on Stress Distributions for an Unbounded Generalized Thermoelastic Medium with Spherical Cavity, **Arab Journal of Basic and Applied Sciences**, 26(1), 302-310 (2019).
- 4) **Molla, M.A.K.**, Mondal, N., Mallik, S.H.: Waves in Generalized Thermo-Viscoelastic Infinite Continuum with Cylindrical Cavity due to Three-Phase-Lag Time-Nonlocal Heat Transfer, **Journal of Thermal Stresses**, 43(6), 784-800 (2020).
- 5) **Molla, M.A.K.**, Mallik, S.H.: Variational Principle, Uniqueness and Reciprocity Theorems for Higher Order Time-Fractional Four-Phase-Lag Generalized Thermoelastic Diffusion Model, **Mechanics Based Design of Structures and Machines**, 51(4), 1904-1919 (2021).
- 6) **Molla, M.A.K.**, Mallik, S.H.: Time-Nonlocal Six-Phase-Lag Generalized Theory of Thermoelastic Diffusion with Two-Temperature, **Waves in Random and Complex Media**, 34(4), 3281-3304 (2021).
- 7) Mondal, N., **Molla, M.A.K.**, Mallik, S.H.: Application of Memory Dependent Derivatives on Three Phase Lag Theory with Two Temperature for an Unbounded Generalized Thermoelastic Medium Having Spherical Hole, **Journal of the Calcutta Mathematical Society**, 18 (1), 91-110 (2022).

8) Mondal, N., **Molla, M.A.K.**, Mallik, S.H.: *A Two-Temperature Generalized Piezo-Thermoelastic Problem with Eringen's Non-local Effect and Memory-Dependent Derivatives under Three Phase Lag Heat Transfer, **Waves in Random and Complex Media**, (doi:10.1080/17455030.2022.2161023), (2022).*

9) Seth, T., **Molla, M.A.K.**, Mallik, S.H.: *Eigenvalue Approach to Study Generalized Thermoelastic Interactions with Memory Effect in a transversely Isotropic Unbounded Medium Containing Line Heat Source, **Mechanics of Advanced Composite Structures** , 11 (2), 413 – 424 (2024).*

Conferences Attended for Paper Presentation:

1) National Seminar on **Recent Trends in Mathematical Sciences (RTMS-2019)**, Organized by Dept. of Mathematics, The University of Burdwan.

2) National Seminar on **Recent Advances in Mathematics and its Applications (RAMA-2019)**, Organized by Dept. of Pure Mathematics, University of Calcutta.

3) National Seminar on *Mathematical modeling and its Applications in Natural and Engineering Sciences (NSMMANES-2019)*, Organized by Dept. of Mathematics and Statistics, Aliah University.

4) UGC Sponsored National Seminar, Organized by Dept. of Mathematics, K. K. Das College, Kolkata.

Attended Academic Enhancement Programme:

1) **Faculty Induction Programme (FIP)** from Aligarh Muslim University, Aligarh, U.P. through Online Mode (from 12.07.2023 to 17.08.2023).

2) **Refresher Course (RC)** from The University of Burdwan, Burdwan, W.B. through Online Mode (from 25.07.2024 to 07.08.2024).

Teaching Experiences:

1) Worked as Part-time Lecturer of Mathematics at **Bangabasi Morning College**, Kolkata-700009.

2) Worked as Assistant Teacher of Mathematics at **Saptagram High Madrasah**, Khardah, North 24 Parganas-700119.

3) Working as Assistant Professor of Mathematics at **Government General Degree College, Tehatta**, Nadia-741160.

I hereby declare that all the statements made above are correct to the best of my knowledge and belief.

Md Abul Kashim Molla

Date: 08/08/2024

Place: W.B. India