



# DR. PAPRI ROY

## PROFILE

### EMAIL:

papri.roy00@gmail.com

### DATE OF JOINING

27.04.2017

## DESIGNATION

---

ASSISTANT PROFESSOR, DEPARTMENT OF MATHEMATICS

## EDUCATION

---

- 2022- **Ph.D.** in Mathematics, IIT Guwahati
- 2013- **M.Sc.** in Mathematics, IIT Bombay
- 2011- **B.Sc.** in Mathematics, Dinhata College, NBU

## WORK EXPERIENCE

---

**2017-Continued-** As Assistant Professor, P. D. Women's College, Club Road, Jalpaiguri, West Bengal

## RESEARCH INTEREST

---

Finite Elements Methods.

## RESEARCH COLLABORATION

## LIST OF PUBLICATION

---

1. Deka, B., **Roy, P.**, Kumar, N., & Kumar, R. (2023). Convergence of Weak Galerkin Finite Element Method for Second Order Linear Wave Equation in Heterogeneous Media. *NUMERICAL MATHEMATICS-THEORY METHODS AND APPLICATIONS*, 16(2), 323-347. doi:10.4208/nmtma.OA-2021-0080
2. Deka, B., & **Roy, P.** (2020). Weak Galerkin finite element methods for electric interface model with nonhomogeneous jump conditions. *Numerical Methods for Partial Differential Equations*, 36(4), 734-755. <https://doi.org/10.1002/num.22446>

3. Deka, B., **Roy, P.**, & Kumar, N. (2020). Weak Galerkin finite element methods combined with Crank-Nicolson scheme for parabolic interface problems. *Journal of Applied Analysis and Computation*, 10(4), 1433-1442. doi: 10.11948/20190218
4. Deka, B., & **Roy, P.** (2019). Weak Galerkin finite element methods for parabolic interface problems with nonhomogeneous jump conditions. *Numerical Functional Analysis and Optimization*, 40(3), 259-279. DOI: 10.1080/01630563.2018.1549074