Rekha Mallappa Khot

✉

rekhakhot27@gmail.com
rekhamp@math.iitb.ac.in

☎

+91-9763886499

🏠

Department of Mathematics
Indian Institute of Technology,
Bombay, Mumbai, Maharashtra,
India 400076

LANGUAGES
——

English, Marathi, Hindi
Kannada

EDUCATION

PH.D IN MATHEMATICS (PURSUING SINCE **DEC 2016)**
Indian Institute of Technology Bombay, Mumbai, India
Research area : Virtual Element Method
CGPA : 8.83/10

M.SC IN MATHEMATICS (2014-2016)
Savitribai Phule Pune University, Pune, India
Percentage of marks : 91.70

B.SC IN MATHEMATICS (2011-2014)
Fergusson College, Pune, India
Percentage of marks : 96.75

COURSE WORK DURING PH.D

- Numerical methods for PDE
- Modern theory of PDE
- Partial differential equation – I
  [Theory of Sobolev spaces]
- Partial differential equation – II
  [Theory of non-linear PDEs]
- Measure theory
- Topics in numerical analysis – I
  [Finite element methods for elliptic problems]
- Topics in numerical analysis – II
  [Finite element methods for parabolic problems]

SOFTWARE PROFICIENCY

- MATLAB
- MS Office

TEACHING EXPERIENCE

TEACHING ASSISTANTSHIP 2018 ONWARDS
Indian Institute of Technology Bombay, India
(Courses: Linear algebra, Differential equations, Calculus, Numerical analysis)

Lab instructor in a workshop **Linear algebra with applications to data analysis and control (2019**) organized by National Center for Mathematics

WORKSHOPS ATTENDED

- AIS on Geometric Measure Theory and PDE at IIT Madras in June 2019
- **Indian Women and Mathematics** at Homi Bhabha Centre for Science Education (TIFR) in February 2019
- National Centre for Mathematics workshop on "**New directions in PDE constrained optimization**" at IIT Bombay in March 2018
- **National Science (VIJYOSHI) Camp** at IISc Bangalore in November 2014

KEY INDICATORS OF EXCELLENCE

- Receiving **stipend** from the University Grants Commission for Ph.D
- **First rank** in the University during M.Sc with **3 Gold Medals**
- Secured **66th rank** in National Eligibility Test with JRF
- Cleared Maharashtra State Eligibility Test for Assistant Professor
- **First rank** in the University during B.Sc
- Obtained **INSPIRE scholarship** for 5 years during B.Sc and M.Sc by Department of Science and Technology, Government of India

REFERENCE

Prof. Amiya K. Pani
Department of Mathematics
IIT Bombay
akp@math.iitb.ac.in