

MEGHANA BHAT

Indian Institute of Technology Dharwad

📍 Walmi campus, PB Road, Near High Court, Dharwad - 580011
@ meghana.bhat@iitdh.ac.in 🌐 <https://meghanabht.github.io/meghanabhat.github.io/>
🌐 www.linkedin.com/in/meghanamath

EDUCATION

Ph.D. Mathematics (July 2021 – Present)

Indian Institute of Technology Dharwad

CGPA: 9.56/10

Research Area - **Commutative Algebra**

Supervisor - **Prof. Shreedevi Masuti**

Master of Science (2019-21)

Pondicherry University, Pondicherry

CGPA: 9.49/10

Bachelor of Science (2016-19)

Mahatma Gandhi Memorial College, Udupi

Percentage: 92.46%

TEACHING ASSISTANT/MENTORING

- Linear Algebra, Differential Equations-I (Spring-2024, 2022)
- Complex Analysis, Differential Equations-II (Autumn 2023)
- Calculus-I,II, Linear Algebra (Spring-2023)
- Mentor for the Online Foundation Course in Mathematics (OFCM-2020) held online by MTTs. (4th-20th Oct' 2020)

TECHNICAL SKILLS

LaTeX

Macaulay2

SINGULAR

SageMath

ROLES AND RESPONSIBILITIES

- Senate representative (PG) (2023-24)
- DPGC student member (2023-24)

EXTRA CURRICULAR ACTIVITIES

- Participated in the INTER-IIT Sports Meet-2022. I was leading the Women's Basketball team of IIT Dharwad as the vice-captain. (Dec'-2022)

PAPERS/PREPRINTS

On Gorensteinness of associated graded rings - Communicated, available at <https://arxiv.org/abs/2404.14189> (2024)

[Joint with S. Dubey, S. K. Masuti, T. Okuma, J.K. verma, K. Watanabe and K. Yoshida]

RESEARCH VISITS

- April, May 2024 - Politecnico Di Torino, Italy
- June 2023 - IIT Bombay, India

SCHOLARSHIPS/ACHIEVEMENTS

- Prime Minister's Research Fellowship - PMRF. (2022)
- Qualified GATE-2021, CSIR-NET LS June-2021. (2021)
- Dr. T.M.A Pai Gold Medal as the best student in the final degree from MGM College, Udupi. (2019)
- INSPIRE Scholarship (SHE). (2016-21)
- National Means-Cum-Merit Scholarship Scheme Examination (NMMS). (2012-16)

WORKSHOPS/CONFERENCES

- Attended "Introductory workshop : Commutative algebra" at SL Math Institute Berkeley, USA. (Jan 2024)
- Attended "School and workshop on Commutative Algebra and Algebraic Geometry in Prime Characteristics and Workshop on Commutative Algebra and Algebraic Geometry in Prime Characteristics" at the ICTP, Italy. (May 2023)
- Attended "Conference on Commutative Algebra and Algebraic Geometry (CoCAAG-2023)" held at IIT Hyderabad. (Feb 2023)
- Attended "Sagedays 114" held at the Institute of Mathematical Sciences, Chennai. (July 2022)
- Attended NCM Workshop on "Maximal Cohen-Macaulay Modules" held at CMI, Chennai. (July 2022)
- Attended "Graduate Course on Tight Closure of Ideals and its Applications" held online by the International Centre for Theoretical Physics (ICTP), Italy. (May -July 2022)
- Attended NCM Workshop on "Intersection Theory" held at IIT Bombay. (May 2022)
- Participated in "Mathematics Training Programme and Talent Search (MTTS)" Level O,1, 2. (2018,2019,2020)