

BIONAC Research Laboratory

Department of Mechanical Engineering, Manipal University Jaipur

BIONAC Research Lab is an interdisciplinary research facility, located in the department of Mechanical Engineering at Manipal University Jaipur to converge and develop next-generation structural bio-nanocomposites. Established by Prof. Sanchita Bandyopadhyay-Ghosh and Prof. Subrata Bandhu Ghosh in collaboration with INDAG Rubber Pvt Ltd in 2016. BIONAC Research Lab uses cutting-edge research facility in carrying out several industry relevant R&D projects. A generous funding of about **Rs. 1.5 Crores** from Indag has been instrumental to develop a range of nanomaterials, nanocomposites and biocomposites.

Research scholars/students are actively engaged in BIONAC and several patents and high impact research papers have been published from these projects. Owing to such high competency, BIONAC Research Lab has been a focal point of visit by eminent scientists and industry professionals.



RESEARCH OUTCOMES

- Patents published: 3
- Papers published in journals (SCI and Scopus indexed): 4 (all are in Q1 category)
- Papers presented in international conferences: 10
- Industrial grant received: 1.5 Crores (Indag Rubber Ltd)
- Start Up established (2019): GoGreen Products Pvt Ltd.
- MoUs signed (International and National): 4
- PhD students: 2 (ongoing)
- Industry sponsored ‘Research Project Fellow’: 4
- M Tech. Thesis (in house): 4 (completed)
- B.Tech. Thesis (in house): 10 (completed)
- International interns: 2 (Turkey, Romania)
- Conference/Workshop/FDP organized: 3