



राष्ट्रीय प्रौद्योगिकी संस्थान अगर्तला

National Institute of Technology Agartala

OFFICE OF THE DEAN ACADEMIC

F.NITA/5.(6-Acad)/Ph.D/Admn/2024/Jan/A-1385

Dated- 15 /11/2023

CORRIGENDUM

Sub:- Broad area of research for admission to Ph.D Programme at NIT Agartala for January-June 2024, academic session

In reference to the notification of this office vide F.NITA/5.(6-Acad)/Ph.D/Admn/2024/Jan/A-1381, dated 10/11/2023, the broad area of research against different Academic Departments may be read as below:

Sl. No.	DEPARTMENT	Broad area of research
1.	Bio Engineering	Biotechnology, Biochemical Engineering, Environmental Engineering; Industrial waste water treatment; Process Intensification; Mathematical modelling; Fluid Mechanics, Computational Fluid mechanics, Heat and Mass Transfer, Fuel & combustion, Environment, Energy, Safety, Waste management, Computational Biology.
2.	Chemical Engineering	Environmental Engineering, Waste water treatment, Adsorption, Bioremediation, Optimization and Design, Computational Fluid Dynamics, Multiphase Flow phenomena, Petroleum & Refinery Engg., Transport Phenomena, Energy, Environment, Chemical & Bio-Chemical Engineering, Microalgae and Cyanobacteria based Biofuels and Bioproducts, Agriculture Waste Management, Metabolic Network Analysis for Biological Systems, Systems Biology, Fermentation Technology. Environmental Engineering and Pollution Control, Biotechnology, Electrochemical Technologies, Nanotechnology, Materials Engineering, Polymer Engineering, Reaction Engineering & Catalysis, Renewable Energy & Biofuels, Energy and Fuel Technology, Sustainable Engineering, Waste Utilization, and Biomass valorization, Water and wastewater treatment; Groundwater and wastewater treatment by membrane and adsorption processes; Utilization of solid waste, Membrane distillation; Assessment of groundwater and surface water quality, Arsenic removal by membrane processes.
3.	Civil Engineering	Quality & treatment of water & waste water; Heavy metal removal; solid waste management; ecology; Adsorption modeling; Bio composite; Bio fuel generation; Remote sensing & GIS; membrane filtration; anaerobic design; composting; Dynamic response & stability; Anaerobic Digestion; Pre-treatment technology; Life Cycle Analysis; In-Situ Bio methanation; Power-to-X; Sustainable Waste to Energy technologies; Geotechnical Engineering; Field of Transportation Engineering; Water Resource Engineering; Structural Engineering; Liquefaction; Landslide; Slope stability; Geo-environmental study and seismology; Structural Dynamics and EQ Engg; Earthquake Geotechnical Engg; Building Materials and Structures; Pavement materials; Pavement analysis and design; Subgrade stabilization; Seismic performance evaluation of RC structures; Seismic performance evaluation of Masonry structures; Concrete performance against corrosion; Retrofitting and Rehabilitation of Structures; High performance concrete; Concrete Durability; Geopolymer concrete; Non-destructive Evaluation; Pavement/ Soil; Structural rehabilitation/ Strengthening; Hydro informatics/AI and Data science in water resources development; Environmental Nanotechnology waste water treatment.

