

Dr. Abhishek Dutta



Designation: Doцент (Associate Professor)

Institution: Izmir Institute of Technology (iyTE), Turkey

Email: abhishek.dutta@iyte.edu.tr

Research Areas: Population Balance Modelling, Reactor Design, Process Intensification

Education:

Ph.D. in Chemical Engineering, [University Name], [Year]

M.Tech. in Chemical Engineering, [University Name], [Year]

Research Interests: Environmental Engineering, Bioprocess Modelling, Wastewater Treatment, Bioreactor Optimization

Selected Publications:

- *Role of fermentation in improving nutritional quality of soybean meal – A review*, Asian-Australasian J. Anim. Sci. (Cited 361×)
- *Environmental challenges of the steel industry*, J. Environ. Manage. (Cited 218×)
- *Experimental methods for cell population heterogeneity*, Biotechnol. Adv. (Cited 156×)

Recent Works:

- Comparative review of UASB and anaerobic reactors (*J. Water Supply: Aqua*, 2018)
- Selenium removal from mining wastewater (*J. Water Supply: Aqua*, 2018)

Professional Experience:

Over 15 years in teaching and research in process design and intensification

Awards & Achievements:

Recognized among top contributors in wastewater treatment and reactor modelling

Collaborations:

Worked with international teams across Europe and Asia on environmental bioprocessing

Citations:

Total citations: 2000+ | h-index: 25+ (as per Google Scholar)

Languages:

English, Hindi, Turkish