



Dr. Manoj Kumar Swain, M.Sc., Ph.D.

Assistant Professor

Area: Polymer Chemistry

Affiliation: Trident School of Biotech Sciences,
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Education

Ph.D.	Polymer Chemistry	Ravenshaw University	2019
L.L. B	Indian Penal Code (Regular)	Utkal university	2001
M.Sc.	Chemistry (Regular)	Utkal University	1996
B.Sc.	Chemistry (Regular)	Utkal University	1994
B.Ed.	Physical science (Regular)	Andhra University	2021

Teaching Experience: 23-Years (UG&PG)

- ✚ Worked as a Guest Lecturer of chemistry at Govindpur Degree College, Govindpur from 1997-1999.
- ✚ Worked as a Lecturer of chemistry in Maharishi college of Natural-Law, Shaheed Nagar, Bhubaneswar from 1999 to 2005.
- ✚ Working as a Head of the Department (HOD) of chemistry and Assistant Professor at the Trident School of Biotech Sciences, Trident Academy of Creative Technology, Bhubaneswar from 2005 to 30.09.2022

Administrative Experience:

- ✚ As a Head of the Department (Chemistry) from 2005 till date

Research Focus:

- ✚ Synthesis of polymer from Cardahal based Castrol oil

Publications:

- ✚ The synthesis and FTIR, Kinetics and TG/DTG/DTA study of inter Penetrating Polymer Networks (IPNs) of Polyurethanes of polyol modified castor oil and TDI and Cardanol based dyes. (IOSR Journal of Engineering (IOSRJEN) ISSN (e): 2250-3021, ISSN (p): 2278-8719 Vol.08, Issue 7 (July.2018), ||V (II) || PP 41-50
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- ✚ The synthesis and FTIR, Kinetics and TG/DTG/DTA study of inter Penetrating Polymer Networks (IPNs) of Polyurethanes of polyol modified castor oil and HMDI and Cardanol based dyes. (GJESR Journal of Science and Researches ISSN 2348-803 Impact Factor-5.070, [pal, 5(7): July 2018] DOI-10.5281/Zenodo.1305014)
M. K. Swain, B Satapathy, DR N. C. Pal*

Motivational Note:

Chemistry is very much involved in Life Sciences. So be friendly with Chemistry so that you can understand Bio-tech better