



Siba Sankar Nayak, Ph.D.

Designation: Professor

Department : Department of Basic Science and Humanities
(JOINED THE INSTITUTE IN 2008)

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RESEARCH INTERESTS:

Synthesis & Characterization of Synthetic Resins &
Biopolymers, Green Chemistry

Academic Qualifications:

Ph. D. (Chemistry): Utkal University, Bhubaneswar, India
M.Sc. (Chemistry), Utkal University

Teaching Experience/Research Experience:

Teaching experience: 18 years

PUBLICATIONS

Journal & Conferences

- 1) Polymers From Renewable Resources: XI, Synthesis & Characterization of Thermosetting Resins Derived From cardanol acrylate- formaldehyde- substituted aromatic compounds, **S.S. Nayak**, D.K. Mishra, P.I. Nayak, S. Lenka, MACROMOLECULAR REPORTS, A32(supp.4), 511-521 (1995)
- 2) Polymers from renewable resources: X, Semi-Interpenetrating Polymer Networks based on castor oil- PU & cardanol Furfural resin: SEM & XRD Studies D.K. Mishra, **S.S. Nayak**, S. Lenka, MACROMOLECULAR REPORTS, A32(SUPP.4) 499-510 (1995)
- 3) Polymers from renewable resources: XXII Studies on synthesis & thermal properties of interpenetrating polymer networks derived from castor oil-isophorone diisocyanate-cardanyl methacrylate/poly cardanyl methacrylate. D.das, **S.S Nayak**, S. Lenka, THERMOCHIMICA ACTA 297(1997) 101-107

4) Polymers from renewable resources: XIX: Synthesis & characterization of copolymers from cardanyl acrylate and vinyl monomers, **S.S. Nayak**, S.K. Das, S.Lenka, REACTIVE & FUNCTIONAL POLYMERS, 4(1998)105-110

ANY OTHER

Book Published:

An introduction to green technology published by Walnut publication, New Delhi (2020).

Professional Membership: OCS, OES, OBA, ISTE, ACT, ISCA