

Faculty Profile

1. Name: Dr. Nirupama

2. Department: Chemical Engineering

3. Email id: nirupama.2k3@gmail.com

4. Phone Number: +91 9771313741

5. Office Address: Department of Chemical Engineering, B.I.T. Sindri, Dhanbad



6. Qualification:

S. No	Degree (UG, PG, PhD)	Specialization	Institute
1.	UG	Polymer technology	Punjab Technical University
2.	PG	Industrial safety and hazards management	I.I.T. Roorkee
3.	PhD	Polymer composites	I.I.T. Roorkee

7. Area of Specialization: Polymer composites, Risk assessment

8. Subjects Taught: Safety and hazards in Chemical Industry, Industrial Chemical Processes, Process control and instrumentation

9. Professional Experience:

I) Teaching Experience:

Sl. No.	Position held	Name of Organization	From	To
1.	Assistant Professor (Under NPIU-TEQIP)	B.I.T. Mesra, Ranchi	04.01.2018	30.09.2021
2.	Visiting Assistant Professor	B.I.T. Mesra, Ranchi	04.10.2021	03.12.2021
2.	Assistant Professor	B.I.T. Sindri, Dhanbad	27.01.2022	Till date

II) Research Experience:

Sl. No.	Position held	Name of Organization	From	To

III) Industrial Experience:

Sl. No.	Position held	Name of Organization	From	To
1.	Process Engineer	PDIL, Noida, New Delhi	15.05.2010	18.02.2012

11. Publications:

I) International Journal: (Total Citations: 108)

(https://scholar.google.com/citations?hl=en&view_op=list_works&gmla=AJsN-F4PbFQ6Xq-GfRIM226v-mCYx_eADWK8Ev4eS0j_z6fOdOKLeeWVYt26NRcmlalRkkjLN9_Gbvwfmg9JwqrZcokhUyjHK0-aRCQDq2GyY_sV1Zx8Ns&user=t0e6b9YAAAAJ)

Sl. No.	Title of the paper	Name of the journal in which publication has been made	Vol/No.	Publication Year	Pages
1.	Thermo-chemical potential of solid waste seed biomass obtained from plant Phoenix dactylifera and Aegle marmelos L. Fruit core cell	<i>Bioresource Technology</i>	345	2022	126441
2.	Cadmium removal from aqueous solution by jackfruit seed bio-adsorbent	Springer Nature Applied Sciences	6	2020	1-10
3.	Thermal degradation of coir fiber reinforced low-density polyethylene (LDPE) composites	Science and engineering of composite materials	25	2018	363-372
4.	Hybridization effect of coir fiber on physico-mechanical properties of polyethylene-banana/coir fiber hybrid composites	Science and engineering of composite materials	25	2018	133-141
5.	. Banana Fiber Reinforced Low-density Polyethylene Composites: Effect of Chemical Treatment and Compatibilizer	Iranian Polymer Journal	25	2016	229-241
6.	Physico-mechanical properties of coir fiber/LDPE composites: Effect of chemical treatment and compatibilizer	Korean Journal of Chemical Engineering	32	2015	2534-2541

II) International Conference:

Sl. No.	Name of the Conference in which publication has been made
1.	Nirupama and D. B. Pal, “ <i>Water absorption and kinetics of treated woven jute fiber-LDPE composites</i> ”. Paper presented in 2nd International Conference on Engineering Science & Advance Research in Rama University, Utter Pradesh Kanpur UP dated on 13th-15th March, 2019.
2.	D. B. Pal, Sushant Kumar, Nirupama, P. K. Mishra, “ <i>Synthesis of PDMS membrane for recovery of Aromas from aqueous solutions</i> ”. Paper presented in 2nd International Conference on Engineering Science & Advance Research in Rama University, Utter Pradesh Kanpur UP dated on 13th-15th March, 2019.
3.	A Kumar, Niupama Prasad, A K Tiwari, Dan Bahadur Pal, “ Thermal Kinetics and Its Behavior of Waste Amaltash Seeds and Peels Biomass Using Thermo Gravimetric Analysis ”, Intl. J. Engg. Sci. Adv. Research 2020 March; 6(1): 15-22 (ISSN NO: 2395-

	0730)
4.	Nirupama, M Anand, Dan Bahadur Pal, “ Prepared Bio-adsorbent (Jackfruit Seed) for Cadmium Removal from Waste Water ”, Intl. J. Engg. Sci. Adv. Research 2020 March; 6(1): 9-14 (ISSN NO: 2395-0730)
5.	Dan Bahadur Pal, Shreya Sinha, Nirupama Prasad, “ Effect of Ammonium Phosphate on the Thermal and Flammability Behaviour of Sisal/Epoxy Composite ”, Intl. J. Engg. Sci. Adv. Research 2020 June; 6(2): 21-23 (ISSN NO: 2395-0730)

12. Conference/ Workshop/Seminar/ Organized

Sl. No.	Title of Seminar / Conferences / Short – term Courses	Name of Coordinator	Funding / Sponsoring Agency	Date of Seminar / Conferences / Short – term Courses	No. of Participants

13. Symposium/ Workshop/Seminar/ Attended

S.N	Workshop	Place	Duration
1.	Summer Training Programme on Advanced Pedagogies	IIT Hyderabad	June 10-14, 2019
2.	Faculty Induction Workshop	IIT Kharagpur	February 6-10, 2018
3.	Workshop on Industrial Process Simulation	BIT Mesra, Ranchi	May 16-20, 2018

14. Project Experience:

Sl. No.	Organization	Position	Description
1.	B.I.T. Mesra, Ranchi	PI	A research project entitled “ Development of nanofiller reinforced ionomer-based polymer nano-composite for radio freq. absorber ” under “TEQIP Collaborative Research Scheme” with a grant of ₹1460000 (Rupees Forteen Lakh Sixty Thousand Only).

15. Gate Rank: 530

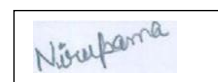
16. Personal Profile:

Father's Name	:	Arbind Prasad
Mother's Name	:	Madhuri Prasad
Date of birth	:	27.10.1985
Gender	:	Female
Category	:	GEN
Category for Jharkhand state	:	GEN
Permanent State	:	Bihar
Nationality	:	Indian
Languages Known	:	Hindi, English
Permanent Address	:	D/o Chaturabhuj Prasad Singh, Shushila Complex, Soyabapar, Ashthawan, Bihar-803107
Present address	:	Department of Chemical Engineering, BIT Sindri, Dhanbad

Declaration:

I hereby declare that the above furnished particulars are true and the best of my knowledge and belief

Place: Dhanbad



Signature