

RESUME

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5. Office Address:

Assistant Professor, Department of Chemical Engineering, BIT Sindri, Dhanbad, Jharkhand, India, 828123

6. Qualification:

S. No	Degree (UG, PG, PhD)	Specialization	Institute
1	PhD	Chemical Engineering	IIT (BHU) Varanasi, India
2	M. Tech.	Chemical Engineering	SRM University, Chennai, India
3	B.Tech.	Chemical Engineering	Acharya Nagarjuna University, Andhra Pradesh, India

7. Area of Specialization:

Air pollution control, Multi component absorption, Process Development, Energy

8. Subjects Taught:

I) UG: Chemical Engineering Thermodynamics I & II, Chemical Technology II, Mass Transfer Operations, Solution Thermodynamics, Instrumentation and Process Control, Polymer Science

II) PG: Polymer Science and Technology, Advanced Separation Processes

9. Projects sanctioned: (24.24 Lakhs)

Funding Agency	Project Name	Position	Amount in Rs
AICTE-CRS	Multi-component acidic gas absorption from coal fired thermal power plant stack gases	PI	15,45,000/-
AICTE-CRS	Development of Low-cost Dye Removal Technology from waste water by using aquatic Plants	CO-PI	8,79,000/-

10. Professional Experience:

I) Teaching Experience: (4 Years One Month)

Sl. No.	Position held	Name of Organization	From	To
1.	Guest Faculty	MNNIT Allahabad, India	31 st Jul 2017	15 th Dec 2017
2.	Assistant Professor (contract)	BIT Sindri, Dhanbad, India	3 rd Jan 2018	Present

II) Research Experience: (10 months)

Sl. No.	Position held	Name of Organization	From	To
1.	JRF	IIT (BHU) Varanasi, India	4 th Nov 2011	23 rd Sep 2012

III) Industrial Experience: (4 Months)

Sl. No.	Position held	Name of Organization	From	To
1.	Process Engineer	CHHABS Corp, Mumbai, India	1 st Jul 2011	31 st Oct 2011

11. Publications:

I) International Journal: (Total Citations: 252, h-index 7, i10-index 5)

<https://scholar.google.co.in/citations?user=rKsHagoAAAAJ&hl=en>

Sl. No.	Title of the paper	Name of the journal in which publication has been made	Vol/No.	Publication Year	Pages
1.	New experimental results of simultaneous SO ₂ and NO removal from simulated gas stream by NaClO as low-cost absorbent	Chemical Engineering Journal	217	2013	48-53
2.	Solubility SO ₂ in aqueous blend of Sodium citrate and sodium hydroxide	Fluid phase Equilibria	349	2013	56-60
3.	Removal of SO ₂ and NO by complex absorbent using wet Scrubbing	International Journal of Applied Engineering and Research	9(3)	2014	345-50
4.	Reactive absorption of NO and SO ₂ into aqueous NaClO in a counter current spray column	Asia-Pacific Journal of Chemical Engineering	11	2016	88-97
5.	New experimental data for absorption of SO ₂ into DMA solution	Environmental Progress & Sustainability Energy	35 (5)	2016	1298-1304
6.	Absorption phenomenon of (SO ₂ + NO + NaClO) system	International Journal of advance science and Engineering	5 (1)	2016	159-164
7.	Optimization of Fenton oxidation for the removal of	Perspectives in Science	8	2016	670-672

	methyl parathion in aqueous solution				
8.	Absorption of SO ₂ and NO through an integrative process with a cost-effective aqueous oxidant	Perspectives in Science	8	2016	699-701
9.	Experimental scale multi component absorption of SO ₂ and NO by NH ₃ /NaClO scrubbing	Chemical Engineering Journal	314	2017	537-547

II) International Conference:

Sl. No.	Name of the Conference in which publication has been made
1.	C.V. Raghunath and M.K. Mondal, Presentation in ICEMS – 2016, 17-19th Mar 2016 at JNU, Jaipur, Rajasthan.
2.	C.V. Raghunath and M.K. Mondal, Presentation in ICRISEM–2016, 26-27th Feb 2016 at SVET, Srikakulam, Andhra Pradesh.
3.	C.V. Raghunath and M.K. Mondal, Poster presentation on Institute day 2015, IIT (BHU) Varanasi.
4.	C.V. Raghunath and M.K. Mondal, Presentation in SITCEE – 2014, 4-5th Jan 2014 at JNU, New Delhi.
5.	R. Saini, C.V. Raghunath P. Pandey and P. Kumar, Presentation in ICEMS – 2016, 17-19th Mar 2016 at JNU, Jaipur, Rajasthan.
6.	P. Pandey, R. Saini, C.V. Raghunath and P. Kumar, Presentation in ICEMS – 2016, 17-19th Mar 2016 at JNU, Jaipur, Rajasthan.

12. Conference/ Workshop/Seminar/ Organized

Sl. No.	Title of Seminar / Conferences / Short – term Courses	Role	Funding / Sponsoring Agency	Date of Seminar / Conferences / Short – term Courses	No. of Participants
1.	Role of Chemical engineer in Environmental Protection, RCEEP-2018	Coordinator	TEQIP III, BIT Sindri, India	Oct 5-6, 2018	49
2.	Chemical Process Industries Current Scenario and & Carrier Opportunities	Coordinator	BIT Sindri, India	Aug, 31 to Sep 04, 2020	84
3.	HACKATHON-2021	Co-Coordinator	ACC, BIT Sindri, India	March 20-21, 2021	62

13. Administrative Positions Held:

Sl. No.	Position	From Date
1.	NAAC Institutional Core Coordinator, BIT Sindri	26 th Aug 2020 to Present
2.	NBA Department Coordinator, BIT Sindri	27 th Jan 2018 to Present
3.	NBA First Year Coordinator, BIT Sindri	8 th Apr 18 to 12 th Mar 20
4.	Institutional NIRF Coordinator, BIT Sindri	Academic Session 2020-21
5.	Annual Report Coordinator (Prepared), BIT Sindri	Academic Session 2018-19 Academic Session 2019-20
6.	BITS Vison 2030 Member (Prepared), BIT Sindri	October 2020 to Present
7.	PIC PRE lab, Chem. Eng., BIT Sindri	05 th Jan 2018 to Present
8.	PIC PDC lab, Chem. Eng., BIT Sindri	05 th Jan 2018 to Present
9.	PIC Computer lab, Chem. Eng., BIT Sindri	01 st Nov 2019 to Present
10.	PIC Library, Chem. Eng., BIT Sindri	01 st Nov 2019 to Present
11.	PIC Characterization lab, Chem. Eng., BIT Sindri	01 st Nov 2019 to Present

14. Labs Developed/Upgraded:

Sl. No.	Position	Period
1.	IO, Procurement of Tri cycles for pH Candidates, NAAC Coordinator, BIT Sindri	Academic Session 2020-21
2.	Characterization Lab Establisbent, Chem. Eng., BIT Sindri	Academic Session 2020-21
3.	Computer lab Upgradation, with PC (20 Nos), Chem. Eng., BIT Sindri	Academic Session 2020-21
4.	Library Upgradation, with books (450 Nos), Chem. Eng., BIT Sindri	Academic Session 2020-21

15. Symposium/ Workshop/Seminar/ Attended

Sl. No.	Title of Symposium/ Workshop/Seminar/ Short – term Courses	Date	Organizing Institute
1.	Advances in Solid Fuel processing and conversion Technologies	Jan 29-30, 2018	Chemical Engineering Department, IIT (ISM), Dhanbad, India
2.	Faculty Induction workshop sponsored by NPIU	Feb 6-10, 2018	IIT Kharagpur, India
3.	Workshop on outcome-based education and accreditation	Mar 16-17, 2018	BIT Sindri, Dhanbad, India
4.	FAPSIPI-2018	Oct-29 to Nov 2, 2018	Chemical Engineering Department, BIT Sindri, Dhanbad, India

16. Project Experience:

Sl. No.	Organization	Position	Description
1.	IIT(BHU) Varanasi, India	PhD Scholar	Research and development regarding Simultaneous removal of SO ₂ and NO from simulated gas stream from September 2012 to July 2017.
2.	SRM University, Chennai, India	M-tech student	Research and development regarding Extraction of Ben oil from Moringa Oleifera seed and reuse of extracted waste for Waste Water Treatment from July 2010 to April 2011.
3.	M/S ONGCL Nagaram, Mamidikuduru Mandalam, E.G.Dt. Andhra Pradesh	Summer trainee	Collection of Petroleum and separation in to products from Crude oil in April to June 2008.