



## BIO-DATA

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Qualification : M.Sc, UGC-SLET, M.Phil, Ph.D (IIT-ISM, Dhanbad)  
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Renewal Energy  
Subject Taught in UG : Engineering Chemistry, Environmental Science  
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Google Scholar ID : <https://scholar.google.co.in/citations?user=TeQJkPYAAAAJ&hl=en>  
Ph.D Guided : 01 (Degree Awarded)

S.No	Name of the candidate	Title of the Thesis	Year	Supervisor/ Co-Supervisor
1	Rajan kumar Department of Mechanical Engineering, BIT Sindri	Performance evaluation of plastic waste oil and biofuel blends as an alternative fuel for I.C. Engine	January, 2017  [Degree awarded by Vinoba Bhave University, Hazaribag , Jharkhand]	Supervisor: Prof.(Dr) S.K.Singh, former Director, BIT Sindri <b>Co-Supervisor:</b> <b>Dr. Manoj Kr Mishra</b> , Department of Chemistry, BIT Sindri

S.No	Name of the candidate	Title of the Thesis	Year/University	Supervisor/ Co-Supervisor
1	Sonu Pal Department of Civil Engineering, BIT Sindri	Experimental Investigation of Mechanical Properties and Chemical Treatment of Polyester Fiber Reinforcement Concrete	December,2016 [Degree awarded by Vinoba Bhave University, Hazaribag.]	Supervisor: Dr. V.Pandey, Department of Civil Engineering, BIT Sindri <b>Co-Supervisor: Dr. Manoj Kr Mishra, Department of Chemistry, BIT Sindri</b>
2	Krishna Keshav Department of Civil Engineering, BIT Sindri	Stabilisation of Soil Using Sodium Hydroxide Additive	March,2019 [Degree awarded by Vinoba Bhave University, Hazaribag.]	Supervisor: Prof. J.P. Singh, Department of Civil Engineering, BIT Sindri <b>Co-Supervisor: Dr. Manoj Kr Mishra, Department of Chemistry, BIT Sindri</b>
3	Dheeraj Kumar Department of Civil Engineering, BIT Sindri	Stabilisation of Soil Using Sodium Hydroxide Treated Polypropylene Fibre	March,2019 [Degree awarded by Vinoba Bhave University, Hazaribag.]	Supervisor: Prof. A.K. Singh, Department of Civil Engineering, BIT Sindri <b>Co-Supervisor: Dr. Manoj Kr Mishra, Department of Chemistry, BIT Sindri</b>
4	Awdhesh Kumar Prasad Department of Mechanical Engineering, BIT Sindri	Performance and Emission Study of Waste Transformer Oil and Their Blends on C.I.Engine	March,2019 [Degree awarded by Vinoba Bhave University, Hazaribag.]	Supervisor: Dr. Rajan Kumar Department of Mechanical Engineering, BIT Sindri <b>Co-Supervisor: Dr. Manoj Kr Mishra, Department of Chemistry, BIT Sindri</b>
5	Sumit Kr Pathak Civil Engineering Department	Soil Stability investigation with Shredded tyre using lime	Jan,2020 [Degree awarded by Vinoba Bhave University, Hazaribag.]	Supervisor: Prof .J.P.Singh, Department of Civil Engineering , BIT Sindri ; <b>Co-Supervisor: Dr. Manoj Kr Mishra, Department of Chemistry, BIT Sindri</b>
6	Madhusudhan Ojha Mechanical Engineering Department	Synthesis and Performance analysis of waste cooking oil biodiesel and its blend	Jan,2020 [Degree awarded by Vinoba Bhave University, Hazaribag.]	Supervisor: Dr. Rajan Kumar Department of Mechanical Engineering , BIT Sindri <b>Co-Supervisor: Dr. Manoj Kr Mishra, Department of Chemistry, BIT Sindri</b>
7	Niket Kumar Mishra	Stabilisation of red soil using treated polypropylene fibre	April'2021 [Degree awarded by Jharkhand University of Technology , Ranchi ]	Supervisor: Prof .J.P.Singh, Department of Civil Engineering , BIT Sindri ; <b>Co-Supervisor: Dr. Manoj Kr Mishra, Department of Chemistry, BIT Sindri</b>
8	Mrityunjay Kumar Bauri	Stabilisation of Clayey soil using gypsum and sodium chloride	April'2021 [Degree awarded by Jharkhand University of Technology , Ranchi ]	Supervisor: Prof .J.P.Singh, Department of Civil Engineering , BIT Sindri ; <b>Co-Supervisor: Dr. Manoj Kr Mishra, Department of Chemistry, BIT Sindri</b>

### Research Publication in SCI/Scopus/UGC/UGC-CARE/ approved Journals

S. N	Title of the paper	Journal Name	Year	Vol. No/ Issue	Page No.	Reference SCI/Scopus / UGC CARE Indexed	Authorship
1	Mass Spectroscopic (FAB-Mass) studies of chromium trioxide-organic acid complexes	Journal of Advanced Scientific Research; ISSN 0976-9595 UGC-CARE Approved	Mar 2021	12(1) Suppl	192-196	UGC-CARE list	<b>M.K.Mishra</b>
2	Stabilization of Red Soil using Potassium Hydroxide Treated Polypropylene Fiber	International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878 Scopus Indexed	May 2020	9(1)	866-870	Yes <a href="https://www.scopus.com/sourceid/21100889873">https://www.scopus.com/sourceid/21100889873</a> Scopus Coverage Year 2018 to 2019	Niket Kumar Mishra, <b>M.K. Mishra</b> , J.P. Singh
3	Stabilisation of Clayey Soil with Shredded Tyre using Lime	International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Scopus Indexed	April 2020	9 (4)	1732-1737	Yes <a href="https://www.scopus.com/sourceid/21100899502">https://www.scopus.com/sourceid/21100899502</a> Scopus Coverage Year 2018 to 2019	Sumit Kumar <b>M.K.Mishra</b> J.P.Singh
4	Stability Investigation of Clayey Soil using Shredded Tyre and Lime	International Journal of Advanced Scientific Research and Management (IJASRM) ISSN: 2455-6378	Oct 2019	10(4)	31-37	UGC Approved Journal No.63502	Sumit Kumar, J.P. Singh and <b>M.K. Mishra</b>
5	Waste cooking oil Biodiesel and its Blends as an alternative fuel for C.I engine	International Journal for Research in Engineering Application & Management (IJREAM) ISSN: 2454-9150	Oct 2019	5(7)	97-100	UGC Approved Journal No.64077	M.Ojha, Rajan Kr and <b>M.K.Mishra</b>
6	Effect of Sodium hydroxide treated polypropylene fiber on stabilisation of soil	International Journal of Advanced Scientific Research and Management (IJASRM) ISSN: 2455-6378	Dec 2018	3(12)	143-148	UGC Approved Journal No.63502	Dheeraj Kumar, A.K.Singh, <b>M.K.Mishra</b> , J.P. Singh

7	FTIR spectroscopy Investigation of waste transformer oil as an alternative fuel for CI Engine	International Journal of Advanced Scientific Research and Management (IJASRM) ISSN: 2455-6378	Sept. 2018	3(9)	195-198	UGC Approved Journal No.63502	Awadhesh Kumar Prasad, Rajan Kumar, <b>M.K.Mishra</b>
8	Stabilisation Of Soil Using Sodium Hydroxide Additive	International Journal for Research in Engineering Application & Management (IJREAM) ISSN: 2454-9150	May 2018	4(2)	328-332	UGC Approved Journal No.64077	Krishna Keshav, <b>M.K. Mishra</b> , J.P. Singh
9	Waste Transformer Oil As Alternative Fuel For CI Engines: A Review	International Journal of Research in Engineering & Advanced Technology (IJREAT) ISSN : 2320-8791	April-May 2018	6(2)	138-142	UGC Approved Journal No. 64742	Awdhesh Kumar Prasad , Rajan Kumar , <b>M.K.Mishra</b>
10	Stabilisation Of Soil Using Sodium Hydroxide Treated Polypropylene Fiber	International Journal for Research in Engineering Application & Management (IJREAM) ISSN: 2454-9150	May 2018	4(2)	333-337	UGC Approved Journal No.64077	Dheeraj Kumar, <b>M.K.Mishra</b> , A.K. Singh, J.P. Singh
11	Spectral Charaterisation, Thermal decomposition and Kinetic Study of Chromium (III) Complexes with Salicylic acid	Rasayan Journal of Chemistry (RJC) ISSN: 0974-1496 Scopus Indexed	Oct.-Dec 2018	11(4)	1393-1398	<a href="https://www.scopus.com/sourceid/19400157518">https://www.scopus.com/sourceid/19400157518</a> Scopus coverage years: from 2008 to Present	<b>M.K.Mishra</b>
12	Environmental Aspect of Kerosene Blended Waste plastic oil When Fueled In Diesel Engine	Star International Journal ISSN: 2321 – 676X	Nov. 2017	5 11(1)	1-5	UGC Approved Journal No. 63023	Rajan Kumar <b>M.K.Mishra</b>

13	Performance and Emission Study of Raw Karanja Oil on a Single Cylinder Diesel Engine	International Journal of Research in Mechanical and Civil Engineering (IJERMCE) ISSN (Online) 2456-1290	Aug-Sept. 2017	2(7)	47-52	Seminar Paper Published in Journal	Rajan Kumar <b>M.K.Mishra</b>
14	Performance Aspect Of Kerosene Blended Waste Plastic Oil When Fueled In Diesel Engine	International Journal of Research in Engineering & Advanced Technology, (IJREAT) ISSN: 2320 – 8791	Aug-Sept. 2017	5(4)	105-110	UGC Approved Journal No. 64742	Rajan Kumar <b>M.K.Mishra</b>
15	Preparation of Chromium (III) Phthalate via Chromium (VI) Oxide using tertiary amyl alcohol as a solvent	Oriental Journal of Chemistry ISSN: 0970-020 X	May-June 2017	33(3)	1375-1380	UGC Approved Journal No. 36632 Part of Web of Science <a href="https://mjl.clarivate.com/search-results">https://mjl.clarivate.com/search-results</a> Emerging Sources Citation Index	<b>Manoj Kumar Mishra</b>
16	Experimental Comparison Of Performance Characteristics Of A Single Cylinder Diesel Engine Fueled With Jatropha Biodiesel-Diesel And Kerosene Oil-Jatropha Biodiesel-Diesel Blends	International Journal Of Mechanical Engineering & Technology (IJMET) ISSN 0976-6340(Print) ISSN 0976-6359(Online)	Sept.-Oct. 2016	7(5)	321-329	-----	Rajan Kumar <b>M.K.Mishra</b> S.K.Singh & Arbind Kr
17	Fourier Transform Infrared Spectrophotometry Studies Of Jatropha Biodiesel And Its Blends For Engine Performance	International Journal Of Mechanical Engineering & Technology (IJMET) ISSN 0976-6340(Print) ISSN 0976-	Sept.-Oct. 2016	7(5)	330-335	-----	Rajan Kumar <b>M.K.Mishra</b> S.K.Singh & Arbind Kr

		6359(Online)					
18	Effects Of Alkaline Curing On The Properties Of Polyester Fibre Reinforced Concrete	International Journal of Civil Engineering & Technology (IJCIET) ISSN(Online) : 0976-6316 ; ISSN (Print) : 0976-6308	July-Aug. 2016	7(4)	506-512	-----	Sonu Pal, <b>M.K.Mishra</b> , V.Pandey
19	Experimental Evaluation Of Waste Plastic Oil and Its Blends On A Single Cylinder Diesel Engine	Journal of Mechanical Science and Technology ISSN 1738494X(Print) ISSN 19763824(Online) SCI	Oct. 2016	30(10)	4781-4789	<a href="https://www.springer.com/journal/12206">https://www.springer.com/journal/12206</a>  Science Citation Index Expanded	Rajan kumar, <b>M. K. Mishra</b> , S. K. Singh, Arbind Kumar
20	Fourier Transform Infrared Spectrophotometry (FTIR) Studies of Chromium Trioxide-phthalic Acid Complexes	Chemical Science Transactions ISSN: 2278- 3318 (Online), 2278-3458 (Print)	July-Sept. 2016	5(3)	770-774	UGC Approved Journal Journal No. 47152	<b>M K Mishra</b>
21	Effects Of Acidic Curing On The Properties Of Untreated and Treated Polyester Fibre Reinforced Concrete	International Journal of Civil Engineering & Technology (IJCIET) ISSN(Online) : 0976-6316 ; ISSN (Print) : 0976-6308	May-June 2016	7(3)	182-191	-----	Sonu Pal, <b>M.K.Mishra</b> , V.Pandey
22	Effects of Surface Treatment of Polyester Fibre on Properties of Concrete	International Journal of Innovative Research in Science, Engineering and Technology ISSN(Online) : 2319-8753 ISSN (Print) : 2347-6710	May 2016	5(5)	8341-8350	UGC Approved Journal No. 48027	Sonu Pal, <b>M.K.Mishra</b> , V.Pandey

23	Preparation, Spectral and Thermal Decomposition Characteristics of Chromium Complexes of Phthalic Acid	Chemical Science Transactions, ISSN:2278-3318(Online) ISSN: 2278-3458(Print) DOI:10.7598/cst2015.1076	July-Sept. 2015	4(3)	828-837	UGC Approved Journal No. 47152	<b>M.K.Mishra</b>
24	Experimental Comparison of Performance Evaluation and Emission Characteristics of A Single Cylinder Diesel Engine Fueled With Jatropha Biodiesel Diesel And Waste Plastic Oil-Diesel Blends	International Journal Of Mechanical Engineering & Technology (IJMET) ISSN 0976-6340(Print) ISSN 0976-6359(Online)	Nov. 2015	6(11)	183-194	-----	Rajan Kumar <b>M.K.Mishra</b> S.K.Singh Arbind Kumar
25	Performance and Emission Study Of Waste Plastic Oil And Diesel Blend In D.I. Single Cylinder Diesel Engine	International Journal Of Mechanical Engineering & Technology (IJMET) ISSN 0976-6340(Print) ISSN 0976-6359(Online)	April 2014	5(4)	90-95	-----	Rajan Kumar <b>M.K.Mishra</b> S.K.Singh Arbind kumar
26	Performance And Emission Of Jatropha Biodiesel and Its Blends On C.I. Engine	International Journal Of Mechanical Engineering & Technology (IJMET) ISSN 0976-6340(Print); ISSN 0976-6359(Online)	May-June 2013	4(3)	85-93	-----	Rajan Kumar, <b>Dr. Manoj K Mishra</b> and Dr Shyam K Singh
27	Assessment Of Water Quality For Damodar River In Bokaro District, Jharkhand, India	International Journal of Applied Biology and Pharmaceutical Technology ISSN 0976-4550	Jan-March 2012	3(1)	224-230	UGC Approved Journal No. 46593	Ratna Mishra, <b>M.K.Mishra,</b> and R .N. Upadhaya

28	Charaterisation and Effect of Using Waste Polyethylene Oil and Diesel Fuel Blends in Compression Ignition Engine	Journal of Biofuels Print ISSN 0976-3015 Online ISSN 0976-4763 DOI:10.5958/j.0976-4763.3.2.008	2012	3(2)	79-87	UGC Approved Journal No. 21602	Rajan Kumar, S.K.Singh, Arbind Kumar and <b>M.K.Mishra</b>
29	Physico-Chemical Study of Damodar River water of Bokaro District, Jharkhand	International Journal of Agriculture Environment & Biotechnology ISSN: 0974-1712	March 2011	4(1)	5-8	NAAS Rating: 3.9	R.Mishra, <b>M.K.Mishra</b> & R.N.Upadhyay
30	Thermal Decomposition Kinetics of Labile Chromium Complex with Benzoic Acid	E-Journal of Chemistry ISSN : 0973-4945  Volume 8  Article ID 215012   <a href="https://doi.org/10.1155/2011/215012">https://doi.org/10.1155/2011/215012</a> SCI	2011	8(2)	513-516	<a href="https://www.hindawi.com/journals/jchem/2011/215012">https://www.hindawi.com/journals/jchem/2011/215012</a>	<b>M.K.Mishra</b> , N.M.Misra
31	Seasonal Variation in Different Physico-Chemical Characterisation of Damodar River water Quality in Bokaro District, Jharkhand	J. Inst. Chemists (India) ISSN: 0020-3254	2010	82(3)	86-93	UGC Approved Journal No. 11085	R.Mishra, R.N.Upadhyay and <b>M.K.Mishra</b>
32	Abiotic Study of water pollution of water pollution of Kanke Dam, Ranchi	International Journal of Agriculture Environment & Biotechnology ISSN: 0974-1712	2009	4(2)	57-62	ISSN: 0974-1712 UGC Approved Journal No. 2532 NAAS Rating: 3.9	U.K.Singh, R.P.Sharma, R.K.Singh and <b>M.K.Mishra</b>
33	Preparation, Spectral and Thermal Decomposition kinetics of Chromium Complex with benzoic acid	J. Inst. Chemists (India) ISSN: 0020-3254	2008	80(5)	129-133	UGC Approved Journal No. 11085	<b>M.K.Mishra</b> , N.M.Misra, R.K.Singh and R.Mishra



34	Thermal Analysis of a Chromium trioxide-benzoic acid complex	J. Inst. Chemists (India) ISSN: 0020-3254	2005	77(4)	105-107	UGC Approved Journal No. 11085	<b>M.K.Mishra,</b> N.M.Misra, R.K.Singh and R.Mishra
35	Differential Scanning Calorimetric Studies of polypropylene for fiber reinforced concrete	J. Inst. Chemists (India) ISSN: 0020-3254	2005	77(5)	157-160	UGC Approved Journal No. 11085	<b>M.K.Mishra</b>
36	Kinetic Characterisation of Chromium Complexes with benzoic and salicylic acid	J. Inst. Chemists (India) ISSN: 0020-3254	2005	77(6)	173-177	UGC Approved Journal No. 11085	<b>M.K.Mishra,</b> N.M.Misra, R.K.Singh and R.Mishra
37	Thermal Analysis of a Chromium trioxide salicylic acid complex	J. Inst. Chemists (India) ISSN: 0020-3254	2004	76(4)	99-101	UGC Approved Journal No. 11085	<b>M.K.Mishra,</b> N.M.Misra, R.K.Singh and R.Mishra

### Full Paper in International/National Seminar/Conference

#### Full Papers in Conference Proceedings

S.No	Title of Paper	Seminar Proceeding Details	Pub. Year	Pages No	Auth/Name
1	Performance and Emission Study of Raw Karanja Oil on a Single Cylinder Diesel Engine [Full Paper] ISSN: 9788192858002	Proceeding for International Conference on Science, Engineering & Technology(ICSET) 09 <sup>th</sup> July 2017, Mumbai Published by South Asia Institute for Research and Publication (SAIRAP) International Conference	2017	44-48	Rajan Kumar , <b>M.K.Mishra</b>
2	Opportunities And Challenges In Using Renewal Energy Sources- In Indian Scenario [Full Paper] ISBN 978-93-5268-009-2	NATIONAL CONFERENCE on Advances in Environment Friendly Technology & Their Management 29- 30 April, 2017 Organised by Government Women's Polytechnic, Ranchi Sponsored by Jharkhand Council on Science & Technology and Innovation, Ranch (Dept of Higher & Technical Education, Jharkhand, Govt. of Jharkhand, Ranchi)	2017	9-13	Rajan Kumar , <b>M.K.Mishra</b>
3	Need of Smart Cities for urban Development in India [Full Paper] ISSN: 0973-7057	Proceeding of National Seminar on Smart City and Its Impact on Environment & Urban Ecosystem , NSSCIEUE-24 <sup>th</sup> & 25 <sup>th</sup> June 2016; Published in Biospectra ,(An International Biannual Refereed Journal of Life Science)	2016	9-12	Rajan Kumar, <b>M.K.Mishra,</b> S.K.Singh, Arbind Kumar and Pankaj Rai

		(ISSN: 0973-7057) , June2016 , Vol. 11(2)			
4	Waste Plastic Oil as an Alternative Fuel for Diesel Engine [Full Paper] ISBN: 978-93-85777-28-8	National Seminar on Environmental Issues: Protection, Conservation and Management (EIPCM) Organized by Department of Mining Engineering & Geology, BIT Sindri on February 26 – 27, 2016	2016	260-264	Rajan Kumar, <b>M.K.Mishra</b> , S.K.Singh and Arbind Kumar
5	Experimental Investigation on the Performance and Emission Characteristics of Jatropa Oil on CI Engine.[Full Paper] ISBN: 978-93-82880-18-9	National Seminar on Energy and Environment for Sustainability (EES2013) Organised by Mechanical & Electrical Engg Department & Geology, BIT Sindri ,Dhanbad on March16-17,2013	2013	120-123	Rajan Kumar, S.K.Singh, Arvind Kumar and <b>M.K.Mishra</b>
6	Scope of Fly Ash Utilization in Indian Cement Industries [Full Paper] ISBN: 978-93-82880-18-9	National Seminar on Energy and Environment for Sustainability (EES2013) Organised by Mechanical & Electrical Engg Department & Geology, BIT Sindri ,Dhanbad on March16-17,2013	2013	229-231	P.K Mandal, <b>M.K.Mishra</b> and K.Kumar

**Papers presented/Attended in workshop, symposia  
(Less than one week duration)**

S.No	Name of the Programme/workshop	Place/Venue	Duration	Sponsoring Agency
1	Online NPTEL E-Awareness workshop on May 05, 2021	IIT Madras	One day	NPTEL
2	online 3 Day workshop on Chemistry Laboratory Experiments using Chem Collective Virtual Lab from 25 February to 27 February 2021	IIT Bombay	3 day	Funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), MoE, Govt. of India
3	One Day Online National Workshop entitled “ICT Tools For Chemistry Teachers” 2 <sup>nd</sup> February 2021	University of Delhi	One day	Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT)
4	2-day National Seminar (web) on Ancient Indian Education system 11th & 12th November, 2020	NITTTR,Kolkata (Online)	Two days	Organised by NITTTR,Kolkata
5	National webinar on Indigenous Instrumentation for Nano-Technology on 11.9.2020	BIT Sindri (Online)	One day	Organised by Metallurgical Engineering, BIT Sindri, Dhanbad
6	One Day Faculty Development Programme on Free Open Source Tools for Education and Research on 07.07.2020	BIT Sindri (Online)	One day	Jointly organised by BIT Sindri, Dhanbad and FOSSEE, IIT Bombay
7	Webinar on Virtual Lab on 29.6.20	BIT Sindri	One day	Jharkhand Education

		(Online)		Grid Jharkhand University of Technology, Ranchi and BIT Sindri
8	Webinar on We Are Stronger Together on 6.6.20	New Delhi (Online)	One day	Institute of Computer Applications and Management (BVICAM) New Delhi
9	NATIONAL VIRTUAL SEMINAR “The Rhetoric and Reality of Capital Punishment in India on 05.06.2020	Bhopal (M.P.) (Online)	One day	Organised by Govt. Narmada College Hoshangabad, Dist. Hoshangabad M.P.)
10	Webinar on Structure of Skill Education for Self Reliant Bharat on 04.06.2020	Satna (M.P) (Online)	One day	Organised by Mahatma Gandhi Chitrakoot Gramodaya Vishwavidyalaya Chitrakoot, Satna (M.P.)
11	Webinar on Insights to Industry 4.0 on 29.5.20	Chennai (Online)	One day	Organised by S.A. Engineering College , Chennai
12	National Webinar on The Role of Positive Thinking in Current Perspective on 26.5.2020	Dhamnod , ( M.P) (Online)	One day	Organised by Maa Narmada Mahavidyalaya, Dhamnod , M.P
13	National Webinar on “Post Covid - 19 : Food Hygiene & Food Safety for Migrants and Opportunities for Startup of Agro Food Industries on 25.5.2020	Satna (M.P.) (Online)	One day	Organised by Faculty of Engineering & Technology, Mahatma Gandhi Chitrakoot Gramodaya Vishwavidyalaya Chitrakoot, Satna (M.P.)
14	National Webinar on Explore the world of Electronic media , on 24.05.2020	Dhamnod , (M.P) (Online)	One day	Organised by Maa Narmada Mahavidyalaya, Dhamnod , M.P
15	National Webinar on Virtual Teaching Learning with Google Classroom , Google Meet & YouTube on 18.5.2020	Jhansi, Uttar Pradesh (Online)	One day	SPIU , Uttar Pradesh TEQIP-III
16	National Webinar on Post Covid-19: Innovative Approaches for Rural Transformation on 16.5.2020	Satna Madhya Pradesh (Online)	One day	Organised by MGCG Vishwavidyalaya, Satna Madhya Pradesh
17	Two Days online workshop on Patent Drafting and Processing with Importance of Trademark and	(Online)	Two days	Organised by Journal of Advanced Engineering

	copyright on 8 <sup>th</sup> & 9 <sup>th</sup> May, 2020			Research
18	National Webinar on Virtual Lab on 16.04.2020	Ayodhya, Uttar Pradesh (Online)	One day	SPIU , Uttar Pradesh TEQIP-III
19	Workshop on Water scenario of Dhanbad District: Emerging challenges on 22 <sup>nd</sup> July, 2019	BIT Sindri	One day	Sponsored by TEQIP Phase III
20	Workshop on Outcome Based Education (OBE) and Accreditation on March 16&17, 2018	BIT Sindri	Two Days	Sponsored by TEQIP Phase III
21	National Conference on Science and Technology of Special Steels & Nanomaterials on 17 <sup>th</sup> and 18 <sup>th</sup> February,2018	BIT Sindri	Two Days	Jointly Organised by Department of Metallurgical Engineering, BIT Sindri in association with RDCIS, SAIL, Ranchi
22	National Seminar on Techno-nationalistic Interventions for Enhancing Innovativeness on December 11, 2017 Organizing Committee Member:	BIT Sindri	One day	Jointly Organised by BIT Sindri and Swadeshi Jagaran Manch
23	R&D activities of SAC through RESPOND on March 23,2017	IIT(ISM) Dhanbad	One day	Jointly Organised by RESPOND @Space Application Centre (ISRO), Ahmadabad and IIT(ISM)Dhanbad
24	National Seminar on New Route and Challenges of Chemical Science on 21-22 September, 2011	Organised by Deptt of Chemistry, GB College, Naugachia, T.M. Bhagalpur University, Bhagalpur	Two days	Sponsored by CSIR & BCST and Co-sponsored by Indian Chemical Society, Kolkata
25	National seminar on recent trends in emerging frontiers of physical sciences on November 02-03, 2009	Jointly Organised by Sindri College Sindri and BIT, Sindri	Two days	Sponsored by University Grants Commission, ERO, Kolkata & Vinoba Bhave University, Hazaribag
26	International Conference on Recent Treands in Life Science Researchers vis-à-vis Natural Resources Management, Sustainable Development and Human Welfare on June 27-29, 2009	Organized by Vinoba Bhave University, Hazaribag, Jharkhand	Three days	Sponsored by HRD,DST, Govt. of Jharkhand, CSIR, New Delhi & International Society for Ecological Communications
27	National conference on recent advances in environmental Biotechnology for forest and Bio-diversity Management on March 7 <sup>th</sup> -8 <sup>th</sup> , 2006	Ranchi	Two days	Sponsored by NAEB, Ministry of Environment and Forestry, Govt. of India
28	National seminar on importance of	Ranchi	Two days	Sponsored by

	medicinal plants cultivation in promoting the rural economy and supporting rural health care system on March 11 <sup>th</sup> -12 <sup>th</sup> , 2006			National Medicinal Plants Board, Govt. of India
29	National conference on Population Growth & Biodiversity loss: A Bio-Social Approach on February 18 <sup>th</sup> - 19 <sup>th</sup> , 2005	Ranchi	Two days	Sponsored by UGC,ERO Kolkata
30	National Seminar on Instrumental Techniques in Chemical Analysis on September 15 <sup>th</sup> -16 <sup>th</sup> , 2001	ISM Dhanbad	Two days	Organized by the Department of Applied Chemistry, Indian School of Mines, Dhanbad

Refresher Course/Short Term course attended / Training Courses, Teaching – Learning – Evaluation Technology Programmers, Faculty Development Programmes (Not less than one week duration)

S.N	Name of the Course / Summer School	Place/ Venue	Duration	Sponsoring Agency/ Organised by
1	Indian Institute of Space Science and Technology, IIST	Online Elementary FDP on “ Life Skill Management”	One Week 12.07.21 to 16.7.21	AICTE Training And Learning (ATAL) Academy ,New Delhi
2	Choice Based Credit System (CBCS) and Student’s Performance Evaluation	NITTTR, Kolkata (Online)	One Week 04/01/2021 to 08/01/2021	NITTTR, Kolkata
3	Laboratory Safety Management	NITTTR, Kolkata (Online)	One Week 14/12/2020 to 18/12/2020	NITTTR, Kolkata
4	Emotional Intelligence	NIT Hamirpur, H.P (Online)	One Week 19/10/2020 to 23/10/2020	AICTE Training And Learning (ATAL) Academy ,New Delhi
5	ICT Tools for Teaching and Learning	NITTTR, Kolkata (Online)	Two Weeks 05/10/2020 to 16/10/2020	NITTTR, Kolkata
6	Alternate Fuels: Biofuels	Gurukula Kangri Vishwavidyala, Haridwar (Online)	One Week 21/09/2020 to 25/09/2020	AICTE Training And Learning (ATAL) Academy ,New Delhi
7	Essentials of Strategic Management	NITTTR, Kolkata (Online)	One Week 07/09/2020 to 11/09/2020	NITTTR, Kolkata
8	Fundamentals of OBE	NITTTR, Kolkata (Online)	One Week 31/08/2020 to 04/09/2020	NITTTR, Kolkata
9	NBA Accreditation	NITTTR, Bhopal (Online)	One Week 10/08/2020 to 14/08/2020	NITTTR, Bhopal
10.	Skill based Teaching and Learning	NITTTR, Bhopal (Online)	One Week 03/08/2020 to 07/08/2020	NITTTR, Bhopal
11	Engineering, Physical Sciences and Management	BVICAM, New Delhi (Online)	Two Weeks Online Refresher Course from 22 <sup>nd</sup> June-04 <sup>th</sup> July,2020	In collaboration with AICTE , New Delhi, ISTE , New Delhi
12	Emerging Research Trends in Computer Science & IT	BVICAM, New Delhi (Online)	Two Weeks FDP From 8 <sup>th</sup> -19 <sup>th</sup> June2020	In collaboration with AICTE , New Delhi, ISTE , New Delhi
13	Emerging IT Technologies	MNNIT Allahabad, Prayagraj (Online)	One Week From 29.5.2020 to 02.6.2020	Organised by Computer Science & Engineering , MNNIT Allahabad, Prayagraj
14	Learning , Pedagogy and	ASMA	One Week	Adoption of Social Media

	Effective Use of Case Methodology	(Online)	From 17.5.2020 to 21.5.2020	in Academia (ASMA)
15	Blockchain & Its Application	NIT Patna (Online)	One Week FDP From 04.05.2020 to 10.05.2020	Organized by Electronics & ICT Academies, NIT Patna
16	Laboratory Experiments on Engineering Chemistry	NITTTR, Kolkata	1 Week from 01.07.19 to 05.07.19	NITTTR, Kolkata
17	Recent Advances in Manufacturing	BIT Sindri	1 Week , From 27.11.18 to 01.12.18	Sponsored by TEQIP-III
18	Summer Training Programme on “Active Learning”	IIT , Gandhinagar	1 Week from 18.6.18 to 22.6.18	Knowledge Network of IIT GN Under TEQIP III
19	“ ANN and Deep Learning”	BIT Sindri	1 Week from 11.6.18 to 15.6.18	E&ICT Academy, NIT Patna
20	“ ICT Skills for Teachers”	BIT Sindri	1 Week , from 19.06.17 to 24.06.17	Meity, Govt. of India/ NIT Patna
21	“Strategic Management Issues in Technical Education System”	NITTTR, Kolkata	1 Week , from 01.05.17 to 05.05.17	NITTTR, Kolkata
22	Personality Development	BIT Sindri	2 weeks from 26.10.15 to 06.11.15	ISTE, New Delhi
23	Performance Enhancement Skills	BIT Sindri	2 weeks from 23.7.12 to 03.8.12	ISTE, New Delhi
24	“River Water Clarification for Potable Use”	NITTTR, Kolkata	1 Week from 11.7.11 to 15.7.11	NITTTR, Kolkata
25	Refresher Course in Environmental Science, entitle “Environment, Technology and Sustainable Development”,	Rani Durgawati Vishwavidyalaya, Jabalpur	3 weeks from 06.12.10 to 24.12.10	UGC-Academic Staff College, Rani Durgawati Vishwavidyalaya, Jabalpur
26	Refresher Course in “Environmental Studies”	Ranchi University, Ranchi	3 weeks from 05.03.10 to 25.03.10	UGC-Academic Staff College, Ranchi University, Ranchi
27	Training on Pedagogy II	BIT Sindri, Dhanbad	1 Week from 14.10.08 to 19.10.08	TEQIP CELL, BIT Sindri, Dhanbad
28	Staff development Programme on “ Selection of Steels for Engineering Application”	ISM Pundag, Ranchi	2 weeks from 04.06.07 to 17.06.07	AICTE, New Delhi
29	Staff development Programme on “ Selection of Steels for Engineering Application”	NIFFT Hatia, Ranchi	2 weeks From 12.02.07 to 23.2.07	AICTE, New Delhi

### MOOCs completed with e-certification

S.No	Details of MOOC	Subject	Certificate providing agency	Date of Certificate	Level UG/PG/Others	E-certification no.
1	Swayam Online Course Certification	Academic and Research Report Writing (Two Credit Course)	NITTTR, Kolkata	16.08.2021	Faculty	Exam ID : 4010214148

**Professional Membership:**

<b>Sr No.</b>	<b>Professional Development Activities</b>	<b>Membership type</b>
1	Life member of Institution of Chemist(India) Membership No.LM212(9)/5486	Life
2	Life member of Madhya Bharti Research Journal Membership No. 359/35869	Life
3	Life member of The Indian Society for Technical Education, Membership No. LM 83661	Life
4	The Indian Science Congress Association, Life Membership No. L25320	Life
5	Indian Council of Chemists, Life Membership No. LF/1709	Life
6	Indian Society of Chemists and Biologists (ISCB), Life Membership No. LF-760/2016	Life
7	International Society For Research and Development (ISRDR) Membership ID: F3140900828	Life

**Invited Lectures in workshop**

<b>Invited Lectures in workshop on Water Scenario of Dhanbad District: Emerging challenges</b>			
Title of Lecture	Title of Workshop	Organized by	Whether international/national
Significance of water testing parameters	Workshop on Water scenario of Dhanbad District: Emerging challenges on 22 <sup>nd</sup> July, 2019	BIT Sindri Sponsored by TEQIP Phase III	National



## Reviewer of Journals

1. Oriental Journal of Chemistry, ; Published by Oriental Scientific Publishing Company , In Association with Researchers Society of Chemical Sciences, Bhopal ; Dated 22.07.2021
2. International Journal of Engineering Research and Technology ISSN:2278-0181, Published by ESRSA Publication Pvt. Ltd. (Engineering and Science Research Support Academy) Pramukh Arcade, Gandhinagar, Gujarat, India , Registration No: IJERTREW2401 Date: 12-10-2017 for 2017 2018 and 2020
3. Journal of Energy Research and Review , *Certificate No: SDI/HQ/PR/Cert/47149/MAN /Year 2019*
4. Oriental Journal of Chemistry, Oriental Scientific Publishing Company In Association with Research Society of Chemical Sciences from 20/01/2019
5. International Journal of Engineering Research and Technology ISSN:2278-0181, Published by ESRSA Publication Pvt. Ltd. (Engineering and Science Research Support Academy) Pramukh Arcade, Gandhinagar, Gujarat, India , Registration No: IJERTREW2401 Date: 12-10-2017 for 2017 and 2018
6. Green and Sustainable Chemistry, Scientific Research Publishing, December12,2017
7. Asian Journal of Applied Chemistry Research, Certificate No: SDI/HQ/PR/Cert/ 41609/MAN/ Year 2018
8. International Journal of Creative Research Thoughts ISSN: 2320-2882, Membership ID: 112853, Member Since: 06-April-2018
9. Current Journal of Applied Science and Technology, Certificate No: SDI/HQ/PR/Cert/42906/MAN, July2018

## Member of Editorial Board:

1. Dr. Manoj Kumar Mishra is Member of 'Editorial Board' of 'Blue Eyes Intelligence Engineering and Sciences Publication' and it's journal (s) for year 2020-21.
2. Dr Manoj Kumar Mishra is Member of Editorial Board of 'Lattice Science Publication' and its journal(s) for Year 2020-21

### Worked/ Working with Additional Charge in BIT Sindri

01	Member Remedial Class Cell
02	Member, NAAC committee
03	Committee member of Internal Quality Assessment Cell (IQAC)
04	Department Co-coordinator, NBA
05	JCECEB Counseling / Worked as Member of Admission/Counseling committee
06	Professor In- charge (Transit House)
07	Member, Health Centre
08	Purchase committee Invitee member
09	Comparer/ Tabulator of B.Tech Examination
10	Assistant Professor In charge Library
11	Sub-Coordinator, Chemical Science of Nodal Centre of Virtual Labs at BIT Sindri
12	Coordinator (online Examination) Chemistry Department
13	Class Timetable I/C Chemistry Department
14	Worked as Assistant Hostel Superintendent Hostel No.12, BIT Sindri
15	Worked as Member of Institute Newsletter
16	Worked as Member of Syllabus revision Committee
17	Worked as Member of SIT Module Development Committee (For polytechnic students)
18	Worked as Member of Anti Ragging Committee
19	Worked as a Tabulator in Examination Department
20	Worked as Member of District Level Inspire Award Scheme
21	Worked as Member of District Level Book purchase committee

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