

	<b>Dr. Dakeshwar Kumar Verma</b> (डॉ. डाकेश्वर कुमार वर्मा)	Email: <a href="mailto:dakeshwarverma@gmail.com">dakeshwarverma@gmail.com</a>
	<b>Corresponding address</b> Asst. Professor, Dept. of Chemistry, Govt. Digvijay Autonomous P. G. College, Rajnandgaon (C.G.) Pin: 491441	Mobile No.: +919993623996 Marital Status: Married Academic Exp.: 06years, 11 months

### Brief Bio-data

#### AREA OF INTREST

Corrosion Inhibition, Nanoparticles, Organic Synthesis, Metal Complexes, Material Science and DFT & MD-MC Simulations

#### CURRENT STATUS

Sep 09, 2017 to Present	Assistant Professor, Department of Chemistry, Govt. Digvijay Autonomous P. G. College, Rajnandgaon (C. G) 491441.
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#### ACADEMIC EXPERIENCE (06 Years 11 Months, Up to 01 March 2023)

Apr 04,2016–Sep 08, 2017 (01Y06M00D)	Assistant Professor, Department of Chemistry, Vishwavidyalaya Engineering College, Lakhampur, Sarguja University, Ambikapur (C. G.), Since April 04, 2016.
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<b>SUPERVISION (PH.D SCHOLARS) RESEARCH PROJECTs (Completed)</b>	<ul style="list-style-type: none"> <li>• Guiding (Co-guide) 01 research scholar at the Department of Chemistry, <i>National Institute of technology</i>, Raipur, Chhattisgarh.</li> <li>• Guiding 02 full time research scholars and 01 research scholar as co-guide at the Department of Chemistry, Govt. Digvijay Autonomous P. G. College, Rajnandgaon (C. G) 491441.</li> </ul> <p>Title “Biological synthesis, physico-chemical characterization and application of silver nanoparticles.” Funded Institute: Autonomous cell Govt. Digvijay Autonomous College, Rajnandgaon (Chhattisgarh) 491441          Tenure of Project: 02 Years (Completed).          Title: “Bioactivity of silver nanoparticles from rare yellow palash.”          Funded Institute: Autonomous cell Govt. Digvijay Autonomous College, Rajnandgaon (Chhattisgarh) 491441          Tenure of Project: 01 Years (Completed).</p>
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#### EDUCATIONAL PROFILE

2013-2017 2008-2010 2003-2006 2002-2003 2000-2001	Ph.D, entitled “ <i>Study on Selected Natural Plant Extracts as Mild Steel Corrosion Inhibitors in Acidic Media</i> ” from Department of Chemistry, <i>National Institute of Technology, Raipur, Chhattisgarh</i> , India. M.Sc. Chemistry (65.25%), from Kamla Nehru College, Korba, <i>Guru Ghasidas Central University</i> , Bilaspur, Chhattisgarh, India. B.Sc. Biology (59.94% Ist Division by Grace), from Govt. Digvijay P. G. College, Rajnandgaon, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh, India. 12th Biology (64.40%) from Govt. Higher Secondary School Ghumka (Rajnandgaon), Chhattisgarh Board of Secondary Education, C. G. Raipur. 10th (63.66%) from Govt. Higher Secondary School Ghumka (Rajnandgaon), Board of Secondary Education, M.P. Bhopal.
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#### ADDITIONAL QUALIFICATION

<b>NET</b> <b>GATE</b> <b>SET</b> <i>Scholastic achievements</i>	Qualified <i>CSIR-JRF</i> (June 2013) Exam Jointly Conducted by Council of Scientific and Industrial Research (CSIR), and University Grant Commission (UGC) Government of India for doctoral research with <i>AIR-53</i> (NET-LS: December 2012 & June 2015) Qualified in the years 2012 Conducted by Indian Institute of Technology DELHI and 2013 Conducted by Indian Institute of Technology MUMBAI. Qualified in the year 2013 Conducted by CG VYAPAM, Raipur, Chhattisgarh.
<b>Orientation Programme</b>	<ul style="list-style-type: none"> <li>• Awarded <i>CSIR-JRF</i> (June 2013) from the Council of Scientific and Industrial Research (CSIR), Government of India for doctoral research.</li> <li>• Received MHRD fellowship during Ph.D Programme</li> </ul>
<b>Refresher Course</b>	<ol style="list-style-type: none"> <li>1. Orientation Programme from 07 – 27 January 2020 at Human Resource Development Centre, Pt. Ravishankar Shukla University, Raipur,</li> </ol>

2. Completed Online Refresher Course in Chemistry For Higher Education-2021, Organized by Ministry of Human Resource Development, Delhi and examination taken by National Test Agency (NTA).

3. Completed Online Two week Faculty Development Programme Disciplinary Refresher Course (Natural Science) from 20/09/2021-04/10/2021, Organized by TLC Ramanujan College, Delhi

PUBLICATION (INTERNATIONAL JOURNALS: INDEXING IN: WEB OF SCIENCE, SCOPUS, UGC-CARE LIST AND REFERRED JOURNALS) Total: 44

2023	<p>1. Komal Kashyap, Fahmida Khan, Subrat kumar Patnayak and Dakeshwar Kumar Verma, Green synthesized cerium oxide nanoparticles as efficient adsorbent for removal of fluoride ion from aqueous solution, Water, Air, &amp; Soil Pollution, 2023, Springer.</p>
2022	<p>2. Maha M. El-Kady, Iqbal Ansari, Charu Arora, Nidhi Rai, Sanju Soni, Dakeshwar Kumar Verma, Priyanka Singh and Alaa El Din Mahmoud, Nanomaterials: A comprehensive review of applications, toxicity, impact, and fate to environment, Journal of Molecular Liquids 370 (2023) 121046.</p> <p>1. Ashish Kumar Asatkar, Dakeshwar Kumar Verma* and Elyor Berdimurodov, Recent trends in noble-metals based composite materials for supercapacitors: A comprehensive and development review, Journal of the Indian Chemical Society 100 (2023) 100817.</p> <p>1. Jasdeep Kaur, Akhil Saxena, Elyor Berdimurodov and Dakeshwar Kumar Verma, <i>Euphorbia prostrata</i> as an eco-friendly corrosion inhibitor for steel: electrochemical and DFT studies, Chemical Papers, 2022 <a href="https://doi.org/10.1007/s11696-022-02533-1">https://doi.org/10.1007/s11696-022-02533-1</a>.</p> <p>1. Dakeshwar Kumar Verma, Dewangan Y, Singh AK, Mishra R, Susan MA, Salim R, Taleb M, El Hajjaji F, Berdimurodov E. Ionic liquids as green and smart lubricant application: an overview. Ionics. 2022 Aug 5:1-0.</p> <p>2. Berdimurodov E, Eliboyev I, Berdimurodov K, Kholikov A, Akbarov K, Dagdag O, Rbaa M, El Ibrahimy B, Dakeshwar Kumar Verma, Haldhar R, Arrousse N. Green <math>\beta</math>-cyclodextrin-based corrosion inhibitors: Recent developments, innovations and future opportunities. Carbohydrate Polymers. 2022 Jun 11:119719.</p> <p>3. Dewangan, Yeestdev, Dakeshwar Kumar Verma*, Elyor Berdimurodov, Rajesh Haldhar, Omar Dagdag, Mamta Tripathi, Vivek Kumar Mishra, and Perla Akhil Kumar. "N-hydroxypyrazine-2-carboxamide as a new and green corrosion inhibitor for mild steel in acidic medium: experimental, surface morphological and theoretical approach." <i>Journal of Adhesion Science and Technology</i> (2022): 1-21.</p> <p>4. Kashyap, Komal, Fahmida Khan, Dakeshwar Kumar Verma, and Sonalika Agrawal. "Effective removal of uranium from aqueous solution by using cerium oxide nanoparticles derived from citrus limon peel extract." <i>Journal of Radioanalytical and Nuclear Chemistry</i> (2022): 1-11.</p> <p>5. Aslam, Ruby, Goncagul Serdaroglu, Saman Zehra, Dakeshwar Kumar Verma, Jeenat Aslam, Lei Guo, Chandrabhan Verma, Eno E. Ebenso, and M. A. Quraishi. "Corrosion Inhibition of Steel Using Different Families of Organic Compounds: Past and Present Progress." <i>Journal of Molecular Liquids</i> (2021): 118373.</p> <p>6. Berdimurodov, Elyor, Abduvali Kholikov, Khamdam Akbarov, Lei Guo, Savaş Kaya, Konstantin P. Katin, Dakeshwar Kumar Verma, Mohamed Rbaa, Omar Dagdag, and Rajesh Haldhar. "Novel gossypol-indole modification as a green corrosion inhibitor for low-carbon steel in aggressive alkaline-saline solution." <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> (2022): 128207.</p> <p>1.</p>
2021	<p>1. Elyor Berdimurodov, Dakeshwar Kumar Verma, Abduvali Kholikov, Khamdam Akbarov, Lei Guo, Mengyue Zhu, Mohamed Rbaa, Omar Dagdag, Rajesh Haldhar, The recent development on carbon dots as green and powerful corrosion inhibitors: A perspective review, <i>Journal of Molecular Liquids</i> (2021): 118124..</p> <p>2. Berdimurodov, Elyor Tukhliyevich, Abduvali Kholikov, Khamdam Akbarov, Lei Guo, Savaş Kaya, Dakeshwar Kumar Verma, Mohamed Rbaa, and Omar Dagdag. "Novel Glycoluril Pharmaceutically Active Compound as a Green Corrosion Inhibitor for the Oil and Gas Industry." <i>Available at SSRN (Elsevier)</i> 3951074.</p> <p>3. Berdimurodov, Elyor, Abduvali Kholikov, Khamdam Akbarov, Lei Guo, Savaş Kaya, Konstantin P. Katin, Dakeshwar Kumar Verma, Mohamed Rbaa, and Omar Dagdag. "Novel cucurbit [6] uril-based [3] rotaxane supramolecular ionic liquid as a green and excellent corrosion inhibitor for the chemical industry." <i>Colloids and</i></p>

	<p><i>Surfaces A: Physicochemical and Engineering Aspects</i> (2021): 127837.</p> <p>4. Berdimurodov, Elyor, Abduvali Kholikov, Khamdam Akbarov, Lei Guo, Savaş Kaya, Konstantin P. Katin, Dakeshwar Kumar Verma, Mohamed Rbaa, Omar Dagdag, and Rajesh Haldhar. "Novel bromide-cucurbit [7] uril supramolecular ionic liquid as a green corrosion inhibitor for the oil and gas industry." <i>Journal of Electroanalytical Chemistry</i> (2021): 115794.</p> <p>5. Elyor Berdimurodov, Abduvali Kholikov, Khamdam Akbarov, Lei Guo, Savaş Kaya, Dakeshwar Kumar Verma, Mohamed Rbaa, and Omar Dagdag, New and Green Corrosion Inhibitor Based on New Imidazole Derivate for Carbon Steel in 1 M HCl Medium: Experimental and Theoretical Analyses, <i>International Journal of Engineering Research in Africa</i>, 2021, Vol. 58, pp 11-44.</p> <p>6. Ebenso, Eno, Chandrabhan Verma, Lukman Olasunkanmi, Ekemini D. Akpan, Dakeshwar Verma, Hassane Lgaz, Lei Guo, Savas Kaya, and Mumtaz Ahmad Quraishi. "Molecular modeling of compounds used for corrosion inhibition studies: A review." <i>Physical Chemistry Chemical Physics</i> (RSC) (2021).</p> <p>7. Dakeshwar Kumar Verma, Mohsin Kazi, Mohammed S. Alqahtani, Rabbani Syed, Elyor Berdimurodov, Savaş Kaya, Rajae Salim, Ashish Asatkar, and Rajesh Haldhar. "N-hydroxybenzothioamide derivatives as green and efficient corrosion inhibitors for mild steel: Experimental, DFT and MC simulation approach." <i>Journal of Molecular Structure</i> 1241 (2021): 130648.</p> <p>8. Haldhar, Rajesh, Dwarika Prasad, Indra Bahadur, Omar Dagdag, Savas Kaya, Dakeshwar Kumar Verma, and Seong-Cheol Kim. "Investigation of plant waste as a renewable biomass source to develop efficient, economical and eco-friendly corrosion inhibitor." <i>Journal of Molecular Liquids</i> 335 (2021): 116184.</p> <p>9. Kashyap, Komal, F. Khan, Dakeshwar Verma, Sonalika Agrawal, Ch Chandra, Pradeep Kumar Dewangan, Vinayak Sahu, Padma Rani Verma, and Vikas Kumar Jain. "Biofabrication and structural characterization of cerium oxide nanoparticles." In <i>IOP Conference Series: Materials Science and Engineering</i>, vol. 1120, no. 1, p. 012008. IOP Publishing, 2021.</p> <p>10. Dakeshwar Kumar Verma., Aslam, R., Aslam, J., Quraishi, M. A., Ebenso, E. E., &amp; Verma, C. (2021). Computational Modeling: Theoretical Predictive Tools for Designing of Potential Organic Corrosion Inhibitors. <i>Journal of Molecular Structure</i>, 1236(13029), 130294.</p> <p>11. Dakeshwar Kumar Verma., Kaya, S., Ech-chihbi, E., El-Hajjaji, F., Phukan, M. M., &amp; Alnashiri, H. M. (2021). Investigations on some coumarin based corrosion inhibitors for mild steel in aqueous acidic medium: Electrochemical, surface morphological, density functional theory and Monte Carlo simulation approach. <i>Journal of Molecular Liquids</i>, 329, 115531.</p> <p>12. Dakeshwar Kumar Verma., Dewangan, Y., Dewangan, A. K., &amp; Asatker, A. (2021). Heteroatom-Based Compounds as Sustainable Corrosion Inhibitors: An Overview. <i>Journal of Bio-and Tribo-Corrosion</i>, 7(1), 1-18.</p>
2020	<p>1. Dakeshwar Kumar Verma, Akram Al Fantazi, Chandrabhan Verma, Fahmida Khan, Ashish Asatkar, Chaudhery Mustansar Hussain and Eno E. Ebenso, Experimental and computational studies on hydroxamic acids as environmental friendly chelating corrosion inhibitors for mild steel in aqueous acidic medium, <i>Journal of Molecular Liquids</i> 314 (2020) 113651</p>
2019	<p>1. Dakeshwar Kumar Verma, Chandrabhan Verma and Eno E. Ebenso, Gravimetric, electrochemical surface and density functional theory study of Acetohydroxamic and benzohydroxamic acids as corrosion inhibitors for copper in 1 M HCl, <i>Results in Physics</i> 13, 2019, 102194</p>
2018	<p>1. Chandrabhan Verma, Dakeshwar Kumar Verma, E. E. Ebenso and M. A. Quraishi, Sulfur and phosphorus heteroatom-containing compounds as corrosion inhibitors: An overview. <i>Heteroatom Chemistry</i> 2018;e21437. <a href="https://doi.org/10.1002/hc.21437">https://doi.org/10.1002/hc.21437</a></p> <p>2. Dakeshwar Kumar Verma, Fahmida Khan, I. Bahadur, Mohammad Salman, M.A. Quraishi Chandrabhan Verma and Eno E. Ebenso, Inhibition performance of Glycine max, Cuscuta reflexa and Spirogyra extracts for mild steel dissolution in acidic medium: Density functional theory and experimental studies, <i>Results in Physics</i>, 10, 2018, 665-674. DOI: 10.1016/j.rinp.2018.06.003.</p> <p>3. Chandrabhan Verma, H. Lgaz, Dakeshwar Kumar Verma, Eno E. Ebenso, I. Bahadur and M.A. Quraishi, Molecular dynamics and Monte Carlo simulations as powerful tools for study of interfacial adsorption behavior of corrosion inhibitors in aqueous phase: A review, <i>Journal of molecular liquids</i>, 2018, 260, 99-120, doi:10.1016/j.molliq.2018.03.045</p> <p>4. Dakeshwar Kumar Verma, Cuscuta reflexa extract based green synthesis of silver nanoparticles, <i>International Journal Of Current Engineering And Scientific Research</i>,</p>

2017	<p>2018, 5 (2), 63-68.</p> <ol style="list-style-type: none"> <li>1. Dakeshwar Kumar Verma, F. Khan, S. Agrawal, V. K.Soni and K. Satapathy, <i>Chenopodium album</i> leaves extract as green corrosion inhibitor for mild steel in 1 M HCl solution, <i>Engineering Sciences International Research Journal</i>, 2017, 5 (1), 16-21</li> <li>2. C. H. Chandra, F. Khan and Dakeshwar Kumar Verma, Green Synthesis of Nano Zerovalent Iron using <i>Anacardium Occidentale Testa</i> Extracts, <i>International Journal of Engineering Technology Science and Research</i>, 2017, 4 (8), 671-675.</li> <li>3. Dakeshwar Kumar Verma, and F. Khan, Inhibition effect of <i>Bombax ceiba</i> flower extract as green corrosion inhibitor of mild Steel in 0.5 M H<sub>2</sub>SO<sub>4</sub> solution, <i>Asian Journal of Chemistry</i>, 2017, 29 (12), 2615-2618.</li> <li>4. S. Agrawal, F. Khan, Dakeshwar Kumar Verma* and R. K. Sahu, Reductometric titration and quantum chemical study of oxalohydroxamic acid for the determination of manganese in ores and alloys, <i>Asian Journal of Chemistry</i>, 2017, 29 (12), 2592 - 2596.</li> <li>5. Dakeshwar Kumar Verma, F. Khan, C. B. Verma, S. Agrawal and M. A. Quraishi, Stem extract of <i>Opuntia cochenillifera</i> as green and sustainable corrosion inhibitor of mild steel in 0.5 M H<sub>2</sub>SO<sub>4</sub> solution, <i>International journal of Nano Corrosion Science and Engineering</i>, 2017, 4(1), 31-54.</li> <li>6. Dakeshwar Kumar Verma, F. Khan, C. B. Verma, R. Susai and M. A. Quraishi, Experimental and theoretical studies on mild steel corrosion inhibition by the grieseofulvin in 1M HCl, <i>European chemical bulletin</i>, 2017, 6(1), 21-30</li> <li>7. Dakeshwar Kumar Verma, F. Khan, R. K. Sahu and H. Suryavanshi, Inhibition Effect of <i>Cajanus Cajan</i> Leaves Extract on the Corrosion of Mild Steel in 1 M HCl Solution, <i>Chemistry and Materials Research</i>, 2017, 9 (2) 8-13.</li> </ol>
2016	<ol style="list-style-type: none"> <li>1. Dakeshwar Kumar Verma and F. Khan, Non-Electrochemical Study of Mild Steel Corrosion Inhibition in Sulphuric Acid Solution by Using the <i>Cuscuta Reflexa</i> Extract, <i>Chemistry and Materials Research</i>, 2016, 8(7), 33-41.</li> <li>2. Dakeshwar Kumar Verma and F. Khan, Green Approach to Corrosion Inhibition of Mild Steel in Sulphuric Acid Solution using Extract of Banana Leaves, <i>Chemistry and Materials Research</i>, 2016, 8(5) 19-24.</li> <li>3. Dakeshwar Kumar Verma and F. Khan, Corrosion Inhibition of Mild Steel by Using Sulpha Drugs in Phosphoric Acid Medium: A Combined Experimental and Theoretical Approach, <i>American Chemical Science Journal</i>, 2016, 14 (3)1-8.</li> <li>4. Dakeshwar Kumar Verma and F. Khan, Electrochemical Study of Corrosion Inhibition of Mild Steel in Hydrochloric Acid Solution by the Extract of <i>Cuscuta Reflexa</i>, <i>Chemistry and Materials Research</i>, 2016, 8(4), 1-7.</li> <li>5. Dakeshwar Kumar Verma and F. Khan, Green approach to corrosion inhibition of mild steel in hydrochloric acid medium using extract of <i>spirogyra</i> algae, <i>Green Chemistry Letters and Reviews</i>, 2016, 9(1), 52-60.</li> <li>6. Dakeshwar Kumar Verma and F. Khan, Corrosion inhibition of mild steel in hydrochloric acid using extract of <i>glycine max</i> leaves, <i>Research on Chemical Intermediates</i>, 2016, 42, 3489-3506.</li> </ol>
2015	<ol style="list-style-type: none"> <li>1. Dakeshwar Kumar Verma and F. Khan, Inhibitory effects of <i>marigold</i> leaves extract on the mild steel corrosion in 0.5 M sulphuric acid solution, <i>Chemistry and Materials Research</i>, 2015, 7(9), 69-76.</li> <li>2. Dakeshwar Kumar Verma and F. Khan, Corrosion Inhibition of Mild Steel by Extract of <i>Bryophyllum Pinnatum</i> Leaves in Acidic Solution, <i>Chemistry and Materials Research</i>, 2015, 7, 69-76.</li> <li>3. Dakeshwar Kumar Verma and F. Khan, Corrosion Inhibition of High Carbon Steel in Phosphoric Acid Solution by Extract of Black Tea, <i>Advance in Research</i>, 2015, 5(4): 1-9.</li> </ol>

**Publication (Books) SCI/SCOPUS Indexed (Published/Ongoing/Accepted)**

1	Edited	Dakeshwar Kumar Verma, Fahmida Khan and Berdimurodov Elyor Tukhliyivich
2	Book	(Editors), <i>Advanced Anti-corrosive Materials</i> , Publisher- Taylor & Francis Group, LLC, Sound Parkway NW, Suite 300, Boca Raton, Florida 33487, U.S.A.
3	(2022)	Pramod Kumar Mahish, Dakeshwar Kumar Verma and Shailesh Kumar Jadhav
4	Edited	(Editors), <i>Biosorbents: Diversity, Bioprocessing, and Applications</i> , Taylor &
5	Book	Francis Group, LLC, Sound Parkway NW, Suite 300, Boca Raton, Florida 33487, U.S.A.
	Edited	Book
	(2022)	Dakeshwar Kumar Verma, Chandrabhan Verma and Paz Otero Fuertes
	Edited	(Editors), <i>Green Chemical Synthesis with Microwaves and</i>
	Book	Ultrasound, Publisher: Wiley-VCH GmbH, Boschstr ISBN 978-3-527-35297-5, 12,
	(2022)	69469 Weinheim, Germany
	Edited	Paz Otero Fuertes and Dakeshwar Kumar Verma, <i>Marine Molecules From Algae And Cyanobacteria: Extraction, Purification, Toxicology And Applications</i> ,

	Book (2022)	Publisher- Elsevier, Cambridge, MA 02139, USA Dakeshwar Kumar Verma, Chandrabhan Verma and Pramod Kumar Mahish (Editors), Heavy Metals: Global Pollution Updates and Recent Management Strategies, Publisher- ACS Symposium Series Book Proposal, USA.
6	Edited Book (2022)	Berdimurodov Elyor Tukhliyovich and Dakeshwar Kumar Verma (Editors), Carbon Dots in Biology: Synthesis, Properties, Biological and Pharmaceutical Applications, Publisher- Walter De- Gruyter GmbH, Genthiner Str. 13, 10785 Berlin, Germany, ISBN-978-3-11-079992-7
7	Edited Book (2022)	Rajendra Chandra Padalia, Dakeshwar Kumar Verma, Charu Arora and Pramod Kumar Mahish (Editors), Essential Oils: Sources, Production and Applications, Publisher- Walter De- Gruyter GmbH, Genthiner Str. 13, 10785 Berlin, Germany, ISBN 978-3-11-079159-4
8	Edited Book (2022)	Dakeshwar Kumar Verma, Charu Arora and Jeenat Aslam and Pramod Kumar Mahish (Editors), Phytochemicals in Medicinal Plants: Biodiversity, Bioactivity and Drug Discovery, Publisher- Walter De- Gruyter GmbH, Genthiner Str. 13, 10785 Berlin, Germany, ISBN-, 978-3-11-079176-1.
9	Edited Book (2022)	Jeenat Aslam, Chandrabhan Verma, Dakeshwar Kumar Verma and Ruby Aslam (Editors), Carbon Allotropes Nanostructured Anti-Corrosive Materials, Publisher- Walter De- Gruyter GmbH, Genthiner Str. 13, 10785 Berlin, Germany, ISBN- 978-3-11-078280-6
10	Edited Book (2022)	Dakeshwar Kumar Verma and Jeenat Aslam, Organometallic Compounds. Synthesis, Reactions, and Applications, Publisher: Wiley-VCH GmbH, Boschstr. 12, 69469 Weinheim, Germany ISBN 978-3-527-35178-7
11	Edited Book (2021)	Chandrabhanbhan Verma and Dakeshwar Kumar Verma (Editors), Edited book; Handbook of Biomolecules (Fundamentals, Properties and Applications), Elsevier (Netherland), 2022, ISBN: 9780323916844
12	Authored Book (2021)	Dakeshwar Kumar Verma, Yeestdev Dewangan and Chandrabhanbhan Verma, Handbook of Organic Name Reactions, (Elsevier, Science Direct) (70% materials send to publisher)
13	Edited book (2021)	Dakeshwar Kumar Verma, Jeenat Aslam and Chandrabhanbhan Verma, Computational Modelling and Simulations for Designing of Corrosion Inhibitors (Fundamentals and Applications) (Elsevier, Science Direct)
14	Authored book (2013)	Bhaskaran Yadav and Dakeshwar Verma, A text book of Bio- inorganic chemistry, Publisher; Research India Publication, Delhi ISBN: 978-81-89476-08-4
15	Authored book (2013)	Bhaskaran Yadav and Dakeshwar Verma, A textbook of Co-ordination chemistry Basic Principles of Structure and Reactivity of Co-Ordination Compounds, Publisher; International Research Publication House, Delhi ISBN: 978-93-84144-01-2

**Publication (Book chapters indexed in WOS/SCOPUS & Clarivate analytics)**

2023	<ol style="list-style-type: none"> <li>1. Ratnakar D Shukla, Bhawna Jain, Kuleshwar Patel, Priyanka Singh, Dakeshwar Kumar Verma, Reema Sahu, Raghvendra K Mishra, Homogeneous and Heterogeneous Catalysis by Organometallic Complexes in Organometallic Compounds: Synthesis, Reactions, and Applications, John Wiley &amp; Sons, 2023.</li> <li>2. Mukesh K Tyagi, Gokul R Nishad, Dakeshwar Kumar Verma, Lei Guo, Elyor Berdimurodov, Classification of Organometallic Compounds in Organometallic Compounds: Synthesis, Reactions, and Applications, John Wiley &amp; Sons, 2023.</li> </ol>
2022	<ol style="list-style-type: none"> <li>3. Haldhar, Rajesh, Seong-Cheol Kim, Elyor Berdimurodov, Dakeshwar Kumar Verma, and Chaudhery M. Hussain. "Corrosion Inhibitors: Industrial Applications and Commercialization." In <i>Sustainable Corrosion Inhibitors II: Synthesis, Design, and Practical Applications</i>, pp. 219-235. American Chemical Society, 2021.</li> </ol>
2021	<ol style="list-style-type: none"> <li>4. Yeestdev Dewangan, Amit Kumar Dewangan, Shobha, Dakeshwar Kumar Verma*, Carbon Nanotubes as Corrosion Inhibitors, Organic Corrosion Inhibitors: Synthesis, Characterization, Mechanism, and Applications, Wiley Science, 2021, <a href="https://doi.org/10.1002/9781119794516.ch16">https://doi.org/10.1002/9781119794516.ch16</a>. <a href="https://onlinelibrary.wiley.com/doi/pdf/10.1002/9781119794516.ch16">https://onlinelibrary.wiley.com/doi/pdf/10.1002/9781119794516.ch16</a></li> <li>5. Dewangan, Amit Kumar, Yeestdev Dewangan, Dakeshwar Kumar Verma*, and Chandrabhan Verma. "Synthetic environment-friendly corrosion inhibitors." In <i>Environmentally Sustainable Corrosion Inhibitors</i>, pp. 71-95. Elsevier, 2022.</li> <li>6. Dewangan, Yeestdev, Amit Kumar Dewangan, Fahmida Khan, Perla Akhil Kumar, Vivek Mishra, and Dakeshwar Kumar Verma*. "Ionic liquids as green corrosion inhibitors." In <i>Environmentally Sustainable Corrosion Inhibitors</i>, pp. 219-244. Elsevier, 2022.</li> <li>7. Dewangan, A. K., Y. Dewangan, and Dakeshwar Kumar Verma*. "Pyrazine Derivatives as Green Corrosion Inhibitors." <i>Theory and Applications of Green Corrosion</i></li> </ol>

	<i>Inhibitors</i> 86 (2021): 161-182. 8. Dewangan, Y., A. K. Dewangan, and Dakeshwar Kumar Verma*. "Polysaccharide as Green Corrosion Inhibitor." <i>Sustainable Corrosion Inhibitors</i> 107 (2021): 70.
2018	1. Dakeshwar Kumar Verma*, Density Functional Theory (DFT) as a Powerful Tool for Designing Corrosion Inhibitors in Aqueous Phase, Publisher, <i>Intech open</i> , London, ISBN 978-953-51-6706-8, 2018.

#### Awards

2018	1. 2nd Best poster presentation on National Seminar, Dept. of Physics, Govt. Digvijay P. G. Autonomous College, Chhattisgarh, 29th January 2018.
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#### International/National Conferences/Seminar/Workshop Organized

2023	1. Organising Secretary at International Conference on Roll of Applied Sciences in Social Implications, 6-8th February 2023, Organised by Department of Science, Govt. Digvijay Auto. P.G. College, Rajnandgaon (C.G.) INDIA.
2021	2. <i>Organising Secretary</i> at International Web Conference on <i>Emerging Fields In Chemistry: Advances And Applications</i> , 10-11th August 2021, Organised by Department of Chemistry, Govt. Kamladevi Rathi Girls P.G. College, Rajnandgaon (C.G.) INDIA. 3. <i>Organizing committee member</i> at National Web-Conference on "Novel Trends in Chemical Sciences (NTCS 2021)", 20-21 October 2021, Organised by Department of Chemistry, Govt. Digvijay P. G. Autonomous College, Chhattisgarh, INDIA.

#### International Conferences/Seminar (Invited talk/Paper presented)

2023	1. "Green Corrosion Inhibitors: Fundamentals to Advance", 12th National Conference on Emerging Materials & Nanotechnology(NCEMN-2022) Organised by Department of Chemistry Govt. V.Y.T. PG Autonomous College Durg, Chhattisgarh, India, November 18-19, 2022.
2021	2. Invited lecture on "Important problems in the contemporary organic Chemistry" at <i>International Conference</i> organized by Department of Chemistry, Karshi State University, Uzbekistan on dated; 01 May 2021. 3. Invited lecture on "Synthetic Organic Compounds as Green Corrosion Inhibitors" at <i>International Scientific and Practical Conference</i> , The Republic of Uzbekistan, Tashkent city, 28 May, 2021. 4. Invited lecture on "Corrosion inhibition mechanism and its characterization techniques" National University of Uzbekistan, 25 November 2021.
2017	1. <i>International conference</i> on Electronics, Physics & Chemistry, Jyoti Nivas College Autonomous Bangalore, Karnataka, 16-18 February 2017.
2014	1. 2nd Annual <i>International Conference (AIC-2) &amp; Industry - CCRS Congress (ICC)</i> , Andhra University, Visakhapatnam, 13-14 December 2014. 2. <i>International conference</i> on Recent Advances in Analytical Science (RAAS-2014), Department of Chemistry, IIT BHU, Varanasi, 27-29 March, 2014.

#### National Conference/Seminar

2019	1. National conference on Recent Advances in Physical Sciences, Department of Mathematics, Physics & Chemistry, Govt. Kamladevi Rathi Girls P. G. College, Rajnandgaon, Chhattisgarh, 18-19 November 2019.
2018 2017	1. National conference on Advance in Environment & Chemical Sciences, School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh, 22-23 March 2018. 2. A National Seminar on Advance Research in Physics-Its Roll in the Development of Society, Dept. of Physics, Govt. Digvijay P. G. Autonomous College, Chhattisgarh, 29th January 2018. 3. Determination of Redlich-Kister Coefficients of N-1-Naphthyl-o-ethoxybenzo hydroxamic Acid-Ethanol System, Priyanka Singh, Gokul Ram Nishad, Younus Raza Beg and <i>Dakeshwar Kumar Verma</i> , National Seminar on Advanced Research in Physics-its Role in the Development of Society, Govt. Digvijay PG Autonomous College, Rajnandgaon (C.G.), India, 29 Jan., 2017. 4. Study on fluoride contamination in groundwater at Dongargaon Block, Chhattisgarh, India, Gokul Ram Nishad, Priyanka Singh, Younus Raza Beg and <i>Dakeshwar Kumar Verma</i> National Seminar on Advanced Research in Physics-its Role in the Development of Society, Govt. Digvijay PG Autonomous College, Rajnandgaon (C.G.), India, 29 Jan., 2017. 5. Synthetic route for the conducting polymer: a Review, Younus Raza Beg, <i>Dakeshwar Kumar Verma</i> , Priyanka Singh and Gokul Ram Nishad, National Seminar on Advanced Research in Physics-its Role in the Development of Society, Govt. Digvijay PG Autonomous College, Rajnandgaon (C.G.), India, 29 Jan., 2017. 6. Antioxidant and DNA Cleavage Protection Activity of N-1-Naphthyl-2-Methylbenzohydroxamic Acid, Priyanka Singh, Gokul Ram Nishad, Younus

	<p>Raza Beg and <i>Dakeshwar Kumar Verma</i> National Conference on Advancements and Globalisation of Chemical Sciences for Man, Materials and Environment, C.V. Raman University, Bilaspur (C.G.), India, 09-10 Mar., 2018.</p> <p>7. A Review on Synthesis, Properties and Applications of Conducting Polymer Younus Raza Beg, Priyanka Singh, <i>Dakeshwar Kumar Verma</i>, Gokul Ram Nishad National Conference on Advancements and Globalisation of Chemical Sciences for Man, Materials and Environment, C.V. Raman University, Bilaspur (C.G.), India, 09-10 Mar., 2018.</p> <p>8. Green synthesis of silver nanoparticles medicated by <i>Cassia Tore</i> seeds extract in aqueous solution <i>Dakeshwar Kumar Verma</i>, Yonus Raza Beg, Gokul ram Nishad, Priyanka Singh <i>National Conference on Advancements and Globalisation of Chemical Sciences for Man, Materials and Environment</i>, C.V. Raman University, Bilaspur (C.G.), India, 09-10 Mar., 2018.</p> <p>9. Study on Fluoride contamination and its comparative analysis with other Physicochemical parameters of groundwater in Central India, Dongargaon block, Rajnandgaon district, Chhattisgarh, India Gokul Ram Nishad, Priyanka Singh, Younus Raza Beg and <i>Dakeshwar Kumar Verma National Conference on "Jal Sanrakshan : Samay ki Mang"</i>, Pt. Sundar Lal Sharma Open University (C.G.), India, 29-30 Mar., 2018.</p> <p>1. National Conference on Research Challenges in Environmental Chemistry for National Development, Department of Chemistry, Bhilai Institute of Technology, Durg, Chhattisgarh 28th March 2017.</p>
2016	1. Traditional Knowledge and Biodiversity of Chhattisgarh, Royal College of Pharmacy, Chhattisgarh Council of Science & Technology, Raipur, March 4-5, 2016.
2015	1. 13th Chhattisgarh Young Scientists Congress – 2015, Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh, 28th Feb – 1st March 2015.

#### Workshops/STTP Attended

2022	1. 07 day Faculty Development Program, Organized by, Govt. Digvijay PG college Rajnandgaon, 06 to 13 January 2022.
2018 2017 2016	<p>1. Seven Days National Workshop on "Enzymology and its applications (Isolation, Purification and Immobilization of Enzymes-Amylase and Lipase) from Various Sources" 12th – 18th January 2018, Dept. of Biotechnology and Microbiology, Bhilai Mahila Mahavidyalaya, Bhilai, Chhattisgarh</p> <p>2. Workshop on Different Funding Agencies &amp; Art of Effective Writing of Research Papers and Projects, 27th September, 2017, Department of Chemistry Govt. Digvijay Autonomous P. G. College, Rajnandgaon, Chhattisgarh.</p> <p>3. राज्य स्तरीय हिंदी कार्यशाला "कार्यालयीन हिंदी; स्वरूप एवं विशेषताएं" 6 अक्टूबर 2017, हिंदी विभाग, शासकीय दिग्विजय स्नातकोत्तर स्वशासी महाविद्यालय, राजनांदगाँव(छत्तीसगढ़).</p> <p>1. <i>One week Short Term Training Programme</i> on "Advances in Analytical Techniques in Chemistry and Material Science" (AATCMS-2016), February 08-12, 2016, Department of Chemistry, National Institute of Technology, Raipur, Chhattisgarh.</p> <p>2. Workshop on "Advanced Techniques in Materials Characterization" 22nd – 23rd January 2016, Department of Metallurgical Engineering (Under TEQUIP-II), National Institute of Technology, Raipur, Chhattisgarh.</p>
2015	<p>1. National Level <i>Short Term Training Programme on Advance in Chemical Analysis (ACA – 2015)</i>, 6th – 10th July 2015, Department of Chemistry, National Institute of Technology, Raipur, Chhattisgarh.</p> <p>2. National Level <i>Short Term Training Programme on Environment Challenges and Remedies (ECR – 2015)</i>, 25th – 29th May 2015, Department of Chemical Engineering and Chemistry, National Institute of Technology, Raipur, Chhattisgarh.</p>
2014	<p>1. National Level <i>Short Term Training Programme on Nano-Materials: Characterizations and Applications (NCA- 2014)</i>, 1th – 5th December 2014, Department of Chemistry, National Institute of Technology, Raipur, Chhattisgarh.</p> <p>2. <i>BARC Outreach Programme</i> 23rd September, 2014, National Institute of Technology Raipur &amp; Bhabha Atomic Research Centre, National Institute of Technology Raipur, Chhattisgarh.</p> <p>3. <i>Short Term Training Programme on Uses of E-Resources</i> 10th September 2014, Central Library NITR Raipur, National Institute of Technology, Raipur, Chhattisgarh.</p> <p>4. National Level <i>Short Term Training Programme on Recent Trends in Heterocyclic Compounds and Material Science</i>, 26th – 30th May 2014,</p>

	Department of Chemistry, National Institute of Technology, Raipur, Chhattisgarh. 5. <i>Workshop on Academic Ethics and IPR</i> , 4th -5th April, 2014, National Institute of Technology Raipur & Chhattisgarh Council of Science and Technology, National Institute of Technology, Raipur, Chhattisgarh.
2013	1. <i>Workshop on E-books in libraries</i> , 15th - 16th November 2013, Central Library NITR Raipur, National Institute of Technology, Raipur, Chhattisgarh.
Academic links	Google Scholar Link: <a href="https://scholar.google.com/citations?user=J663VtkAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=J663VtkAAAAJ&amp;hl=en</a> SCOPUS link: <a href="https://www.scopus.com/authid/detail.uri?authorId=56835167300">https://www.scopus.com/authid/detail.uri?authorId=56835167300</a> Research Gate Link: <a href="https://www.researchgate.net/profile/Dakeshwar_Verma">https://www.researchgate.net/profile/Dakeshwar_Verma</a> ORCID ID: <a href="https://orcid.org/0000-0002-5484-7595">https://orcid.org/0000-0002-5484-7595</a> WOS/PUBLONS ID: <a href="https://publons.com/researcher/4446851/dr-dakeshwar-kumar-verma/">https://publons.com/researcher/4446851/dr-dakeshwar-kumar-verma/</a>

**PERSONAL PROFILE**

<b>Name</b>	Dakeshwar Kumar Verma
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<b>Father's name:</b>	Shri Sadabrij Verma
<b>Mother's name</b>	Smt. Budhiyarin Bai
<b>Sex</b>	Male
<b>Marital Status</b>	Married
<b>Nationality</b>	Indian
<b>Languages known</b>	English and Hindi
<b>Permanent address</b>	Dakeshwar Kumar Verma Ward No. 11, H. No. 429, Rani Avanti Chowk, Village & Post- Ghumka Thana- Ghumka, Dist.- Rajnandgaon (C.G) PIN-491444
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Date: 04.06.2022

Place:Rajnandgaon

I hereby declare that all information furnished in this application are true and correct to the best of my knowledge and belief.

Dr. Dakeshwar Kumar Verma