Resume



➢ Personal Information

Name	:	**Dr. Dharmendra Kumar Singh**
Present Position	:	**Assistant Professor** **HOD** University Department of Chemistry Binod Bihari Mahato Koyalanchal University, Dhanbad, Jharkhand, India – 826004
Permanent Address	:	Opp. Vivaah Bhawan, Babudih P.O - B. Polytechnic Dist. – Dhanbad, Jharkhand, India – 828130
Mobile	:	7004042652
Email	:	dksslnt@gmail.com, dkpkrm@gmail.com
Category	:	**GEN**
Nationality	:	Indian

➢ Academic qualification

Degree	College/University	Year	Division	Subjects/Branch
Ph. D	**Indian Institute of Technology (I.S.M), Dhanbad**	2018	Awarded	Applied Chemistry
M. Tech	**National Institute of Technology (NIT), Jamshedpur**	2002	Ist Class (Dist)	Surface Science and Engineering
M. Sc	V.B.U. Hazaribag	1999	Ist Class	Chemistry
B. Sc	V.B.U. Hazaribag	1997	Ist Class	Chemistry (Hons) Physics, Math

➢ Honors/Awards/Scholarship

1. Secured 3rd rank in V.B.U. Hazaribag while in M.Sc (Chemistry)
2. **G.A.T.E** - 2000 qualified with percentile score 90.43.
3. C.S.I.R-U.G.C National Eligibility Test (**NET**) for Lectureship.
4. M.P. State Level Eligibility Test (**SLET**) qualified for Lectureship.

➢ Administrative/Supervisory Experiences

Ex HOD
University Dept. of Environmental Science & Disaster Management
B.B.M.K. University, Dhanbad, Jharkhand

➢ Academic/Teaching Experiences

Employer/Place of Posting	Position Held	Classes / level	Date of Joining	Date of relieving
S.S.L.N.T. Mahila Mahavidyalaya, Dhanbad, V.B.U. Hazaribag	Asst. Professor	U.G	03/03/2008	22/10/2011
P.K.Roy Memorial College, Dhanbad, V.B.U. Hazaribag	Asst. Professor	U.G & P.G	22/10/2011	01/02/2019
University Dept. of Chemistry, BBMKU Dhanbad	Asst. Professor	PG	01/02/2019	Till date

➢ Research Experiences

1. Sixteen years research experience in the field of corrosion and corrosion inhibitors.

2. Completed one **MINOR RESEARCH PROJECT** of UGC.

3. Research Guidance under Ph. D Programme:

* Two part-time research scholars have been awarded their degrees

* **04 Students are currently enrolled.**

➢ Publications in International Journals

1. Theoretical Study of Schiff's bases containing heterocyclic ring as corrosion inhibitors for low carbon steel in 0.1 M HCl, **Dharmendra Kr. Singh, International Journal of Scientific Research in Science and Technology, 5(2010) 751-753.**

2. 4(N, N-dimethylamino) benzaldehyde nicotinic hydrazone as corrosion inhibitor for mild steel in 1 M HCl solution: An experimental and theoretical study, **Dharmendra Kumar Singh,** Santosh Kumar, G. Udayabhanu, Rohith P. John, **J. Mol. Liq. (Elsevier), 216 (2016) 738-746.**

3. Study of Co-Relationship between the Soil pH and Organic Carbon, **Dharmendra Kr. Singh,** Sonam Bharti, Bidisha Ganguly, **International Journal of Scientific Research in Science and Technology (**Online ISSN: **2395-602X** Print ISSN: **2395-6011),** (2)3 (2016) 444-447.

4. Studies of Physicochemical Parameters of Water from Two Ponds of Dhanbad City, Jharkhand, India, **Dharmendra Kumar Singh**, Bidisha Ganguly, Sonam Bharti, International Journal of Scientific Research in Science, Engineering and Technology **(**Print ISSN: 2395-1990 | Online ISSN: 2394-4099**), (3) 6 (2017) 1241-1245.**

5. Investigation of corrosion inhibition and adsorption properties of Pyridine-2-aldehyde nicotinic hydrazone for mild steel in HCl solution, **Dharmendra Kumar Singh,** International Journal of Creative Research Thoughts (IJCRT), Volume 5, Issue 4 October 2017, 833-845.

6. Recent Advances in the investigation of corrosion inhibitors, Dharmendra Kumar Singh, **International Journal of Scientific Research in Science and Technology (**Online ISSN: **2395-602X** Print ISSN: **2395-6011**)**,** May-June-2017 , (2) 4: 649-655

7. Non-toxic Schiff bases as efficient corrosion inhibitors for mild steel in 1 M HCl: Electrochemical, AFM, FE-SEM and theoretical studies, **Dharmendra Kumar Singh**, Eno. E. Ebenso, Mantu Kr. Singh, Debasis Behera, G. Udayabhanu, Rohith P. John, **J. Mol. Liq. (Elsevier), 2018 (250) 88-99.**

8. Study of the corrosion inhibitors using the Field Emission Scanning Electron Microscope and Scanning Electron Microscope: A Mini-Review**, Dharmendra Kumar Singh, International Journal of Scientific Research in Science and Technology (**Online ISSN: **2395-602X** Print ISSN: **2395-6011**)**, *January – February- 2018, (4) 2: 2333-2336.*

9. Biological attributes and enzyme profiling of B*ifidobacterium sp.*: A State-of-art review, Ishita Bhattacharya, **Dharmendra Kumar Singh, Int J Sci Res Sci Technol. (**Online ISSN: **2395-602X,** Print ISSN: **2395-6011),** *May-June-2019; 6 (3): 960-966*

10. Schiff Bases as Corrosion Inhibitor for Mild Steel in Acidic Media: A Minireview **Dharmendra Kumar Singh**, International Journal of Scientific Research in Science and Technology (ISSN: 2395-6011), 6 (3) (2019) 953-959.

11. Electrochemical and Theoretical Studies of 2-Acetyl Pyridine and Acetophenone Derivatives as Corrosion Inhibitors for Mild Steel in HCl Solution, **Dharmendra Kumar Singh**, Eno. E. Ebenso, Mantu Kr. Singh, **Asian Journal of Chemistry (Scopus Indexed) Vol. 32, No. 12 (2020), 3097-3104.**

12. "Investigation of Corrosion Inhibition Properties of 2-Acyl Pyridine Derivative on Mild Steel in 1M HCl: Surface Morphological Studies.", **Dharmendra Kumar Singh**, **International Journal of Creative Research Thoughts (IJCRT), ISSN:2320-2882, 8/4 (2020) 4494-4499.**

13. Comparative Study of noise level intensity of two different industries and measure their diversity of species in a community, Dhanbad, Jharkhand, Sonam Bharti**, Dharmendra**

Kumar Singh, International Journal of Scientific Research in Science and Technology, (Online ISSN: **2395-602X,** Print ISSN: **2395-6011), 10/6 (2023) 549-555.**

14. Computer-aided drug designing as a tool leading in the modern-day pharmaceutical industry: A review**,** Santosh Kumar Mohato, Vikrant Jain, Pranay Guru, **Dharmendra Kumar Singh, Journal of Emerging Technologies and Innovative Research (JETIR), ISSN: 2349-5162, 11/3 (2023) 782-797.**

15. A mini-review on Chemistry, Pharmacokinetics, and Antioxidant properties of Quercetin Narayan Chandra Mahato, Pranay Guru, Vikrant Jain, **Dharmendra Kumar Singh, Journal of Emerging Technologies and Innovative Research (JETIR), ISSN: 2349-5162, 11/3 (2023) 798-809.**

16. Identification of Floral Species in the Coal Mines Ecological Restoration Site of Barora Area, BCCL, Dhanbad, Jharkhand, Bidisha Ganguly, Poonam Kumari, Sonam Bharti, Krishnakant Pandey, **Dharmendra Kumar Singh, ECOLOGY, ENVIRONMENT AND CONSERVATION, ISSN: 0971-765X, 30/1(2024) 40-46** (Covered in Web of Science (ISI, Thomson Reuters).

17. ADME and Molecular Docking Studies of Scopoletin Against HIV-1 Reverse Transcriptase, Santosh Kumar Mohato, Pranay Guru, Vikrant Jain**, Dharmendra Kumar Singh,** ***Journal of Advances and Scholarly Researches in Allied Education (, ISSN 2230-7540), Vol. 20, Issue No. 4, October-2023***

18. Antioxidant and cytotoxic effects of 2-(3,4- dimethoxyphenyl)-3-(4-fluorophenyl)-5,7-dimethoxy-4H-chromen-4-one (a rutin derivative), Narayan Chandra Mohato1, Pranay Guru, Vikrant Jain, **Dharmendra Kumar Singh,** *Journal of Advances and Scholarly Researches in Allied Education (ISSN 2230-7540), Vol. 20, Issue No. 4, October-2023.*

Seminar/Workshop

1. Participated in National Seminar on "SIGNIFICANCE OF HIND SWARAJ IN THE MODERN WORLD" on dated Jan 30-31, 2010 organized by P.K. Roy Memorial College, Dhanbad.
2. Participated in National Seminar on "Terrorism and Extremism" on dated 28-29 January, 2010 organized by Department of Philosophy, S.S.L.N.T. Mahila Mahavidyalaya, Dhanbad.
3. Participated in National Seminar on "Creating Awareness on Human Right and their values among College students on integrated personality development and character

building" on dated 21th December, 2010 organized by Department of Philosophy, S.S.L.N.T. Mahila Mahavidyalaya, Dhanbad, Jharkhand.

4. Participated in National Seminar on "The Revolt of 1857" on dated 22th December, 2010 organized by Department of Philosophy, S.S.L.N.T. Mahila Mahavidyalaya, Dhanbad, Jharkhand.

5. Participated in National Seminar on "Education for Peace and Harmony" on dated 23rd & 24th July, 2011 organized by Department of Philosophy, S.S.L.N.T. Mahila Mahavidyalaya, Dhanbad.

6. Participated and Presented paper in UGC Sponsored National Seminar on "**BIODIVERSITY: ITS CONSERVATION AND SUSTAINABLE DEVEPLOPMENT FOR HUMAN WELFARE"** on dated 7th-9th April 2012 organized by University Department of Zoology, Vinoba Bhave University, Hazaribag, Jharkhand.

7. Participated in National Seminar on "Higher Education in India: Critical Issues & Challenges" on dated 10th September, 2016 organized by IQAC, Doranda College, Ranchi, Jharkhand.

8. Participated in UGC Sponsored National Seminar on "RECENT ADVANCES IN PHYSICAL SCIENCES (RAPS- 2018)" on dated 19th & 20th January, 2018 organized by P.K. Roy Memorial College, Dhanbad, Jharkhand.

DHARMENDRA KR. SINGH