

## CURRICULUM-VITAE

NAME: Dr. Shailendra Kumar Singh  
FATHER'S NAME: Late Shri Pramod Kumar Singh  
DATE OF BIRTH: 01-07-1973  
ADDRESS OF  
CORRESPONDENCE: Department of Chemistry, Hansraj College  
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PERMANENT ADDRESS: Village - Achhia  
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CATEGORY: General  
SEX: Male  
MARITAL STATUS: Married  
LANGUAGE KNOWN: Hindi, English  
NATIONALITY: Indian  
EDUCATIONAL QUALIFICATION:

EXAM PASSED	BOARD /UNIVERSITY	YEAR OF PASSING	PERCENTAGE OF MARKS	DIVISION /CLASS	SUBJECT STUDIED
High School	UP Board	1987	76.00	FIRST	Maths,N.Sc., Eng, Hindi, S.Sc.
Intermediate	UP Board	1989	65.80	FIRST	PCM, Eng, Hindi.
B.Sc.	Purvanchal University	1992	63.20	FIRST	PCM
M.Sc. (Specialisation in Physical Chemistry)	Purvanchal University	1996	62.20	FIRST	Chemistry
Ph.D.	B.H.U.	2002	NA	NA	Applied Chemistry

**THESIS TITLE:**CORROSION OF MILD STEEL IN ACETIC FORMIC ACID

## Mixtures

**RESEARCH EXPERIENCE:**Six years research experience in the field of corrosion science.

## **TEACHING EXPERIENCE: 11.5 Years**

DESIGNATION	NAME OF EMPLOYER	NATURE OF JOB	From	To
Lecturer (Part Time)	UP Autonomous College Varanasi	Teaching at UG & PG level	17-02-2003	31-10-2004
Lecturer in Chemistry	UP Autonomous College Varanasi	Teaching at UG & PG level	01-11-2004	19-11-2005
Research Associate (Physical)	University of Delhi	Teaching at PG level	21-11-2005	16-10-2009
Assistant Professor (Adhoc)	Deshbandhu College, DU	Teaching at UG level	16-10-2009	17-11-2009
Assistant Professor (Adhoc)	Ramjas College, DU	Teaching at UG level	18-11-2009	02-05-2013
Assistant Professor (Adhoc)	PGDAV Eve College, DU	Teaching at UG level	30-11-2013	21-07-2014
Assistant Professor (Adhoc)	Hans Raj College, DU	Teaching at UG level	31-07-2014	07-12-2014
Assistant Professor	Hans Raj College, DU	Teaching at UG level	15-12-2014	Till Date

## **GUEST FACULTY:**

- Motilal Nehru College, 2007
- Kirori Mai College 2009 and 2011.,
- M. Tec. in Nanoscience and Nanotechnology, University of Delhi, 2009.

## **FELLOWSHIPS:**

- Intermediate merit scholarship
- BHU Research Fellowship (JRF & SRF)

## **LIST OF PUBLICATIONS:**

1. Influence of formic acid addition on the electrochemical behavior of mild steel in glacial acetic acid.  
S.K. Singh, A. K. Mukherjee and M. M. Singh  
Indian Journal of Chemical Technology, 15, January 2008, 68-71
2. Corrosion characteristics of mild steel in aqueous solution of formic acid containing some acetic acid.  
S.K. Singh, A. K. Mukherjee and M. M. Singh  
Indian Journal of Chemical Technology, 15, March 2008, 174-179
3. Corrosion behavior of mild steel in aqueous acetic acid containing different amounts of formic acid.  
S. K. Singh, A.K.Mukherjee and M. M. Singh  
Indian Journal of Chemical Technology., 18, July 2011, 291-300
4. Corrosion behavior of mild steel in aqueous acetic acid solutions  
S.K. Singh and A. K. Mukherjee  
J. Mater. Sci. Technol., 2010, 26(3), 264-269.
5. Kinetics of corrosion of mild steel in aqueous formic acid solutions.  
S.K. Singh, A. K. Mukherjee and M. M. Singh  
Canadian Metallurgical Quarterly 2011 , 50 (2), 186-194
6. Removal of Cu (II) from aqueous solution using dead biomass of Bacillus Subtilis  
Kishor Kumar Singh, Shailendra Kumar Singh  
J. Integr Sci Technol 2016, 4(2), 41-45
7. Density, viscosity and refractive index measurements for the binary systems containing sunflower or canola oils with cyclohexanol and 2-butanol at different temperature  
J. Masilo, R. Phadagi, S. Singh, S.K. Singh, A.K. Azad, I. Bahadur  
Solid State Technology, 2021, 64(2), 5427-5444

- 8 Interection between 1-butyl-3-methylimidazolium cation with various anions and carboxylic acids: physiochemical and spectroscopic aspects.  
K. Masilo, S.K.Singh, I. Bahadur  
Colloids and Surfaces A: Physiochemical and engineering aspects, 2021, 617, 126376-126397.
- 9 Density, speed of sound, refractive index of binary mixtures containing 2-ethoxyethanol and some alcohols: measurements and correlation.  
N.L.B. Seladji, F. Ouaar, A. Hernandez, I. Bahadur, N. M. Rujas, S.K.Singh, E. Montero, N. C.B. Ahmed, L. Negadi.  
J.Chem.Thermodynamics, 2022, 170, 106762-106799
- 10 A review on interactions between amino acids and surfactants as well as their impact on corrosion inhibition  
A.P.S.Raman, A.A.Muhammad, H.Singh, T.Singh,Z.Makhize, P.Jain, S.K.Singh, I.Bahadur  
ACS Omega, 2022, 7, 47471-47489.

## **BOOK CHAPTER**

1. An involvement ionic liquids and other small molecules as promising corrosion inhibitors in recent advancement of technologies in chemical industries  
S. Pal, Y. Chaudhary, P. Jain, P. Singh, K. Kumari, S.K.Singh, I. Bahadur  
ELSEVIER: Advanced Applications of Ionic Liquids, 2023, ISBN 978-0-323-99921-2V978-0-323-99921-2.00004-5

## **PRESENTED PAPERS:**

- Presented paper entitled“Corrosion behaviour of mild steel in formic acid solution” in National Conference on Chemistry in the Development of Newer Materials held during February 23-24, 2004 at Department of Chemistry, Banaras Hindu University, Varanasi.
- Presented paper entitled “Adsorption of Zinc and Lead using Fibers of Cocos Nucifera” National Workshop on “Renewable Energy & Environment” held on 28 – 29 Jan. 2011 at Conference Center and Ramjas College, University of Delhi, Delhi.
- Presented paper entitled In-vitro cytotoxicity of novel polycyclic aromatic hydrocarbons against Hep 3B and IMR 32 human cell lines in International conference on interface between chemistry and environment (ICICE) held during 13-14 Dec, 2012at Ramjas college, University of Delhi.

- Presented a paper entitled Inhibitive action of acetic acid in corrosion of mild steel in aqueous mixture of formic and acetic acids in the national Seminar on Emerging Trends in Life Sciences: Biodiversity, Biotechnology and environmental conservation held during 15-16 March, 2015 at Govt P.G. College Obra.
- Presented a paper in national Seminar on “Role of analytical Sciences in Sustainable Development” entitled Cu (II) Removal from waste water by Bacillus subtilis held during 4-5 March, 2016 at Hansraj College, University of Delhi.
- Presented an Alekh entitled “Rashtriya Siksha Niti Awam Matrabhasha Mein Siksha Ka Mahatwa”.in National Seminar on Rashtriya Siksha Niti, Bhartiya Bhashayen awam Bhawishya Ki Radniti held in 05-06 Sep, 2022 at Hans Raj College University of Delhi.
- Presented a paper entitled “ Bharat Ka Vikrit Itihas Lekhan Aur Swami Vivekanand Ke Vichar” in 5<sup>th</sup> Annual National Conference on Social sciences in India’s knowledge tradition held during 15-17 Oct, 2022 at Hansraj College University of Delhi.
- Presented a paper entitled “Itihas Ke Punarlekhan Ki Awashyakata Aur Swami Vivekanand ka Rashtriya Chintan” in International Conference on Advanced Research in Management Social Science and Humanities held on 30<sup>th</sup> Oct, 2022 Organized by Hans Raj College, University of Delhi in Collaboration with Centre for Training and Development.
- Presented a paper entitled “Bhartiya Nari Ewam Sashaktikaran- Swami Vivekanand ka Drishtikon” in national seminar on Footprints of women in making of Bharat held during 25-26 Nov, 2022 organized by NCWEB at Conference Centre University of Delhi.
- Presented a paper entitled“ Corrosion behavior of mild steel in a glacial acetic-formic acid system in international conference on Corrosion and Coatings held during 07-08 Dec, 2022 at CSIR-NML Jamshedpur, India.
- Presented a paper entitled “MatriBhasha mein Siksha ewam Mansik Dasta Se Mukti”in National Education Conclave on India’s future on higher education held during 23-24 March, 2023 organized by Hansraj College at Vigyan Bhawan New Delhi.
- Presented a paper entitled “Swami Vivekanand Ka Sanskritik Rashtravad” in National Seminar “Swami Vivekanand ke Sanskritik Rashtravad Ka Samagra Chintan” during 25-26 March, 2023 at Kirori Mal College, University of Delhi.

### **Association with the professional bodies**

- Life Member of Indian Society of Analytical Scientists

### **Awards**

- Bharat Ratna Dr. APJ Abdul Kalam Memorial Grace India Best Young Teacher Award 2018 awarded by Grace India Educational Trust (Regd.)

Date: 12-04-2024

Dr. Shailendra Kumar Singh

Place: Delhi