

# CURRICULUM VITAE

## **Dr. Manoj Kumar Sahani**

M.Sc. (Chemistry) Ph.D.  
Dwarikapuri Colony Rajendra  
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## **Present Position**

Working as Assistant Professor (Chemistry) in Department of Applied Science & Engineering, Gorakhpur since September 2015.

## **Academic Profile**

Ph.D. from Department Of Chemistry, D.D.U. Gorakhpur University, Gorakhpur in Year **2015**.

**Ph.D. Title:** “*Studies on some organic derivatives of oxovanadium(IV)*”

**Area of Specialization:** Organometallic Compounds and Macrocyclic Compounds

## **Educational Qualifications**

<b>Exam Passed</b>	<b>Subject</b>	<b>University/ Board</b>	<b>Year</b>
Ph.D.	Chemistry	D.D.U. Gorakhpur University Gorakhpur	2015
M.Sc.	Chemistry	D.D.U. Gorakhpur University Gorakhpur	2010
B.Sc.	Chemistry, Botany, Zoology	D.D.U. Gorakhpur University Gorakhpur	2008

## **Research Publications**

<b>SCI</b>	<b>Conference/ Workshop</b>
9	7

## Details of Work Experience

S. No.	Organization	Designation	Work Profile	Duration
1.	IIT Roorkee	Project Assistant-II	Research	2013-2014
2.	KIPMCET, Gorakhpur	Assistant Professor	Teaching	Sep.2015 to till date

## Fellowship & Award

1. UGC-JRF (2010-2013)
2. Awarded "First prize" in objective test competition organized by Botanical Association for the session 2006-2007, D.D.U. Gorakhpur University, Gorakhpur.

## Professional Membership

1. Life member of Indian Science Congress Association, Kolkata(L17735)

## Research Publications

### Articles Published in International Journals

1. Synthesis, spectral characterization and antimicrobial studies of nano-sized oxovanadium(IV) complexes with Schiff bases derived from 5-(phenyl/substitutedphenyl)-2-hydrazino-1,3,4-thiadiazole and indoline-2,3-dione

**M.K. Sahani**, U. Yadava, O.P. Pandey, S.K. Sengupta

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 125 (2014) 189–194.

2. A series of novel oxovanadium(IV) complexes: Synthesis, spectral characterization and antimicrobial study

**M. K. Sahani**, U. Yadava, O. P. Pandey, S. K. Sengupta

Journal of molecular structure 1074(2014)401-407

3. Electroanalytical studies on Cu (II) ion-selective sensor of coated pyrolytic graphite electrodes based on N<sub>2</sub>S<sub>2</sub>O<sub>2</sub> and N<sub>2</sub>S<sub>2</sub>O<sub>3</sub> heterocyclic benzothiazol ligands

A.K.Singh, **Manoj Kumar Sahani**, Dr. Koteswara Rao Bandi, A.K.Jain

Material Science and Engineering: C 41(2014)206-216

4. Fabrication of novel coated pyrolytic graphite electrodes for the selective nano-level monitoring of Cd<sup>2+</sup> ions in biological and environmental samples using polymeric membrane of newly synthesized macrocycle

**Manoj Kumar Sahani** A.K.Singh,,A.K.Jain, Anjali Upadhyay, Amit Kumar, Udai P.Singh, Shikha Narang

Analytica Chimica Acta 860(2015)51-60

5. Nano-level monitoring of Mn<sup>2+</sup> ion by fabrication of coated pyrolytic graphite electrode based on isonicotinohydrazide derivatives

**Manoj Kumar Sahani** A.K.Singh,,A.K.Jain

Material Science and Engineering:C 50(2015)124-132

**6.** Potentiometric Monitoring of Co<sup>2+</sup> Ion at Nano Scale Based on Hydrazinecarbothioamide Derivatives by n Fabrication of Coated Pyrolytic Graphite Electrode

**Manoj Kumar Sahani**,Neha Gupta,A.K.Singh,,A.K.Jain

Journal of The Electrochemical Society 163 (2016) B385-B394

**7.** Novel potentiometric sensor for selective monitoring of Ce<sup>3+</sup> ion in environmental samples

**Manoj Kumar Sahani**,Shubhrajyotsana Bhardwaj,A.K.Singh,

Journal of Electroanalytical Chemistry 780 920160 209-216

**8.** Potentiometric sensor for the nanoscale monitoring of Ni<sup>2+</sup> ion in environmental samples by the fabrication of coated pyrolytic graphite electrode based on a novel C–C-coupled compound

**Manoj K Sahani**,Divya Singhal, Ashok K Singh, Ajay K Jain, Udai P Singh, Shikha Narang

International Journal of environmental analytical chemistry 96 (2016)1170-1187

**9.** Quantification of Zn<sup>2+</sup> Ion in Environmental Samples by Fabrication of Pyrolytic Graphite Electrode Based on Schiff Bases of Hydrazinecarbothioamide Derivatives

**Manoj Kumar Sahani**,Neha Gupta,A.K.Singh,,A.K.Jain

Journal of The Electrochemical Society 164(2017) H657-H666

## Conferences / Symposia

**1.** National conference on computational chemistry-current perspectives 14-15 march 2011.

**2.** Template synthesis, spectroscopic characterization and preliminary insulin-mimetic activity of oxovanadium(IV) complexes with N<sub>2</sub>O<sub>2</sub> diazadioxo macrocycles

M.L. Sharma, M.K. Sahani, OP Pandey 99th Indian Science Congress,

3-7 January, 2012, KIIT University, Bhubaneswar

**3.** Oxovanadium (IV) complexes with Schiff bases derived from bis-(4-amino-5-mercapto-4H-1,2,4-triazol-3-yl) arene/alkene

M.L. Sharma, M.K. Sahani, OP Pandey 100th Indian Science Congress,

3-7 January, 2013, University of Calcutta, Kolkata

**4.** Ist U.P. Science Congress

2-4th March 2013, D.D.U. Gorakhpur University, Gorakhpur

**5.** Synthesis, spectral characterization and antimicrobial studies of nano-sized oxovanadium(IV) complexes with Schiff bases derived from 5-(phenyl/substituted phenyl)-2-hydrazino-1,3,4-thiadiazole and indoline-2,3-dione

M.K. Sahani, S.K. Sengupta

National Seminar on Current Trends in Chemical Education

8th August, 2013, D.D.U. Gorakhpur University, Gorakhpur

**6.** Synthesis, spectroscopic study and biological aspects of oxovanadium(IV) complexes with isatin-2,3- bis(thiosemicarbazones)

M.K. Sahani, S.K. Sengupta

NCOIFM , 1-2 March,2014 Chemistry Department, DDU Gorakhpur University, Gorakhpur

**7.** National Seminar on Current Perspectives in Chemical Research

26 march 2014, D.D.U. Gorakhpur University, Gorakhpur

## Personnel Details

Father's Name	Mr. Ram Das Nishad
Mother's Name	Mrs. Gayatri Devi
Date of Birth	07 Jan 1986
Marital Status	Married
Spouse Name	Mrs. Nikita Sahani
Languages Known	English, Hindi
Hobbies	Research and Teaching

## References

<b>1. Prof.(Dr.) S.K.Sengupta</b> Department of Chemistry D.D.U. Gorakhpur University, Gorakhpur-273009 (U.P.), India e-mail: <a href="mailto:sengupta@hotmail.co.uk">sengupta@hotmail.co.uk</a>	<b>2. Prof.(Dr.) A.K.Singh</b> Department of Chemistry,IIT Roorkee Roorkee-247667, Uttarakhand,India e-mail: <a href="mailto:akscyfcy@gmail.com">akscyfcy@gmail.com</a>
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I hereby declare that all the information mentioned above is true to the best of my knowledge and belief.

**Place:**

**Date:**

**(Dr Manoj Kumar Sahani)**