CURRICULAM VITAE

Dr. ANURAG KUMAR SINGH
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Personal details:

Father's Name	Mr. Brij Bihari Singh	**Nationality**	Indian
Mother's Name	Mrs. Usha Devi	**Marital Status**	Married
Date of Birth	16/12/1992		
Languages known	Hindi and English		

Academic qualifications :

Exam	University/Institution	Subject
Ph.D.	Banaras Hindu University	Chemistry
MSc	University of Mumbai	Inorganic Chemistry
BSc	Udai Pratap Autonomous College, Varanasi (MGKVP)	Physics, Chemistry, Math
Higher Secondary	Balmiki Inter College, Balua, Chandauli	Physics, Chemistry, Math, English, Hindi
Secondary	Jai Bajarang Inter College, Tarapur, Chandauli	Hindi, English, Math, Science, Social Science, Sanskrit

Awards & Achievements:

- **Qualified UGC-CSIR NET (December 2017).**
- **UGC Non-NET Research Fellowship (Jan. 2021)**
- **Research Incentive grant under IoE scheme (2023, 2024)**

Area of interest:

Nano materials, Applications of Nano materials, Optical sensors, Synthesis of Organic compound

Title of Thesis: **"Design and development of few silver and gold based plasmonic nano probes for the detection and determination of cysteine, homocysteine, glutathione and metformin".**

List of Publications:

1. **A.K. Singh**, R. Singh, M. Yadav, M. Sharma, I. Tiwari and K.K. Upadhyay*, 2023, A rapid and sensitive colorimetric discrimination and detection of cysteine, homocysteine and glutathione by phloroglucinol-functionalized silver nanoresonators with real applications, *New Journal of Chemistry*, ***47*****,**10842-10848.
2. **A.K. Singh**, S. Singh, R. Singh, M. Sharma, I. Tiwari and K.K. Upadhyay*, 2024, Glucosamine functionalized gold nanoparticles for specific detection and colorimetric assay of Glutathione from real samples, *New Journal of Chemistry,* 2024, ***48***, 14354-14361.
3. R. Singh, **A.K. Singh**, M. Yadav, M. Sharma, I. Tiwari and K.K. Upadhyay, 2022, Naked-eye detection of cysteine/homocysteine through silver nano-resonators and specific identification of homocysteine through nanoresonator–thiosulphate conjugate, *New Journal of Chemistry*, ***46*****,** 14328-14332.
4. D. Singh, R. Singh, A. Kumar, **A.K. Singh**, Yadav, M. and K.K. Upadhyay*, 2021, Salicylazine activated plasmonic silver nanoprisms for identification of Fe (ii) and Fe (iii) from aqueous solutions, *New Journal of Chemistry*, ***45*****,** 17782-17786.
5. R. Singh, M. Yadav, **A.K. Singh**, S.K. Mishra and K.K. Upadhyay*, 2022, A low cost yet highly sensitive silver nanoprobe for naked eye detection and determination of bisulphate (HSO4-) in a few real samples, *Inorg. Chem. Commun.*, ***139*****,** 109366.
6. M. Yadav, R. Singh, **A.K. Singh**, M. Sharma, I. Tiwari and K.K. Upadhyay*, 2023, colorimetric and SERS detection of H_2S by D (±) Galactose functionalized truncated hexagonal bipyramidal silver nanoresonators, *Inorg. Chem. Commun.*, ***156***, 111316.
7. S. Singh, R. Singh, **A.K. Singh**, M. Yadav, S. K. Mishra, J. Dixit, P. Verma, K. N. Tiwari and K.K. Upadhyay*, 2023, 5-Amino uracil activated silver nano resonators for highly selective visual detection of dopamine and as an agonist towards BAP: Promoting shoot growth in Bacopa monnieri L, *Inorga. Chim. Acta*, **560,** 121812.

Workshops, Seminars and Conferences:

1. National symposium on **Contemporary Trends and Future Prospect of Functional Materials (CTFM-2019),** 29th–30th November, 2019 at Department of Chemistry, BHU. **(Poster presented)**

2. Workshop on **Electrochemistry Techniques,** 7th – 8th April, 2022 organized by SATHI, BHU.

3. International Conference of **Modern Trends in Inorganic Chemistry (MTIC-XIX),** 15th -17th December, 2022 at Department of Chemistry, BHU. **(Poster Presented)**

4. National Symposium on **Brainstorming Meeting on Chemistry at the Interface (BSCI-2022),** 26th – 27th December, 2022 at Department of Chemistry, BHU. **(Poster Presented)**

Technical Skills: Sound knowledge of molecules characterization by HRMS, IR, UV,

Computer Skills: Well versed with window-based operations Origine, MS-word, MS-excel, Power Point Presentation, Scifinder and chemistry related software's: CHEMDRAW, MESTERENOVA

Declaration:

I confirm that all the above stated particulars in this resume are true to the best of my knowledge and that I can provide documentary evidence to verify all the given information.

Place: Varanasi Anurag kumar Singh

Date: August, 2024.