

## CURRICULUM VITAE

**Name:** - Dr. Ani Kumar Soni  
**Father's Name:** - Sri Hanuman Prasad Soni  
**Mother's Name:** - Late (Smt.) Gayatri Soni  
**Date of Birth:** - 15/08/1982  
**Qualification:** - Ph.D. (Chemistry)  
**Nationality:** - Indian  
**Corresponding Address:** - 12-A, Kaushal Vihar Colony, Shahpur, Chinhat, Lucknow-226028 (U.P.), INDIA  
**Permanent Address:** - D-178, Vaidehi Nagar Colony, Sahabganj, Faizabad-Ayodhya-224001(U.P.), India  
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### Academic Qualification:

S.N.	Degree/Certificate	University/Board	Passing Year	Division
1	High-School	U.P. Board, Prayagraj	1998	II
2	Intermediate	U.P. Board, Prayagraj	2000	II
3	B.Sc. (ZBC)	University of Lucknow, Lucknow	2003	I
4	M.Sc.(Inorganic Chemistry)	University of Lucknow, Lucknow	2005	I
5	Ph.D	Dr. R.M.L. Avadh University Faizabad, Ayodhya	2011	Awarded

**Title of Ph. D. Thesis:** - "Quantum Chemical Descriptor Based QSAR Study on Non-Benzodiazepine Compounds Binding to Benzodiazepine Receptor"

**Present Status\*** - Assistant Professor (Senior Scale), Department of Chemistry, Shia P.G. College, Sitapur Road, Lucknow-226020

**Teaching Experience** - 8 Years

**Research Experience** - In the field of Theoretical Chemistry & Molecular Modeling (Since 2006)

**Research Collaboration:**

1. Maharani Lal Kunwari P.G. College (Since, 2017) (Dr. R. K. Singh, Head, Chem. Deptt.) & (Convenor, Faculty of Science, Siddharatha University, Kapilvastu, Siddharatha Nagar)
2. University of Lucknow (Since, May-2016) (Prof. Prem Raj & Prof. Kiran Singhal)
3. Saket P.G. College (Since, May-2016) Ayodhya (Dr. Pratibha Singh and Dr. Meenu Saigal)

### Awards:

1. Avadhnama group presents Teacher of the Teacher "Imam Jafar-e-Sadiq<sup>(A.S.)</sup> 2015, on 5 september, 2015 at NBRI.
2. National Seminar on sustainable energy resources on 14 december 2016.
3. Samman Patra By U.P.Congress Seva Dal Lucknow on 5 september 2019.

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### Others:

4. Lucknow university representative (LUR-II) for UPCPMT-2014 at Ghaziabad
5. Observer in CTET-2018, CTET-2019, CTET-2020.
6. Lucknow university representative in U.P.JEE-Bed-2020 and U.P.JEE-Bed-2021.
7. Assistant superintendent to conduct graduate examination 2021 at University of Lucknow.
8. Capable to prepare *Research Proposal* for various funding agencies (**CSIR, UGC, DST, UPCST, etc.**) and to complete them.
9. Capable to prepare **Power-Point** and to deliver important lectures through projector.

### Member:

1. The Indian Science Congress Association (Life Membership No.: L23905).
2. Editorial Board of International Journal of Pure and Applied Researches

### List of Publications:

1. P.P. Singh, **A.K. Soni**, and V.K. Sahu (2009) “PM3 based QSAR study of  $\beta$ -carboline using electronegativity and absolute hardness as reactive parameters” Trade Science Inc.[OCAIJ], Vol. 5, Issue 1, . 55-58.
2. V.K. Sahu, **A.K. Soni** and P. P. Singh (2010) “Stability Index Based Quantitative Structure –Activity Relationship Study of  $\beta$ -carbolines” Asian Journal of Chemistry. [AJC], Vol. 22, No. 4 : 3025-3035.
3. **A.K. Soni**, V.K. Sahu and P.P. Singh (2011) “Quantum Chemical Descriptor Based QSAR study on  $\beta$ -carbolines Binding to Benzodiazepine Receptor” Asian Journal of Chemistry. [AJC], Vol. 23, No. 2: 671-675.
4. Praveen Srivastava, Shailly Srivastava, **Anil Kumar Soni**, and Rajesh Kumar Singh (2012) “Quantitative structure- activity relationship study of benzene sulfonamides as inhibitor of carbonic anhydrase based on quantum chemical descriptor” Journal of Computational Methods in Molecular Design, [ CODEN (USA) : JCMMDA], Vol. 2(3) : 99-106. ISSN: 2231-3176.
5. Praveen Srivastava, Shailly Srivastava, **Anil Kumar Soni**, and Rajesh Kumar Singh (2012) “Comparative study of interaction of benzene sulfonamide with  $Zn^{2+}$  - ion and carbonic anhydrase (  $Zn^{2+}$ -CA)” Journal of Chemical and Pharmaceutical Research, [CODEN (USA) : JCPRC5], Vol. 4(6) : 3107-3115 ISSN: 0975-7384.
6. **Anil Kumar Soni**, Sangeeta Sahu, Vishnu Kumar Sahu, and Pratibha Singh (2015) “Correlation of binding affinity of  $\beta$ -carbolines on benzodiazepines receptor with UV- and IR- Spectroscopic data” International Journal of Advanced Research , [ijar], Vol. 3, Issue 12: 1336-1343, ISSN: 2320-5407.
7. Parul Mishra, **Anil Kumar Soni**, Kiran Singhal and Prem Raj (2016) “Neutral Adducts of Tri Arylantimony Mixed Halides with Oxygen, Nitrogen and Sulphur Donors” Journal of Chemical and Pharmaceutical Research, [CODEN (USA): JCPRC5], Vol. 8 (6), : 70-76, ISSN: 0975-7384.
8. Parul Mishra, **Anil Kumar Soni**, Kiran Singhal and Prem Raj (2016) “Synthesis and characterization of anionic complexes of diorganotin mixed halides with tetraammonium, arsonium and stibonium” Journal of Chemical and Pharmaceutical Research, [CODEN (USA) : JCPRCS], Vol. 8 (6) : 28-31, ISSN: 0975-7384.

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9. Aradhana Singh, **Anil Kumar Soni** and P.P. Singh (2017) “QSAR Study on N- Substituted Sulphonamide Derivatives as anti-bacterial Agents” International Journal of Pure and Applied researches [Ijopaar], Vol. 2 (2),: 106-110, ISSN: 2455-474X.
10. **Anil Kumar Soni** (2017) “QSAR Study and Determination of More Potent Peptidic HIV–1-Protease Inhibitors” International Journal of Pure and Applied Researches [Ijopaar], Vol. 2 (2) : 111-120, ISSN : 2455-474X.
11. **Anil Kumar Soni**, Vishnu Kumar Sahu and Sangeeta Sahu (2017) “DFT-Based Prediction of Bioconcentration Factors of Polychlorinated Biphenyls in Fish Species Using Atomic Descriptors” Asian Journal of Chemistry [AJC], Vol. 29, Issue 11, : 2515-2521.
12. Alok Shukla, Kavindra Kumar Mishra and **Anil Kumar Soni** (2019) “sd- Hybridization, Population Analysis and MOT In Ru<sup>2+</sup> . I. Simple Ruthenium Dihalides” IOSR Journal of Engineering [IOSRJEN], Vol. 9, Issue 12, December, II Series–1 II, PP:28-37, ISSN (e): 2250-3021 , ISSN (p): 2278-8819.
13. Alok Shukla, Kavindra Kumar Mishra and **Anil Kumar Soni** (2019) “sd- Hybridization, Population Analysis and MOT In Ru<sup>2+</sup> (II). Simple Ruthenium mixeddihalides” IOSR Journal of Engineering [IOSRJEN], Vol. 9, Issue 12, December, II Series–1 II, PP:28-37, ISSN (e): 2250-3021 , ISSN (p): 2278-8819.
14. **Anil Kumar Soni**, Pratibha Singh and Vishnu Kumar Sahu (2020) “ DFT- Based Prediction of Bioconcentration Factors of Polychlorinated Biphenyl in Fish Species Using Molecular Descriptors” Advances in Biological Chemistry, Vol. 10, 1-15, (CHINA).
15. **Anil Kumar Soni**, Gajendra Pal Singh and Vishnu Kumar Sahu (2021) “ Prediction of Antagonistic Activity of  $\beta$ - carbilene and Its Derivatives Using Topological Descriptors” Open Journal of Applied Sciences, 2021, Vol. 11, : 577-584, ISSN Online : 2165-3925, ISSN Print: 2165-3917 (USA).
16. Sangeeta Sahu , Vishnu Kumar Sahu and **Anil Kumar Soni** (2021) “Bioconcentration Factor of Polychlorinated Biphenyls and Its Correlation with UV- and IR-Spectroscopic data: A DFT based Study” “ Online Journal of Chemistry” Vol. 1, 1-12 (USA).

### List of Participations and Poster Presentations in Conferences/ Seminars/ Symposia/ Workshops:

1. Workshop on COMPUTATIONAL CHEMISTRY AND USE OF SOFTWARE ( June 4-5, 2008), Maharani Lal Kunwari Post Graduate College, Balrampur- 271201 (U.P.).
2. Participation and poster presentation of “DFT-based prediction of bioconcentration factors of polychlorinated biphenyls in fish species using quantum chemical descriptors” in *National Symposium on Innovative Methods in Chemistry Education & National Convention of Chemistry Teachers* held on October 8-10, 2015 at University of Lucknow, Lucknow.
3. International Seminar on “Sources Of Planet Energy, Environment & Disaster Science: Challenges and Strategies (SPEEDS-2015) Organised by School of Management Sciences, Lucknow (U.P.) From 21-22 November 2015.
4. Participated in **Workshop on Subtractive Genomics Approach Based Identification and Validation of Novel Drug Targets in Pathogens** held on January 6-7, 2016 at University of Lucknow, Lucknow.
5. Participation and poster presentation of “Bioconcentration Factor of Polychlorinated Biphenyls and Its Correlation with UV- and IR-Spectroscopic data: A DFT based Study” in **International Conference On Advances in Light Technologies and Spectroscopy of Materials** held on January 16-18, 2016 at University of Lucknow, Lucknow.

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6. Participation and poster presentation of “DFT-based prediction of anti-leishmanial activity of carboxylates and their antimony(III) complexes against five leishmanial strains” in **6th International Symposium on CURRENT TRENDS IN DRUG DISCOVERY RESEARCH** held on February 25-28, 2016 at CSIR-Central Drug Research Institute, Lucknow.
7. Participation and poster presentation of “Prediction of binding affinity of  $\beta$ -carboline displacing [ $^3\text{H}$ ]Flunitrazepam on benzodiazepines receptor (BzR) based on spectroscopic analysis and quantum chemical properties” in **International Conference On Recent Advances in Material and Chemical Sciences** held on March 2-5, 2016 at Bundelkhand University, Jansi.
8. International Seminar on “Sources Of Planet Energy, Environment & Disaster Science : Challenges and Strategies (SPEEDS-2016) Organised by School of Management Sciences, Lucknow (U.P.) From 19-20 November 2016.
9. Participation and Presentation in International conference on Nanoscience and Nanotechnology (ICCN) held on 22-24, 2017 at Babasaheb Bhimrao Ambedkar University (A central University) Lucknow.
10. Participation and Presentation in International conference on Nanoscience and Nanotechnology (ICCN) held on 22-24, 2017 at Babasaheb Bhimrao Ambedkar University (A central University) Lucknow.
11. Participation and Presentation in International conference on Global Conference on the control of green house gases at the Source by Physical and Chemical) held on 22-24, 2019 at Babasaheb Bhimrao Ambedkar University (A central University) Lucknow.
12. Participation and Presentation in National Conference on “Chemical Science: Advancing Frontiers” held on March 15-16, 2019 at Department of chemistry university of Lucknow, Lucknow.
13. Participation and Presentation a National seminar on “Innovative methods of Teaching Physics [IMTP-2020] held on March 05-06, 2020 at Department of Physics Shia P.G.College Lucknow -226020.
14. U G C Sponsored Orientation Programme (121) From University of Lucknow, Lucknow From 21 september 2015 to 20 october 2015.
15. UGC Sponsored Refresher Course (Environmental Studies) From University of Lucknow, Lucknow From 11, July 2016 to 30 July 2016.
16. Workshop on High Performance Liquid Chromatography (HPLC) Polymerase Chain Reaction (PCR) gel-Doc and Spectrometry at Cytogene research and Development, Lucknow.

### References:

1. Prof. Prem Raj (Retd.), Department of Chemistry, University of Lucknow, Lucknow-226007 (U.P.), India. Contact No.: +919415159894, E-mail: premraj123@ gmail.com
2. Prof. Kiran Singhal (Retd.), Department of Chemistry, University of Lucknow, Lucknow-226007 (U.P.), India. Contact No.:+91-522-2740073.  
E-mail: kiran.singhal@gmail.com
3. Dr. O.P. Mishra, Ex.Principal, Maharani Lal Kunwari Post Graduate College, Balrampur-271201 (U.P.), INDIA, Contact No.: +919415020746.
4. Dr. Rajesh Kumar Singh, Head, Department of Chemistry, Maharani Lal Kunwari Post Graduate College, Balrampur-271201 (U.P.), INDIA, Contact No.: +919919954888.