

DR ANIL KUMAR VERMA

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PROFESSIONAL PROFILE / ACHIEVEMENTS -

- Currently working as **Approved Faculty** in **CBG AG PG College, BKT, Lucknow** from December 2020-Present Day.
- As **Assistant Professor and Head of Department** in **Heera Lal Yadav Girls P.G. College, Sarojininagar, Lucknow** from August 2017- December 2020 and as a **Approved Faculty** in **GSRM Memorial College, Bhadoi, Lucknow** from July 2017- December 2020.
- I have awarded Ph.D. Thesis in Chemistry on **09/10/18** under the supervision of **Prof. Abha Bishnoi**. The topic of my research work is "**Designing and Synthesis of Heterocyclic Systems for Studying their Antibacterial and Antifungal Activities**".
- Secured **070/733** rank in the subject **CHEMICAL SCIENCES** under Joint CSIR-UGC Test for Junior Research Fellowship and Eligibility for Lectureship (NET) held on **20.12.2015**.
- Got **Rajiv Gandhi National Fellowship** to Pursue Ph.D. Degree w.e.f. **01.04.2012** for 5 years.

SOCIETIES/MEMBERSHIPS -

- The Indian Science Congress Association, Kolkata, Life Time Member; **L-28461**.
- The Association of Chemistry Teachers, Life Time Member; **1770**.

RESEARCH PUBLICATIONS -

- Synthesis, Spectroscopic & DFT studies of Novel *N*-((1*H*-benzo[d]imidazol-1-yl) methyl)-*N*-(2-(trifluoromethyl)phenyl)-4,5-dihydrothiazol-2-amine, N. Afza, P. Devi, **Anil Kumar Verma**, S. Shukla, H. Parveen, R. Kumar, S. Rai, Abha Bishnoi, *Indian Journal of Pure and Applied Physics*, 59, **2021**, 504-511.
- Molecular structure, spectral analysis and antimicrobial activity of (*E*)-2-amino-8benzylidene-4-phenyl-5,6,7,8-tetrahydro-4*H*-chromene-3-carbonitrile through DFT and AIM approach, R. Kumar, **Anil Kumar Verma**, H. Parveen, Shaheen Fatma, S. Shukla, P. Devi, N. Afza, Abha Bishnoi, *Indian Journal of Pure and Applied Physics*, 57(2), **2019**, 132-143.
- Design, Synthesis, and Quantum chemical calculations of 2,6-diphenylspiro[cyclohexane-1,3'-pyrido[1,2-*a*]pyrimidine]-2',4,4'-trione through DFT approach, Roop Kumar, Poornima Devi, **Anil Kumar Verma**, Abha Bishnoi, *Letters in Organic Chemistry*, 16(12), **2019**, 983-995.
- Synthesis and spectral analysis of 4-(4-chlorophenyl)-3,4,6,7,8,9-hexahydro-1*H*-cyclohepta-pyrimidin-2(5*H*)-one and study of its quantum chemical and thermodynamic properties, Huda Parveen, Abha Bishnoi, Shaheen Fatma, Poornima Devi, **Anil Kumar Verma**, *Indian Journal of Pure and Applied Physics*, 57(04), **2019**, 250-260.
- Computational and Experimental FT- IR, NMR, UV-Vis Spectral Studies of 5,5'-((4-chlorophenyl)methylene)bis(1,3-dimethyl-6-(methylamino)pyrimidine-2,4(1*H*,3*H*)-dione), Shraddha Shukla, Abha Bishnoi, Shaheen Fatma, **Anil Kumar Verma**, Poornima Devi, *Chemistry Select*, 3(27), **2018**, 7800-7808.
- Quantum chemical calculations and molecular docking studies of 5-(4-chlorobenzylidene)thiazolidine-2,4-dione(CTD) and its mannich product 5-(4-chlorobenzylidene)-3-(morpholinomethyl)thiazolidine-2,4-dione(CMTD), Shaheen Fatma, Abha Bishnoi, **Anil Kumar Verma**, Vineeta Singh and Krishna Srivastava, *Journal of Molecular Structure*, 1157, **2018**, 177-190.
- Discovery of Novel Thiazol-2-Amines and Their Analogues as Bioactive Molecules: Design, Synthesis, Docking and Biological Evaluation, **Anil Kumar Verma**, Abha Bishnoi, Shaheen Fatma, Huda Parveen and Vineeta Singh, *Drug Res (Stuttg)*, **2018**, 68(04), 222-231.
- Synthesis, crystal structure, spectroscopic and quantum chemical studies of novel 3-((2-chlorophenyl)(piperidin-1-yl)methyl)-4-hydroxy-1-phenylquinolin-2(1*H*)-one, Shaheen Fatma, Abha Bishnoi **Anil Kumar Verma**, Ramesh Singh, Amrita Srivastava; *Journal of Molecular Structure*, **2017**, 1139, 338-352.
- An Easy Synthetic Access to Spiro Derivatives Containing Pyrido[1,2-*a*]pyrimidine and Quinoline Scaffolds and Their Antimicrobial Activity, **Anil Kumar Verma**, Abha Bishnoi, Shaheen Fatma, Huda Parveen and Vineeta Singh; *Chemistry Select*, **2017**, 2, 4006-4009.

- *Synthesis, spectral analysis and quantum chemical studies on molecular geometry of (2E,6E)-2,6- bis(2-chlorobenzylidene) cyclohexanone: Experimental and theoretical approaches, Anil Kumar Verma, Abha Bishnoi and Shaheen Fatma; Journal of Molecular Structure, 2016, 1116, 9-21.*
- *A rapid and efficient route to synthesis of 2-amino-4H-pyran-3-carbonitrile derivatives in the presence of L-proline and their antimicrobial activity, Anil Kumar Verma, A. Bishnoi, S. Fatma, A. Srivastava and V. Singh; Der Pharma Chemica, 2016, 8(1), 380-391.*
- *Synthesis, Characterization and biological evaluation of Novel Carboxamides, Oxadiazoles and Isoindoline-1,3-diones derived from 2-substituted phenylquinoline-4-carbohydrazides, A. K. Tiwari, A. Bishnoi, A. Srivastava, Anil Kumar Verma, S. Fatma, C. M. Tripathi and B. Banerjee, Journal of Advances in Chemistry, 2014, 10(8), 2990-3002.*
- *Synthesis, spectral analysis (FT-IR, ¹H NMR, ¹³C NMR and UV-visible) and quantum chemical studies on molecular geometry, NBO, NLO, chemical reactivity and thermodynamic properties of novel 2-amino-4-(4-(dimethylamino)phenyl)-5-oxo-6-phenyl-5,6-dihydro-4Hpyrano[3,2-c]quinoline-3-carbonitrile, S. Fatma, A. Bishnoi and Anil Kumar Verma; Journal of Molecular Structure, 2015, 1095, 112-124.*
- *Synthesis, characterization and antimicrobial evaluation of novel pyridopyrimidine derivatives, S. Fatma, A. Bishnoi, Anil Kumar Verma, A. Srivastava, V. Singh, C.K. M.Tripathi, Indo American Journal of Pharmaceutical Research, 2015, 5(09), 2824-2831.*
- *Synthesis, characterization and antimicrobial evaluation of novel Spiropiperidones, A. K. Tiwari, A. Bishnoi, Anil Kumar Verma, S. Fatma, K. Srivastava, C. M. Tripathi and B. Banerjee, Heterocyclic Communications, DOI 10.1515/hc-2015-0075.*
- *Synthesis, crystal structure, spectroscopic and quantum chemical studies of novel 3-((2-chlorophenyl)(piperidin-1-yl)methyl)-4-hydroxy-1-phenylquinolin-2(1H)-one, S. Fatma, A. Bishnoi, Anil Kumar Verma, R. Singh and A. Srivastava, Journal of Molecular Structure, 2017, 1139, 338-352.*
- *Discovery of novel thiazol-2-amines and their analogues as bioactive molecules: Design, Synthesis and Biological evaluation, Anil Kumar Verma, A. Bishnoi, S. Fatma and V. Singh, Drug Research.*

PROFESSIONAL DEVELOPMENT -

- *Participated in Awareness Seminar on MATLAB for Data Processing & Application Development held on Feb 9th, 2015; University of Lucknow.*
- *Participated in 1 day training programme on Biodiversity and its conservation on 20th September 2014; University of Lucknow.*
- *Presented a poster in International-symposium on Advances in Biological and Material Sciences on 15th July 2014 by Humbolt Academy, Lucknow.*
- *Oral presentation on "Design, Synthesis, spectral characterization and biological activity of novel 2-amino-4H-Pyran-3-Carbonitrile derivatives" in the International Conference on Recent Advances in Analytical Science (RAAS-2014) held at Dept. of Chemistry, Indian Institute of Technology (Banaras Hindu University), Varanasi during March 27-29th, 2014.*
- *Presented a poster in National Convention and Seminar (LAMP-2014) on Organized by Medicinal and Aromatic Plants Society of India, Lucknow on 8-9th March, 2014.*
- *Workshop on computational Tools in Bioinformatics held at BIF, centre of excellence in Bioinformatics (COEBI) Dept. of Biochemistry; University of Lucknow during February 21-22, 2014.*
- *Workshop on Introduction to Gaussian: Theory and Practice, 6-10th January, 2014.*
- *Participation in National Seminar on "Newer trends in Physico-Chemical Techniques" held at Department of Chemistry, University of Lucknow.*
- *Participated in a Seminar on "Organometallic Chemistry" Organised by SAP UGC March 31st, 2010.*
- *Participated in a Symposium on Medicinal Chemistry & Pharmaceutical Sciences at CSIR-CDRI Lucknow from 25-27 March 2010.*

POST GRADUATE TRAINING -

- *Successfully completed 1 month summer training on essential oil, fragrance and flavor from Fragrance & Flavour Development Centre, Kannauj.*

- Successfully completed **6 month** training in **2011** from **Central Institute of Medicinal And Aromatic Plants (Cimap), Lucknow** on below given topic: "**Studies on Synthesis And Isolation Of Bioactive Agent**"

Scheme 1: Synthesis of 2-benzylideneindanone and tetralone as Anticancer Agents.

Scheme 2: Isolation of Antimalarial biomarker from *Tinospora cordifolia*.

AREA OF INTEREST -

- Synthesis and Drug Development.
- Clinical Research and Analytical Chemistry.
- CADD, QSAR.
- Quality Control.
- Spectroscopy.
- Pharmacognosy.

EDUCATION -

<i>Course</i>	<i>Univ/Board</i>	<i>Year</i>	<i>Institute</i>	<i>Division</i>
<i>M.Sc. (Pharmaceutical Chemistry)</i>	<i>Lucknow University</i>	<i>2011</i>	<i>Lucknow University</i>	<i>First</i>
<i>B.Sc. (Chemistry & Botany)</i>	<i>Lucknow University</i>	<i>2009</i>	<i>Lucknow University</i>	<i>Second</i>
<i>Sr. Sec. Education(10+2)</i>	<i>U.P. Board</i>	<i>2005</i>	<i>Lucknow Public Inter College, Lucknow</i>	<i>First</i>
<i>Sec. Education</i>	<i>U.P. Board</i>	<i>2003</i>	<i>Lucknow Public Inter College, Lucknow</i>	<i>First</i>

PERSONAL DATA

Date of Birth : *05th Oct, 1988*
Father's Name : *HariPal Verma*
Mother's Name : *RamPyari Verma*
Marital Status : *Single*
Languages Known : *English, Hindi, German (Beginner)*