

## CURRICULUM VITAE



**NAME** : Prof. Arvind Kumar Dwivedi  
**DESIGNATION** : Professor  
**DEPARTMENT** : Physics  
**SPECIALIZATION** : Electronics  
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### QUALIFICATION DETAILS

S.NO.	QUALIFICATION	NAME OF UNIVERSITY	PASSING YEAR
1	PHD	Dr. RML Avadh University Faizabad	2010
2	M.Sc. / M.A.	DDU Gorakhpur University	1988
3	B.Sc. / B.A.	DDU Gorakhpur University	1986

### POSITIONS HELD

S.NO.	EMPLOYER	DESIGNATION	DATE FROM	DATE TO
1	M.L.K.PG COLLEGE BALRAMPUR	LECTURER/ASSISANT PROFESSOR	13/12/1990	01/01/2006
2	M.L.K.PG COLLEGE BALRAMPUR	ASSOSIATE PROFESSOR	01/01/2006	31/10/2021
3	M.L.K.PG COLLEGE BALRAMPUR	PROFESSOR	01/11/2021	Till Date

## ACADEMIC DETAILS

### Significant Publications and Articles

S.NO.	TITLE	JOURNAL	VOLUME / ISSUE	YEAR
1	Spectroscopic and Electronic properties of PYP609 liquid crystal molecule: A DFT study	International Journal of Research in Engineering and Science	Volume 10 ISSUE-9	2022
2	Physical properties of 4-n-pentyl-4'-cyanobiphenyl (n=9,10,11,12) under the effect of external fields: A DFT study	International Journal of Research in Engineering and Science	Volume 10 ISSUE-9	2022
3	Interaction And Vibrational Spectroscopic Studies Of 8ocb (4-N-Octyloxy-4'-Cyanobiphenyl) Dimer LC Molecules Using DFT	Journal of information and computational science	Volume 11 Page 326-332 ISSUE 11	2021
4	Spectroscopic Study Of Some Thermotropic Liquid Crystal Molecules Using Density Functional Theory	Journal of information and computational science	Volume 11 Page 414-419 ISSUE 10	2021
5	Interaction and spectroscopic studies of 5CB (4-Cyano-4'-pentylbiphenyl) Dimer Liquid Crystal using DFT	Journal of information and computational science,	PAGE 27-32 ISSUE 10	2021
6	Molecular Spectroscopy Of N-(4-Butylphenyl) -1-(4-Ethoxyphenyl) Methanimine (EBBA) Liquid Crystal Molecule Study By Using Density Functional Theory,	Journal of information and computational science,	Volume 11,358-363 ISSUE 7	2021
7	The Vibrational Spectroscopy	Compliance	Vol 12, 88-94	2021

	And Electronic Properties Of 5-(4-Butylcyclohexyl)-2-(2-Flouro-4-Methoxyphenyl) Pyridine And 5-(4-Butylcyclohexyl)-2-(3-Flouro-4-Methoxyphenyl) Pyridine Liquid Crystal Molecules Study By Using Density Function Theory (DFT),	Engineering Journal ,	ISSUE 7	
8	Spectroscopic Investigation Of NCB Liquid Crystal Molecules Using Density Functional Theory ,	Compliance Engineering Journal	Volume 12, 173-180 ISSUE 6	2021
9	Vibrational Spectroscopy Of 4-Cyanophenyl 4-(Octyloxy) Benzoate And 4-Pentylphenyl 4-(Hexyloxy) Benzoate Liquid Crystal Molecules Studied By Using Density Functional Theory	Journal of information and computational science	Volume 11, 212-218 ISSUE 05	2021
10	Computational Approached To Study Electrical Properties Of 4-Cyanophenyl-4-Pentylbenzoate And 4-Nitrophenyl-4-Octylbenzoate Liquid Crystal Molecules	Journal of information and computational science	Vol-11, 447-451 ISSUE 05	2021
11	Study Of Physical Properties Of Several Cyp450 Inhibiting Drugs, Using DFT Methodology	Journal of scientific computing	Vol-9, 33-38 ISSUE 10	2020
12	Molecular Docking Studies Of Azole Derivatives With DNA	Compliance engineering journal	Vol 11, 195-202 ISSUE 10	2020

13	Even-Odd Effect Of The Homologous Series Of NCHBT Liquid Crystal Molecules Under The Influence Of An Electric Field ; A Theoretical Approach	Pramana - Journal of Physics	Vol-94:106 ,1-9 ISSUE 2020	2020
14	Spectroscopic And Physical Properties Of Novel Tetrazoles Derivatives As Anti-Tuberculosis Drugs : A Computational Approach	Journal of information and computational science	Vol-10 ,433-441 ISSUE 10	2020
15	A Detailed Study Of Reactivity Pattern Of Cytochrome P450 By Quantum Mechanical (Qm) Calculations : A Review	Compliance engineering journal	Vol-11 ,203-215 ISSUE 10	2020
16	Interaction of Carbozoles and their analogs with human cytochrome	Compliance engineering journal	VOL-11 ,187-194 ISSUE -10	2020
17	A Theoretical Perspective Of Controversy In Rebound Mechanism Of Hydroxylation By Cytochrome P450: A Microreview	Journal of scientific computing	Vol-9, 17-32 ISSUE -10	2020

### **Conferences, Seminars, Workshops & Talks**

<b>S.NO.</b>	<b>DETAILS</b>	<b>YEAR</b>
1	WOMEN EMPOWERMENT IN PRESENT SCENARIO	2018
2	EMERGING TREND IN PHYSICAL SCIENCE	2018
3	NANOSCIENCE AND NANOTECHNOLOGY	2017
4	NATIONAL SYMPOSIUM ON RECENT RESEARCHES IN PHYSICAL AND BIOLOGICAL SCIENCES	2011
5	16 <sup>th</sup> NATIONAL CONFERENCE ON LIQUID CRYSTALS	2009

### Awards & Recognitions

S.NO.	NAME OF AWARDS	YEAR
1	—	—
2	—	—

### Academic / Administrative Services to the College / University

S.NO.	DETAILS
1	ADMISSION COMMITTEE
2	HEAD OF PHYSICS DEPARTMENT
3	SUBJECT EXPERT IN SELECTION COMMITTEE OF HIGHER COMMISSION OF UTTAR PRADESH

### Research Guidance

S.NO.	NAME OF RESEARCH SCHOLAR	TOPIC	STATUS / YEAR
1	Mr. MUKESH KUMAR	COMPUTATIONAL STUDY OF MOLECULAR INTERACTIONS IN SOME MESOGENIC COMPOUNDS	ONGOING
2	Ms. SUGANDHA SHRIVASTAV	PHYSICO- CHEMICAL PROPERTIES OF SOME MESOGENIC MOLECULES QUANTUM MECHANICAL TECHNIQUES	ONGOING
3	Ms. PRIYA SHRIVASTAV	STUDY OF PHYSICO- CHEMICAL PROPERTIES OF SOME THERMOTROPIC LIQUID CRYSTALS	ONGOING
4	Mr. DIVYA DARSHAN TIWARI	QUANTUM MECHANICAL STUDIES OF PHYSICO- CHEMICAL PROPERTIES OF SOME LIQUID CRYSTAL MOLECULES	ONGOING