

CURRICULUM VITAE



NAME : Dr. Arun Kumar
DESIGNATION : Assistant Professor
DEPARTMENT : Chemistry
SPECIALIZATION : Inorganic Chemistry
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BLOOD GROUP : O+

QUALIFICATION DETAILS

S.NO.	QUALIFICATION	NAME OF UNIVERSITY	PASSING YEAR
1	PHD	Guru Nanak Dev University	2015
2	M.Sc. / M.A.	HNB Garhwal University	2009
3	B.Sc. / B.A.	MJP Rohilkhand University	2006

POSITIONS HELD

S.NO.	EMPLOYER	DESIGNATION	DATE FROM	DATE TO
1	Deen Dayal Upadhyaya College, University of Delhi, Dwarka, New Delhi	Assistant Professor (Ad- hoc)	04.08.2016	30.11.2016
2	Translational Health Science and Technology Institute (DBT Govt. of India), Faridabad	Research Chemist	25.10.2017	02.04.2018

3	Translational Health Science and Technology Institute (DBT Govt. of India), Faridabad	Research Associate-I	03.04.2018	31.10.2018
4	Translational Health Science and Technology Institute (DBT Govt. of India), Faridabad	Research Associate-II	01.11.2018	16.10.2019
5	Translational Health Science and Technology Institute (DBT Govt. of India), Faridabad	Technical Officer-II	17.10.2019	08.06.2022

ACADEMIC DETAILS

Significant Publications and Articles

S.NO.	TITLE	JOURNAL	VOLUME / ISSUE	YEAR
1	A fluorescent probe for estimation of adenosine diphosphate and monitoring of Glucose metabolism.	<i>Organic & Biomolecular Chemistry</i>	12	2014
2	Strategically designed biomodel: engineering C3–C4 cleavage of D-fructose.	<i>Organic & Biomolecular Chemistry</i>	13	2015
3	Thymidylate synthase inspired biomodel reagent for the conversion of uracil to thymine	<i>Chemical Communications</i>	51	2015
4	Identification of amino acid appended acridines as	<i>Bioorganic & Medicinal Chemistry</i>	25	2015

	potential leads to anti-cancer drugs	Chemistry Letters		
5	Stitching of Tyrosine and 10 <i>H</i> -Acridin-9-one: <i>Turn-ON</i> Fluorescence in the Narrow pH range 7.4 – 8.5 and Intracellular Labelling of Cancer Cells.	MedChemComm	7	2016
6	Bioinspired Design of Reagent Allows the Functionalization of C α -H of α , β -Unsaturated Carbonyl Compounds via Baylis-Hillman Chemistry Under Ambient Conditions	Chemical Communications	52	2016
7	Direct Conversion of Carboxylic Acids to Various Nitrogen-Containing Compounds in the One-Pot Exploiting Curtius Rearrangement	Journal of Organic Chemistry	84	2019
8	Synthesis and evaluation of thiophene based small molecules as potent inhibitors of <i>Mycobacterium tuberculosis</i>	European Journal of medicinal Chemistry	208	2020
9	Catalyst free <i>N</i> -formylation of aromatic and aliphatic amines exploiting reductive formylation of CO ₂ using NaBH ₄	RSC Advances	11	2021

Conferences, Seminars, Workshops & Talks

S.NO.	DETAILS (paper presentation)	YEAR
1	The “ IVth National Symposium on Advances in Chemical Sciences ” in Guru Nanak Dev University, Amritsar, India, 27 th -28 th February, 2013. Poster Presentation on “A fluorescent probe for estimation of	2013

	adenosine diphosphate and monitoring of Glucose metabolism".	
2	The "10 th NOST conference for Research Scholars" in IIT Madras, Chennai, India, 4 th -6 th December, 2014. Poster Presentation on Strategically designed biomodel: engineering C3–C4 cleavage of D-fructose.	2014
3		

Awards & Recognitions

S.NO.	NAME OF AWARDS	YEAR
1		
2		
3		

Academic / Administrative Services to the College / University

S.NO.	DETAILS
1	Assistant Professor (Ad-hoc) at Deen Dayal Upadhyaya College, University of Delhi, Dwarka, New Delhi
2	
3	

Research Guidance

S.NO.	NAME OF RESEARCH SCHOLAR	TOPIC	STATUS / YEAR
1			
2			
3			