




Shivaji College Faculty Details Proforma

Title	Dr.	First Name	Anil Krishan	Last Name	Aggarwal	Photograph
						
Designation		Associate Professor				
Address		92- Ground Floor, Anand Lok, New Delhi-110049				
Office Phone No.						
Residence		011- 41665829				
Mobile		9582585994				
Email		anilkrishan.aggarwal1729@gmail.com				
Web-Page						
Educational Qualifications						
Degree	University/Institute				Year	
Ph.D.	Title of Thesis "An MNDO Study Of Nucleophilic Addition To Some Nitrile Oxides" University of Delhi				1987	
M.Phil./M.Tech.						
PG	M. D. Rohtak				1984	
UG	M. D. Rohtak				1980	
Any Other Qualification						
Career Profile						

Administrative Assignments
<ul style="list-style-type: none"> • Care taker N.C.C. officer of the college NCC wing in 1995. • Coordinator, Department of Chemistry (1996-1997). • Teacher representative, Governing Body (1999-2000). • Deputy Superitendent Of Exam (1993 and 1994). • Teacher in Charge (2008-2009) • Deputy Superitendent Of Exam (2009). • Deputy Superitendent Of Exam for S.O.L. (2017). • Superitendent Of Exam for S.O.L. (2019). • Teacher in Charge (2018-2019)
Areas of Interest/Specialisation
Physical Chemistry
Subjects Taught
Physical Chemistry
Innovation Project/Research Projects (Major Grants/Research Collaboration)
Innovation project (2013-2015) Women's Participation in Politics and Society in Post-Globalisation Era: A comparative case- Study of three District; Rohtak (Haryana), Amritsar (Punjab) and Sriganganagar (Rajasthan) Principal Investigators: Dr. VPS Malik, Dept. of Pol. Sc., Mr. Bishnu Satapathy, Dept. of Pol. Sc., Dr. Anil Krishna Aggarwal, Dept. of Chem. , Dr. Ruchira Dhingra, Dept. of Hind. Mentor: Dr. Tapan Biswal, (S. O. L)
Publications Profile (Research Papers/Books)

1. 'An MNDO Study of the Reaction of Methanol with Fulminic Acid and Acetonitrile Oxide' K. K. Sharma and **Anil K. Aggarwal**, Int. J. Quantum Chem. **1986**, 30, 213-224.
2. 'A theoretical study of reaction of nitrile oxides with ammonia' K. K. Sharma and **Anil K. Aggarwal**, Indian J. Chem. **1987**, 26A, 906-913.
3. Synthesis and characterisation of copper (II) complexes of isopropylmethylketone semicarbazone, S. Chandra, **Anil K. Aggarwal** and K. K. Sharma, Synth. React. Inorg. Met. -Org. Chem. **1987**, 17, 811-826.
4. Synthesis of a typical chalcone and a flavanone of wyethia glabra, Sunanda Babber, S. Chandra and **Anil K. Aggarwal**, Indian J. Chem. **1987**, 26B, 797-798.
5. 'A theoretical study of reaction of nitrile oxides with methyl amine' K. K. Sharma and **Anil K. Aggarwal**, J. Mol. Str. **1988**, 181, 389-399.
6. 'An MNDO Study of the Reaction of hydrolysis of nitrile oxide' K. K. Sharma and **Anil K. Aggarwal**, Indian J. Chem. **1989**, 28A, 63-66.
7. 'Synthesis, structural elucidation and antimicrobial effectiveness of coordination entities of cobalt (II) and nickel (II) derived from 9,17-diaza-2,6,11,15-tetrathia-1,7,10,16-(1,2)-tetrabenzenacyclooctadecaphan-8,17-diene' Rajiv Kumara, Rajni Joharb and **Anil Krishan Aggarwal**, Eur. J. Chem. **2012**, 3 (1), 57-64.
8. 'Tailoring methodologies for the architecture of organometallic frameworks of Bi(V) derived from antibiotics: Spectral, MS, XRPD and molecular modeling with antifungal effectiveness' Rajiv Kumar, Rajni Johar and **Anil Krishan Aggarwal**, J Integr Sci Technol, **2013**, 1(1), 54-64.
9. 'Biomolecular interaction simulation of supramolecular topologies of organometallic assemblies of Bi(V) with antibiotic Tetracycline Amoxicilline drugs and their experimental evaluation' Rajiv Kumar, Kiran Gulia, Mina Chandra, **Anil Krishan Aggarwal**, Anil Kumar, Sandeep Mittan and Parashuram Mishra, J Biomed. Ther. Sci, **2019**, 6(2), 61-72.
10. 'Chemical engineering of separation membrane, interfacial strategies, and mathematical modeling: a thorough analysis' Rajiv Kumar, Karuna Mahajan, Chinenye Adaobi Igwegbe, **Anil K. Aggarwal**, M.A. Shah, Sangeetika, J. Integr. Sci. Technol. **2021**, 9(2), 75-84

Conference/Seminar/Faculty Development Programme/Workshop

1. Participant in **refresher course** in computer applications in Chemistry code CH-11 in **1991**.
2. Participant in **orientation course** in General and subject specific code-OR 10 in **1991**.
3. Participant in **refresher course** in chemistry entitled 'Advances in Chemistry' code CH-89 in **1999**.
4. **Resource Person** in the **Intra College** laboratory Skill Training Programme held from 10th – 14th July **2017** at Shivaji College, University of Delhi.
5. **Resource Person** in the **Intra College** laboratory Skill Training Programme held from 20th – 24th May **2019** at Shivaji College, University of Delhi.
6. **Resource Person** in the **Summer Training** held from 27th June – 3rd July **2019** at Shivaji College, University of Delhi.

7. **Organizer** in the **Annual festival** of Department of Chemistry held on 21st October **2019** at Shivaji College, University of Delhi.
8. **Resource Person** in the **Inter College** laboratory Skill Training Programme held from 27th Nov – 3rd December **2019** at Shivaji College, University of Delhi.
9. **Resource Person** in the **National Conference** on Relationship between Chemical Sciences and Society (RCSS-2020) held on 16th – 17th January **2020** at Shivaji College, University of Delhi.
10. **Supervisor** in the four weeks **Inter-College Online Summer Training Programme** on the Virtual World of Chemistry held on 1st – 28th July **2020** organised by Department of Chemistry, Shivaji College, University of Delhi.
11. **Resource Person** in the **Work shop for school teachers in biological and chemical sciences** held on 22nd March **2021** at Shivaji College, University of Delhi.
12. **Resource Person** in the **Intra College** laboratory Skill Training Programme held from 11th – 17th August **2021** at Shivaji College, University of Delhi.
13. **Resource Person** in the **Inter College** laboratory Skill Training Programme held from 14th – 20th September **2021** at Shivaji College, University of Delhi.

Research Guidance (Supervision of Doctoral Thesis/Dissertations)

Awards and Distinctions

1. Received Junior Research Fellowship from CSIR, India from August 1984 to August 1986.
2. Received Senior Research Fellowship from CSIR, India from September 1986 to August 1987.

Memberships

Fee Concession committee
Time table committee
Sports committee
Convener discipline committee 2018-2021
Anti-ragging committee 2018-2021
Garden committee 2021-2022

Other Academic Activities
Cultural/Extracurricular Activities

Signature of Faculty Member