



ZAKIR HUSAIN DELHI COLLEGE
(University of Delhi)

Faculty Details

(Please Fill the form and Email it to website@zh.du.ac.in)

Dr	Nadira	Arif	Photograph
Designation	Professor		
Address	Department of Chemistry Zakin Husain Delhi College J.L.N. Marg New Delhi- 110002		
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Educational Qualification			
Degree	Institution	Year	
Ph.D.	University of Delhi	1985	
M.Sc. Chemistry	Aligarh Muslim University	1981	
B.Sc. (H) Chemistry	Aligarh Muslim University	1979	
Career Profile			
Designation	Teaching Experience	Institution	
Professor	38 years	Zakir Husain Delhi College	
Administrative Assignments			
<ul style="list-style-type: none">• Bursar: April 2016 – May 2022• Deputy Superintendent Examination: 2006 - 2016• Program Coordinator, NSS: 2006 - 2014• Coordinator, Equal Opportunity Cell: 2007-2012• Coordinator, Enabling Unit: 2007-2012• Teacher-In -Charge (Department of Chemistry): 2021-22, 2010-11, 1996-97• Convener Admission Committee: 2021• Member Admission Committee: 2019-20• Member Sports Committee: 2017-18, 2018-19, 2019-20, 2020-2021, 2021-22• Member Students Aid Committee: 2020-21, 2021-2022• Member Garden Committee:			

Areas of Interest / Specialization
Inorganic Chemistry
Subjects Taught
B.Sc. (H) and B.Sc. Program – Inorganic Chemistry B.Sc. (H) – Analytical Chemistry B.Sc. (H) and B.Sc. Program - SEC, Basic Analytical Chemistry
Research Guidance
NIL
Publications Profile
<p>1. Synthesis and characterization of some metal complexes of 2, 4-dihydro-5-methyl-2-phenyl- 3H-pyrazol-3-one thiosemicarbazone; Synth. React. Inorg. Met-org. Chem. NOW PUBLISHED AS Inorganic and nano-metal chemistry, 1985, Vol. (15)3, 335-352</p> <p>2. Detection and determination of cyanide-A review; Intern. J. Environ. Anal. Chem., 1986, Vol.26, 115-136.</p> <p>3. Synthesis of Metal Complexes of antimalarial drugs and in vitro evaluation of their activity against P. falciparum; Inorg. Chim. Acta, 1987, Vol.135 (2), 133-137.</p> <p>4. Coordination complexes of drugs-Preparation and characterization of metal complexes of primaquine; Synth. React. Inorg. Met-org. Chem. NOW PUBLISHED AS Inorganic and nano-metal chemistry, 1987, Vol. 17(1). 129-141.</p> <p>5. In vitro evaluation of bacteriostatic activity of metal complexes of amodiaquine and primaquine; Inorg. Chim. Acta, 1988, Vol 151(4), 287-289.</p> <p>6. Coordination complexes of drugs- Preparation and characterization of metal complexes of amodiaquine- An antimalarial; Synth. React. Inorg. Met-org. Chem. NOW PUBLISHED AS Inorganic and nano-metal chemistry, 1988, Vol. 18(5), 19-24.</p> <p>7. Spectrophotometric determination of Ni(II) in industrial samples after separation by adsorption of its 1,4-dihydroxyanthraquinone complex on microcrystalline naphthalene; Asian Journal of Chemistry, 1991, Vol. 3(3), 248-251.</p> <p>8. Spectrophotometric investigations of the complexation between Ni(II) and thiocyanate in aqueous methanol; Polyhedron, 2003, Vol. 22, 3439-3444</p> <p>9. An efficient procedure for microscale synthesis of semi carbazones; Journal of Chemical Education, 2004, Vol. 81(1), 108.</p> <p>10. Simple test to distinguish between D-Glucose and D-Fructose;</p>

Resonance, 2007, 12(4), 92-94.

11. Metal toxicity....A threat;

Indian Journal of Bioresearch, 2009, 74(2), 134-135.

12. Antioxidants: Usefulness and toxicity;

Indian Journal of Bioresearch, 2009, 74(3), 222-225.

13. Long term exposure to some heavy metals induce stress in humans;

World Journal of Biology and Medical Sciences. 2014, Vol. 1(4) 49-58.

14. Simple, sensitive and cost-effective trace level determination of copper in alcoholic beverages and biological samples with 4-(2-pyridylazo) resorcinol in presence of neutral micellar medium using derivative spectrophotometry;

Journal of Emerging Technologies and Innovative Research; 2021, Vol.8(12).

15. A Review on the Synthesis, Properties, Applications and Harmful Effects of Alumina;

International Journal of Trends in Science Research and Development, 2022, Vol.6(3).

16. Physico-Chemical Analysis of Ceramic Industries Wastewater in Khurja District Uttar Pradesh(India);

International Journal of Trends in Science Research and Development, 2022, Vol.6(4).

Conferences Organization/Presentation (in last Five Years)

1. Paper titled "Physico-Chemical Characterization of Waste Water of Pottery Industries" presented in an International conference on Advances in Chemical Sciences and Nanocomposites, Jointly organized by Zakir Husain Delhi College and ISAS on 1st and 2nd April, 2022

2. Paper titled "Leaching of Heavy Metals from colourful Ceramic Food Wares: A Potential Risk to Human" presented in an International e-Conference on Recent Advancement in Chemical Sciences: Health, Environment and Society, ICRACS-2022, organized by Department of Chemistry, Deshbandhu College, University of Delhi

Research and Projects

Nil

Awards and Distinctions

Nil

Association With Professional Bodies

Life Member, Indian Society of Analytical Scientists

Other Activities