Curriculum Vitae

Personal Information

1. Name : **DR.NAHID NISHAT**

2. Designation : Professor

3. Husband's Name : Mohd. Waseem

4. Date of Jamia as joining lecturer in Chemistry : 9 Oct, 1998

5. Institution Address : Department of Chemistry.
Jamia Millia Islamia
New Delhi 110 025

6. Residence : Dr. Nahid Nishat,
H. No. 103, Ground Floor
Johri Farm
New Delhi 110 025
Phone No: 9540884412, 26981717
Ex- 3258, 3250
Email: nnishat@jmi.ac.in
nishat_nchem08@yahoo.com

Research Specialization :
Inorganic Chemistry
Coordination Chemistry
Bioinorganic Chemistry
Materials Chemistry

7. Teaching Experience (till date) : P.G Classes: 26 years
U.G Classes: 26 years

8. Experience of Guiding Research And No. of Ph.D. under supervision: **Awarded Ph. D: 23**
4 students are doing work

9. Google Citation: Total: 2894
H-index: 29
i10-index: 84

10.Reviewer of

a. Journal of applied polymer science
b. Journal of coordination chemistry
c. Journal of phosphorous, sulphur, and silicon and related elements.
d. Journal of molecular research
e. Molecules
f. European journal of medicinal chemistry
g. Molecular Diversity
h. ACS Omega
i. Journal of Inorganic and Organometallic Polymers and Materials.
j. New Journal of chemistry
k. Journal of polymer and environment
l. Chemical papers
m. Acta biomaterial
n. Reactive functional polymers
o. Environmental Chemistry Letters

12. Courses taught at Postgraduate and Undergraduate levels

- B.Sc. (S) I Year Physics, Maths, & Geography Paper I, General Chemistry.
- M.Sc. (Previous) Chemistry Semester I, Paper I, Group Theory and Spectroscopy-I.
- M.Sc. (Previous) Chemistry Semester II, Paper X, Group Theory and Spectroscopy-II.
- M.Sc. (Previous) Practical Materials Chemistry.
- M.Sc. (Final) Chemistry Semester III, Paper XI, Materials Chemistry, Conventional Ceramics.
- M.Sc. (Final) Chemistry Semester IV, Paper XV, Materials Chemistry, Technical Ceramics.
- M.Sc. (Final) Practical Semester I & Semester II, Materials Chemistry.
- M.Sc. (Final) Guiding Project, Materials Chemistry.
- Ph. D. Paper I, IR Spectroscopy and UV-Vis Spectroscopy.

13. Academic Qualifications

Degree	Institution	Year	Subject
Ph.D.	A.M.U. Aligarh	1993	Studies on the coordination compounds of transition metals ions.

M. Phil	-do-	1990	Inorganic Chemistry
M.Sc	-do-	1988	Inorganic Chemistry
B.Sc.	-do-	1986	Bot.,Zoo., Chem.,Eng.,Theology
PMC	-do-	1983	Bot., Zoo., Chem. Eng.,Theology
PUC	-do-	1982	Bot., Zoo., Chem. Eng.,Theology
High School	-do-	1981	Bot., Zoo., Chem. Eng.,Theology

14. Research and Teaching Positions

Duration	**Institution**	**Designation**	**Nature of work done**
1992-93	A.M.U. Aligarh	JRF	Doing Ph.D.
1992	-do-	MAAS	-do-
1995-98	-do	RA (CSIR)	Research and experimental work Helping Ph.D. students in their research work
1998-01	Jamia Millia Islamia	Lecturer (Temporary)	Taught B.Sc. classes and M.Sc. classes. Guided M.Sc. students for their Project work in the field of Materials/ Inorganic Chemistry
2001-02	-do-	Lecturer (Guest)	Taught B.Sc. classes and M.Sc. classes. Guided M.Sc. students for their Project work in the field of Inorganic Materials/ Inorganic Chemistry
2002-06.	-do-	Lecturer (Permanent)	Taught B.Sc. classes and M.Sc. classes. Guided M.Sc. students for their Project work in the field of Materials Chemistry/ Guided PhD. Students.
Feb.2006-Nov. 2006	-do-	Sr. Lecturer	-do-
25thNov. 2006 to Nov. 2009	-do-	Reader	-do
25th Nov.2009 to Nov. 2012	-do-	Associate Professor	-do-
25th Nov. 2012 to till date	-d0-	Professor	-do-

15. Awards

1. "Received Young Scientist Award" from Third World Academy of Sciences for Project, 2001.
2. Poster Presentation Award "GTER-2012", 11-13 February 2012, Gurukul Kangri Haridwar. (Received Best Poster Presentation Award).
3. Received Ist Division IIIrd Position award in Xth class from A.M.U. Aligarh
4. Received various awards at school and college level for debate, essay, quiz competition and extra-Curricular activities etc.

16.Research Projects Undertaken

Research projects	Agency	Cost	Duration
Synthesis, Characterization, structural elucidation, electrochemistry and biocidal studies of homo and heterobimetallic macrocyclic complexes.	TWAS	Rs 4,00,000	2001-2003

17. Projects guided at Postgraduate level: > 50 Projects

1. Student Name: **Prashant Shukla**
Title: Preparation and properties of hydroxyapatite nanomaterials.

2. Student Name: **Varun Kumar**
Title: Introduction to magnetic ceramics

3. Student Name: **Rashid Ilmi**

4. Student Name: **Shadma Parveen**
Title: "Synthesis and Characterization of Piperazine containing Bisphenol-(A) Formaldehyde Resin and its Transition Metal Complexes.

5. Student Name: **Rajesh Kumar**
Title: "Resins and their application in antimicrobial coatings development"

6. Student Name: **L Meren AO**
Title: "Development of thermoplastic and thermosetting polyester"

7. Student Name: **Firoz Ahmad Khan**
Title: "Metal complexes as modifier for epoxy resin"

8. Student Name: **T Thaumkhan Vung**
Title: "Development and application of polyesters"

9. Student Name: **Anna Farooq**
Title: "Synthesis, Characterization Andantimicrobial activity of thiosemi-carbazide formaldehyde resin"

10. Student Name: **Manju**

11. Student Name: **Vivek Kumar(2009)**

Title: Spectral, thermal and biocidal activities of newly developed polymeric Schiff base and its polymer metal complexes.

12. Student Name: **Shaad Ahmed (2009)**

13. Student Name: **Usha (2010)**

Title: Synthesis and characterization of thermally stable and biologically active metal based Schiff base polymer.

14. Student Name: **Iram Quadri (2010)**

Title: Synthesis and characterization of metal incorporated aniline formaldehyde resin modified by amino acid for antimicrobial application.

15. Student Name: **Anubha Gupta (2010)**

Title: Development of biological active metal containing polyurea from Thiosemicarbazide and hexamethylenediisocynate.

16. Student Name: **Mehraj-ud-din Parray (2011)**

Title: Synthesis, characterization and biological application of nano metal oxides.

17. Student Name: **Shamshun Neha (2011)**

Title: Synthesis characterization and antimicrobial activity of Schiff's base nano metal complexes using micro emulsion methods.

18. Student Name: **NitilKumar (2012)**

Title: Synthesis, characterization and thermal studies of coordination polymers of transition metal ions.

19. Student Name: **Amita Pipal (2012)**

Title: Synthesis and characterization of nanoparticles of CuO, NiO and CoO and their encapsulation by urea formaldehyde.

20. Student Name: **Mohd Asif (2012)**

Title: Synthesis and characterization of metal oxide nano particles.

21. Student Name: **Shakeel Ahmad (2012)**

Title: Synthesis and characterization of nano metal oxides by reverse micelle method.

22. Student Name: **Mohd. Waseem (2013)**

Title: Synthesis, characterization and antimicrobial studies of Schiff base metal polychelates.

23. Student Name: **Mohd. Amir bin Riyaz (2013)**

Title: Synthesis and characterization of nano size copper oxide, nickel oxide and cobalt oxide encapsulated with thiourea formaldehyde resin.

24. Student Name: **Prashant Kumar Mishra (2014)**

Title: Synthesis and characterization of coordination polymers of agro byproducts (cashew nut shell liquid and furfuraldehyde.

25. Student Name: **Brhamjot Kaur (2014)**

Title: Mn (II) & Co (II) complexes of CNSL- formaldehyde & their polymers: synthesis & characterization.

26. Student Name: **Mimma Begam (2015)**

Title: Synthesis & Characterization of Coordination polymers based on Mg (II) ions and CNSL-furfuraldehyde ligand.

27. Student Name: **Shabnam (2015)**
Title:Development of Coordination polymer derived from Mg(II) ion and CNSL-formaldehyde as a ligand.

28. Student Name: **Shumaila Masood (2016)**
Title:Synthesis, Characterization & ChemicalResistance performance of HMTA cured cardanol formaldehyde free standingfilm.

29. Student Name: **Pooja (2016)**
Title: Development of Mg^{II} coordination polyurethanes: Synthesis, characterization and ads orption behavior.

30. Student Name: **Arshi (2017)**
Title: Development of Mn(II) Coordination Polyurea: Synthesis, characterization and adsorption behavior.

31. Student Name: **Rachna (2017)**
Title: Development of coordination polymer of Schiff base: Synthesis, characterization and adsorption behavior.

32. Student Name: **Akram (2018)**
Title:Development of Divalent metal coordinated polyurethanes: Synthesis, characterization and adsorption behavior.

33. Student Name: **Jigyasa Pathak (2018)**
Title: Synthesis, Characterization and Dye Adsorption studies of Moisture resistant thin films of PVA/Chitosan/CuO nanocomposites.

34. Student Name*:* **Ali Alhaji sani** *(2018) (Division of chemistry, school of basic and applied Sciences*
Galgotia university Noida U.P)
Title: "Computational analysis of Anacardic acid Deravatives"

35. Student Name*:* **Pankaj Kumar** ***(2018)*** *(Division of chemistry, school of basic and applied Sciences, Galgotia university Noida U.P.*
Title: "Development of ambient curedcardanole formaldehyde based polyurethane coatings and films"

36. Student Name*:* **Reena Kumari** ***(2018)*** *(Division of chemistry, school of basic and applied Sciences, Galgotia university Noida U.P.)*
Title: "Comparitive studies on HMTA crosslinked CNSL formaldehyde and furfuraldehyde based coatings"

37. Student Name: **Abshar Afroz (2019)**
Title:Synthesis, Characterization and Application of Tin oxide Based Nanoparticles.

38. Student Name: **Bushra Parveen (2019)**
Title:Synthesis and Characterization of Cardanol derived Polyol (Resole) and its Polyurethane Films.

39. Student Name: **Diksha Rana (2019)**
Title:Synthesis and Characterization of Phenalkamine from Renewable Material Cardanol (CNSL)

40.Student Name: **Renu Choudhray (2020)**
Title: Development of bare and modified Aluminium nanomaterials from Plant Extract.

41. Student Name: **Mohd. Ibraheem (2020)**
Title: Development Of Cardanolbased Polyurethanes.

42. Student Name: **Nancy Jain (2020)**
Title: Synthesis and Characterization of pure and modified Magnessium nanomaterials with Plant Extract.

43. Student Name: **Shujaat Rizwan (2020)**
Title: Interaction Studies of Polymers of SDS and flavonoids.

44. Student Name: **Suhail Choudhray (2020)**
Title: Development of Cashew nut Shell Liquid based Coordination Polymeric Resin

45. Student Name: **Fatima Anwar (2021)**
Title: Chemistry of Cardanol: Greenary through Cashew tree.

46. Student Name: **Adiba Zohra (2021)**
Title: A Review on plant extracts based synthesis of silver nanoparticles for biomedicals applications.

47. Student Name: **Dhruv Gupta (2021)**
Title: A Review Metal organic framework for versatile applications

48. Student Name: **Kajal Gupta (2023)** *(Division of chemistry, school of basic and applied Sciences, Galgotia university Noida U.P.)*

Title: "Synthesis, Characterization and Thermal Stability of Technical Cashew Nut Shell Liquid based Polyurethane Coatings

49. Student Name: **Pushpraj tyagi (2023)** *(Division of chemistry, school of basic and applied Sciences, Galgotia university Noida U.P.)*
Title: development of Cardanol (Phenolic lipid) based on Novolac/Resol Nanocomposites for Anticorrosive Applications

50. Student Name: **Syed Alqa Hmdani (2023)**
Title: Synthesis, characterization, and antioxidant studies of polyurethane nanocomposite

51. Student Name: **Mansi Bhadra (2023)**
Mansi ka ye hai
Title: Development of polyurea Mn(II) composite: Synthesis, characterization and antioxidant studies

52. Student Name: **Roshni (2023)**
Title: Synthesis, characterization, and antioxidant studies of Schiff-based polymer-Ag nanocomposites

53.Student Name: **Shibina** (**2024**)
Title: Green synthesis of silver, copper Oxide and silver Dopped copper oxide nanoparticles from lemon grass

54.Student Name: **Sonia Goyal (2024**)
Title: Design of metal coordinated Schiff base nanocomposite:charactrtisation ,antioxidant and adsorption behavior

18. Details of Orientation Program /Courses undertaken

❖ **Orientation Course**

Participated in 70th four week orientation Program from 23rd Nov. to 21th Dec. 2004 Conducted by Academic Staff College JMI New Delhi 110 025.

19. Details of Workshops attended

1. Workshop on paper setting- March 2002
2. Gender Sensitization –30th Jan. 2003
3. GIAN course 2016.

20. Activities:

Extra-Curricular

- ❖ Tour incharge "M.Sc. Chemistry" 2003, 2007 and "Final Student of Electronics Engineering" 1998. JMI
- ❖ Tour Incharge B.Sc (Chemistry) Students 2009, JMI
- ❖ Chemistry Subject Association Organized a badminton tournament, M.Sc (Chem.) and B.Sc (Chem.) Students Held On 9th Nov 2010 Senior Secondary School Ground,JMI.
- ❖ Chemistry Subject Association Organized a Chemistry Quiz Competition, Held on 18 January 2011 at Lecture Theatre, Department of Chemistry. JMI
- ❖ Tour Incharge B.Sc (H) Chemistry Students 2011, dated 15 Dec -19 Dec 2011, JMI
- ❖ Chemistry Subject Association Organized extempore Lecture Competition among B.sc (H) Chemistry and M.Sc. Chemistry Students, Held on 21 Oct 2011 at Lecture Theatre, Department of Chemistry JMI.
- ❖ Chemistry Subject Association Organised Debate Competition among B.sc (H) Chemistry and M.Sc Chemistry Students, held on 1st February 2012 at Lecture Theatre, Deptt. Of Chemistry JMI.
- ❖ Chemistry Subject Association Organised Quiz Competition among M.Sc Chemistry Students, held on 2012 at Lecture Theatre, Deptt. Of Chemistry JMI.
- ❖ Chemistry Subject Association Organized a Debate Competition, Held on 28 February 2011 at Lecture Theatre Department of Chemistry JMI.

- Chemistry Subject Association Organized a Poster Competition, Held on 17 February 2011 at Lecture Theatre Department of Chemistry JMI.
- Tour Incharge of B.Sc and M.Sc Chemistry students 2012, dated Dec 2012.
- Tour Incharge M.Sc Chemistry Students 2013, dated 23 Dec 2013 to 2 Jan 2014.
- Tour incharge M.Sc Chemistry Students 2014, dated 26 Dec 2014 to 6 Jan 2015.
- Tour incharge M.Sc Chemistry Students 2015, dated 26 Dec 2015 to 6 Jan 2016.
- Tour incharge M.Sc Chemistry Students 2016, dated 26 Dec 2016 to 5 Jan 2017.
- Chemistry Subject Association Organized a Lecture on " Synthesis and Characterization of Catalytic and Sensor Materials" by Dr. K.S. Rane UGC- Emeritus Fellow Rani Chennama University RCU Belgaun, at 24 Jan. Feb. Tuesday, 2012 at 3 p.m. at Lecture Theatre Deptt. Of Chemistry JMI.
- Chemistry Subject Association Organized a Lecture on " Synthetic strategies for the preparation of Inorganic materials" by Dr. Taimur Athar, Indian Institute of Chemical Technology Hyderabad A.P. India at 28 Feb. Tuesday, 2012 at 3 p.m. at Lecture Theatre Deptt. Of Chemistry JMI.
- Chemistry Subject Association Organized a Lecture on " Nanobiotechnology for Sustainable growth addressing grand Challenges of the 21st Century" by Dr. Nadia Adams Research Professor University of Wyomong USA CEO & Founder of Biomineral System at 16Jan. Monday, 2012 at 3 p.m. at Seminar hall Centre for Theoretical Physics JMI.
- Chemistry Subject Association Organized a " Informative Seminar for Students regarding their prospects of Studying Abroad and the availability of loans and Scholarships at 20 Jan., 2012 at 3 p.m. at Lecture Theatre Deptt. Of Chemistry JMI.
- Chemistry Subject Association Organized a Lecture " Vigilance Awareness Vigilant India Prosperous India ' by Haris Bin Zaman IPS, ASP Giridih Police Station Jharkhand at 2nd Nov. 2020 at 3 p.m. at Online Deptt. Of Chemistry JMI.
- Chemistry Subject Association Organized a Lecture on Environmental Remediation to protect Human Health and Environment – Case Study by Dr. Bhavesh Chakrabarti Sr. Project Manager Veolia North America at 14Oct., Monday 2019 at 3 p.m. at Lecture Theatre Deptt. Of Chemistry JMI.

- Chemistry Subject Association Celebrated a Birth Anniversary of Maulana Abul Kalam Azad as National Education Day on 11 Nov.2019 at 3 p.m. in Deptt. Of Chemistry JMI.
- Chaired One Technical Session in National Conference on Polysaccharides SPARC, NPES-2019 Held in Deptt. of Chemisrty Jamia Millia Islamia 2019.
- Exploring nucleic acids based applications via nanotechnology delivered by Dr. Mahima Kaushik held on 27.03.2018.
- SWR1C: A nucleosome editing ATPase motor delivered by Dr. Raushan Singh held on 25.09.2018
- Water Harvesting & Conservation through an Enhanced Geoscientific Knowledge for Swachhta Pakhwara delivered by Prof. Shakeel Ahmed dated held on 13.9.2019.
- Environmental Remediation to Protect Human Health and Environment – A Case Study delivered by Dr. Bhabesh Chakrabarti held on 14.10.2019.
- Nanoparticles and their effects on Biochemistry and functional activities of spermatozoa In Vivo and In Vitro delivered by Prof. Saber Mohamed Abd-Allah held on 30.01.2019.
- Dr. Sal Prima Yudha S, Researcher, Universitas Bengkulu, Indonesia Research Scholars of the Department interacted with Dr Sal Prima Yudha S. held on 06.12.2019.
- Vigilance Awareness "Vigilant India, Prosperous India" delivered by Haris Bin Zaman (IPS) held on 02.11.2020.
- Vigilance Awareness "Independent India @ 75: Self Reliance with Integrity" delivered by Dr. Md Ejaz Alam held on 29.10.2021.
- Concept for design and development of plastic products delivered by Prof Roli Purwar held on 28.02.2022.
- Applications of Nanoparticles on Animal Biotechnology delivered by Prof. Saber Mohamed Abd-Allah held on 10.06.2022.
- Swatch Bharat: Goal and Issues delivered by Prof. Sirajuddin Ahmad held on 14.09.2022
- Anti-corruption Laws in India to control Corruption" delivered by Prof. Mohammad Asad Malik held on 02.11.2022.
- Solution-Processed Semiconductor Materials for Solar Energy Conversion delivered by Prof. David J. Fermin held on 22.02.2023.
- Green Growth Opportunities for Sustainable Development in India delivered by Prof. Subhra Das held on 17.03.2023.

- Chemistry in aid of eco-friendly lifestyle delivered by Dr. Anirban Das held on 24.03.2023.
- Say no to Corruption; commit to the Nation delivered by Prof. Mohammad Asad Malik, Faculty of Law, JMI held on 01.11.2023

Academic Activities

- Chemistry Subject Association Advisor, Dec. 2009 to Nov.2012.
- Student Advisor of B.Sc. (H) II year, 2004.
- Coordinator "Natural Science Info Fest 2008".
- Assistant Superintendent of M.Sc. (Chemistry) Examination 2006-12.
- Assistant Superintendent of entrance test of 9^{th} class of Jamia Senior Secondary School 2010.
- Assistant Superintendent of entrance test of 12^{th} class of Jamia Senior Secondary School 2010.
- Assistant Superintendent of entrance test of graduate course of Social Science and History held on June 2011.
- Assistant Superintendent of UGC-NET Test held on Dec 26 2010 centre Awadh centre of education (Sub: Hindi, English, Russian)
- Assistant Superintendent of UGC-NET Test held on Dec 24,2011 Centre Awadh centre of education (Sub: Social Sc. and English)
- Assistant Superintendent of M.Sc. (Chemistry) I^{st} and III^{rd} Semester Examination 2012 held from I^{st} Dec to 16^{th} Dec 2012.
- Assistant Superintendent of Ph.D. (Chemistry) Examination 2012 held on 18 Feb and 24 March 2012.
- Assistant Superintendent of M.Sc. (Chemistry) Annual Examination 2012 held from 9th April 2012 to 4^{th} May 2012.
- Assistant Superintendent of M.Sc. (Chemistry) 2^{nd} and 4th Semester Examination 2012 held from 2^{nd} May 2012 to 21^{st} May 2012.
- Assistant Superintendent of Entrance Test of Social Sciences (B.A.) Held on 6^{th} June 2012 from 9: 00 to 10:45 A.M. and 3:00 to 4:45 P.M. held in N.T.B building.

- Assistant Superintendent of Entrance Test of Islamic studies (B.A.) Held on 7th June 2012 from 3:00 to 4:45 P.M. held N.T.B building.
- Assistant Superintendent of Entrance Test of Natural Sciences (B.Sc.) Held on 8th June 2012 from 9:00 to 10:45 A.M. and from 3:00 to 4 40 P.M. in N.T.B building.
- Assistant Superintendent of entrance test of MCA/PGDCA 2012 held on 15 June 2012 from 11: 30 p.m. to 1:00 p.m. in NTB building.
- Member of Board of Studies, Department of Chemistry, J.M.I., 1998-2001, 2002-till date.
- Member of Screening Committee, Research Student, 2006-07
- Member of Department Admission Committee of B.Sc. and M.Sc. (Chemistry) Student, 1998-2012
- Member of Moderation committee of M.Sc 2nd and 4th Semester question papers 2012.
- Member of Purchase committee of the Department 2012. Deptt. Of Chemistry, JMI.
- Member of BSR fellowship selection committee for meritorious students, 2012.Deptt. Of Chemistry, JMI.
- Revised the Syllabus of B.Sc (s) Ist year General chemistry –paper no.1 and practicals.
- Revised the Syllabus of M.Sc. Chemistry III & IV Semesters. Functional Ceramics and Conventional Ceramics, Paper no. XI & Paper no. XV.
- Member of Organizing Committee of "Recent Advances in Chemistry" (RAC). JMI.
- Member of Department Admission Committee, M.Sc. Chemistry, Interview Board, 2012.
- Assistant Superintendent of entrance test of 9th class of Jamia Senior Secondary School held on 1st June 2014.
- Member of Purchase Committee of the Department 2015. Deptt. Of Chemistry, JMI.
- Assistant Superintendent of M.Sc. (Chemistry) 2nd and 4th Semester Examination 2017 held from 2nd May 2017 to 28th May 2017.
- Officiating Head in the Department of Chemistry, JMI – 22nd October 2016.
- Officiating Head in the Department of Chemistry, JMI – 3rd December 2016.
- Officiating Head in the Department of Chemistry, JMI – 10th December 2016 to 11th December 2016.
- Officiating Head in the Department of Chemistry, JMI – 15th December 2016.
- Officiating Head in the Department of Chemistry, JMI – 13th July 2017 to 16th July 2017.
- Assistant Superintendent of M.Sc. (Chemistry) 1st and 3rd Semester Examination 2017

held from 1st December 2017 to 16th December 2017.

- Assistant Superintendent of M.Sc. (Chemistry) 2nd and 4th Semester Examination 2018 held from 1st May 2018 to 21st December 2018.
- Officiating Head in the Department of Chemistry, JMI – 10thMarch 2018.
- Officiating Head in the Department of Chemistry, JMI – 9th January 2018.
- External Member of Board of studies meeting, Galgotia University, Greater Noida, meeting was held on 15May2018.
- Member of Department Moderation Committee, B.Sc. Chemistry, Dt.20/11/18 .
- External Member of Board of studies meeting, Gautam Budh University, Greater Noida, meeting was held on 2018.
- External Examiner of Interview Board of Gautam Budh University, Greater Noida, Interview was held on 2018.
- Assistant Superintendent of Ph.D (Chemistry), 2019 held in March 2019
- Assistant Superintendent of M.Sc. (Chemistry), 2019 held in May 2019
- Member of Department Moderation Committee, B.Sc. Chemistry, Dt.22/04/19.
- External Member of board of Travel Grant Meeting UGC Bahadur shah Zafar Marg, New Delhi 2019.
- External Member of Board of studies meeting, Gautam Budh University, Greater Noida, meeting was held on August 2019.
- Assistant Superintendent of M.Sc. (Chemistry) 2ndand 4th Semester Examination 2019-2020 held from December 2019 to January 2020.
- Officiating Head in the Department of Chemistry, JMI-25th and 26th January 2020.
- External Member of board of Travel Grant Meeting UGC Bahadur shah Zafar Marg, New Delhi 2020 meeting held on January 2020.
- Officiating Head in the Department of Chemistry, JMI, 11- 13 Oct. 2020.
- Officiating Head in the Department of Chemistry, JMI, 13- 17 Nov. 2020.
- Member of Sub-Purchase Committee Of Department of Chemistry 2020.
- Member of Space Committee Of Department of Chemistry 2020, 2021 meeting held on 28 jan 2021.
- Member of Department Moderation Committee, B.Sc. Chemistry (P &S), Dt.16/12/2020.

- ❖ Expert member of RAC Committee of Deptt. Of Chemistry 2020-2021. Meeting dt.28/12/2020 and 28/01/2021.
- ❖ HOD Deptt. of Chemistry from 2/2/2021 till date.
- ❖ Chair person of RAC Committee Of Deptt. Of Chemistry 2021. Meetings held on Dt.17/2/2021&15/6.2021.
- ❖ Chair person of BOS Of Deptt. Of Chemistry 2021. Meetings held on Dt.17/2/2021. Dt.08/4/2021. Dt 29/6/2021.
- ❖ Chair person of meeting Of Deptt. Of Chemistry 2021. Meetings held on Dt.16/2/2021. Dt.07/4/2021. Dt. 24/6/2021.
- ❖ Member of Faculty Committee of Natural Sciences 2021. Meeting dt.23/02/2021.
- ❖ Member of Academic Council of JMI, meetind held on 3/6/2021-2023.
- ❖ Member of Departmental Moderation Committee 2024-2024.

Organized a Seminar (as a Convener)

Title of Seminar	Date	Funding Agency	Venue
Chemistry in our Lives-Issues and Challenges	28,March 2011	Under UGC and SAP Program	Centre for theoretical physics Seminar room

"Launched a Students Magazine **"*CHEM PERSPECTIVES*"** Session 2010-11, Department of Chemistry Jamia Millia Islamia"

Seminars & Conferences:

1. Paper Contributed, 29th Annual Convention of Chemists, Dec 26-30, 1992, held in Rewa.
2. Paper Contributed, Indian Council of chemist, 14th Annual Conference, Dec 28-30, 1995, Held in Bombay
3. Paper Presented, ICMA, AMU Platinum First International Conference, March 18-20, 1996 Held in Aligarh.
4. Paper Contributed, Indian Council of Chemist 1996, held in Aurangabad.
5. Paper Contributed, Symposia on Advances in Bioinorganic Chemistry, held at TIFR, Bombay 1996.

6. Paper Contributed, Indian Council of chemist, 17th Annual Conference, 1998, Held at Chennai.
7. Paper Contributed, National symposium on current trends in chemical research, 27-28 February 2004 held at Guwahati.
8. Poster presented by student, one day seminar on "Chemistry in our lives-issues and challenges," 28 March 2011, Jamia Millia Islamia, New Delhi (received best poster award).
9. Poster presented by student, one day seminar, "Recent Advances in Chemistry, (RAC-2011)," 21 March 2011, Jamia Millia Islamia, New Delhi (received third prize).
10. Poster presented by student "International conference on chemistry: Frontiers and challenges," 6-7 March 2011, AMU, Aligarh, India.
11. Poster presented by student in "International conference "Polymer science and engineering: Emerging Dimensions" (PSE-2010), 26-27 November 2010, University institute of chemical engineering and technology, Chandigarh, India.
12. Poster presented by student in International Conference on polymers "Advances in Polymer Science & Technology" 28-31 January 2008,Indian Institute of Technology and India Habitat Centre, New Delhi, India.
13. Attended "Science Info-Fest" Jamia Millia Islamia New Delhi in January 2007.
14. Poster Presented in "GTER-2012",11-13 February 2012, Gurukul Kangri Haridwar. (Received Best Poster Presentation Award).
15. Oral Presentation in "Recent Advances in Pharmaceutical Biotechnology and Biodiversity", 25-26 February 2012, Dev Bhoomi Institute of Applied Sciences, Dehradun.
16. Poster Presented, "New Vistas in Chemistry", 2-3 March 2012, AligarhMuslimUniversityAligarh.
17. Poster Presented, "Recent Advances in Chemistry", 12 March 2012, Jamia Millia Islamia.
18. Poster presented, one day seminar, "Recent Advances in Chemistry, (RAC-2009),"January 19, 2009, Jamia Millia Islamia, New Delhi.
19. Poster presented, one day seminar, "Recent Advances in Chemistry, (RAC-2010),"March 12,2010, Jamia Millia Islamia, New Delhi.

20. Development of thermally stable and biologically active metal [Mn(II), Ni(II),Co(II), Cu(II) and Zn(II)] based Schiff based polymers, APA International conference on Polymers: Vision & Innovation, APA 2014, Organized by APA and IIT Delhi, Habitat Centre, New Delhi, India, 19^{th} -21^{st} Feb 2014 (**Poster presentation**).
21. Studies on bio-resource derived ligand and transition metal ions –based coordination complexes/polymers for biomedical application, APA International conference on Polymers: Vision & Innovation, APA 2014, Organized by APA and IIT Delhi, Habitat Centre, New Delhi, India, 19^{th} -21^{st} Feb 2014 (**Contribution**).
22. Synthesis, characterization and biological activity of transition metal ions coordination polymers based on schiff base ligands (Accepted), POLYCHAR22, Organized by University of Stellenbosch, Dept of Chemistry& Polymer Science, STIAS Centre, Stellenbosch, South Africa, 7^{th} -11^{th} April 2014 (**Accepted as Oral presentation**).
23. Synthesis and characterization of biologically active coordination complexes/polymers from agro- byproduct POLYCHAR22, Organized by University of Stellenbosch, Dept of Chemistry& Polymer Science, STIAS Centre, Stellenbosch, South Africa, 7^{th} -11^{th} April 2014 (**Contribution**).
24. CNSL based coordination polymers as drug-carrier system, 1^{st} International Conference On Emerging Trends Of Nanotechnology In Drug Discovery, Organized by Sri Venkateswara College & Department of Biochemistry, University of Delhi South Campus, INDIA, In association with Centro de Quimica da Madeira, University of Madeira, PORTUGAL, May 26-27, 2014 **(Contribution).**
25. Studies on CNSL (Organic Ligand) and Divalent Transition Metal Ions –Based Coordination Complexes, International Conference on Electron Microscopy and XXXV Annual Meeting ofthe Electron Microscope Societyof India will be jointly organized by University of Delhi, Delhi, India and Electron microscope society of India during**9^{th} - 11^{th}** July, 2014 **(Contribution).**
26. Biologically Active and Thermally Stable Polymeric Schiff base and its Coordination Polymers with some Divalent Transition Metals Ions**(Oral presentation),**3rd International Conference On"Innovative Approach in Applied Physical, Mathematical/Statistical, Chemical Sciences and Emerging Energy Technology for

Sustainable Development(APMSCSET-2014),Social Welfare Foundation"In association with"KrishiSanskritiat JNU, September 27-28, 2014.

27. Synthesis and characterization of porous coordination complex/polymer from cashew nut shell liquid (CNSL) sustainable development **(Oral presentation),** 3rd International Conference On"Innovative Approach in Applied Physical, Mathematical/Statistical, Chemical Sciences and Emerging Energy Technology for Sustainable Development(APMSCSET-2014),Social Welfare Foundation"in association with"KrishiSanskritiat JNU, September 27-28, 2014. **(Contribution).**
28. Development of antimicrobial agents based on coordination polymers of Schiff base ligands, International Conference on Polymeric Biomaterials, Bioengineering and Biodiagnostics(Biomaterials -2014), Jointly organized by Indian Institute of Technology (IIT) Delhi, ENEA, Rome, Italy and National research Council of Italy under the auspices of Asian Polymer Association(APA) at Radisson Blue Hotel, Dwarka, New Delhi, India, 27^{th} -30^{th} October 2014.
29. Synthesis, characterization and antimicrobial activity of cardanol-metal ions coordination complexes / polymers **(Oral presentation),**International Conference on Polymeric Biomaterials, Bioengineering and Biodiagnostics(Biomaterials -2014), Jointly organized by Indian Institute of Technology (IIT) Delhi, ENEA, Rome, Italy and National research Council of Italy under the auspices of Asian Polymer Association(APA) at Radisson Blue Hotel, Dwarka, New Delhi, India, 27^{th} -30^{th} October 2014 **(Contribution).**
30. Development of CNSL-Transition Metal Ions Coordination Complexes/Polymers and their Biomedical Applications, International Conference on Polymeric Biomaterials, Bioengineering and Biodiagnostics(Biomaterials -2014), Jointly organized by Indian Institute of Technology (IIT) Delhi, ENEA, Rome, Italy and National research Council of Italy under the auspices of Asian Polymer Association(APA) atRadisson Blue Hotel, Dwarka, New Delhi, India, 27^{th} -30^{th}October 2014 **(Contribution).**
31. Development of nanostructured coordination polymers based on CNSL-formaldehyde and divalent transition metal ions**(Poster Presentation)**,International Conference, NanoSciTech 2016**,**"Improving Quality of Life using Nanotechnology: Potential Role of Polymers" at Panjab University,Organised by Panjab University, Chandigarh, India, 18^{th}-20^{th} February 2016**(Contribution).**

32. Synthesis and characterization of nanostructured Mn(II) coordinated polyurethane **(Poster Presentation),** International Conference, NanoSciTech 2016**,**"Improving Quality of Life using Nanotechnology: Potential Role of Polymers" at Punjab University,Organized by Punjab University, Chandigarh, India, 18th- 20th February 2016**(Contribution).**
33. Nanostructured Coordination Polyurethanes Based on CNSL-Formaldehyde and Mn(II) metal node: Synthesis, Characterization and Adsorption behavior**(Poster Presentation),** International Conference on Recent Advances in Chemical Sciences at Aligarh Muslim University, Organised by Aligarh Muslim University Aligarh, India, 29th- 30th March 2016**(Contribution).**
34. Presented a poster on International Conference on Science and Engineering of Materials, School of Engineering and Technology Sharda University, Greater Noida, 6-8 January 2018.
35. Presented a scientific poster on American chemical society on Campus, University of Delhi on 5th February 2018.
36. Presented a invited talk on International Symposium on Advances in Functional and Biological Materials ISAFBM-2019 February 28, 2019 Lucknow.
37. Presented a poster on 2nd International Conference on Chemistry, Industry and Environment held on 18 & 19 February 2019 in Department of Applied Chemistry, Zakir Husain College of Engineering & Technology, Aligarh Muslim University, Aligarh.
38. Presented an invited talk on 3rd international conference on science and engineering of materials (ICSEM), July 19-21, 2019 held in Sharda University, Greater, Noida.
39. Chairperson of MHRD SPARC sponsered Indo-US webinar and Lecture series of Deptt. Of Chemistry June 8, 2021.
40. Chairperson of MHRD SPARC sponsered Indo-Australian webinar and Lecture series of Deptt. Of Chemistry March 21, 2021.
41. Chief Guest of National webinar Organised by Deptt. Of Chemistry J.M.College Bhurkunda Ramgarh Jharkhand Vinoba bhave university Hazaribag.
42. Presented a poster at International Workshop On Advanced Materials, Al Khaimah, UAE, 18 February to 23 February2023

43. Presented a poster at International Conference on Recent Advances In Applied Chemical Sciences, organized by the chemistry section, school of sciences, Maulana Azad National University ,Hyderabad India on 23-24 February 2024

21. Details of Research Guidance

(i) Ph.D. thesis awarded

1. Name of student:Tansir Ahamad

Thesis Title:"Synthesis, Characterization and Anti-Microbial activity of coordination polymers."

Year: 2006

2. Name of Student: Vikrant Kumar

Thesis Title:"Studies on the coordination compounds of transition metal ions with multidentate ligands containing N, S, and O donor atoms"

Year: 2006

3. Name of Student: Shadma Parveen

Thesis Title:"Synthesis, Characterization and biological activity of polymeric chelates of some transition metal ions"

Year: 2009

4. Name of Student: Asma

Thesis Title: "Synthesis, Characterization and Biological activity of Coordination polymers of transition metal ions"

Year: 2010

5. Name of Student: Swati Dhyani

Thesis Title: "Synthesis, Characterization and Biological activity of Transition Metal Complexes with Multidentate Ligands"

Year: 2011

6. Name of Student: Manisha

   Thesis Title:"Synthesis, spectral and antimicrobial studies of newly developed coordination polymers of some transition metal ions."

   Year: 2012

7. Name of student: Sumaiya Hasnain

Thesis Title: "Synthesis and characterization of new biocidal coordination polymers containing transition metal ions*".*

Year: 2012

8. Name of student: Shamim Ahmad Khan

Thesis title: "Synthesis, Spectral, Thermal and Biological Investigations of Coordination polymers Containing Transition Metal Ions.
Year: 2013

9. Name of Student: Ashraf Malik
Thesis Title:"Synthesis, characterization and biodegradability studies of coordination polymers."
Year: 2014

10. Name of student: Raza Rasool
Thesis title: "Synthesis, characterization and antimicrobial studies of newly developed Coordination polymers containing Transition metals"
Year: 2014

11. Name of student: Laxmi
Thesis title: "Synthesis, characterization and biological application of coordination polymers containing transition metals coordinated polyurethanes and polyureas."
Year: 2018

12. Name of Student: Abdul Kareem
Thesis title: "Synthesis of ligand systems containing N, O and S donors, their metal complexes & biological studies."
***Year:** 2019*

13. Name of Student: Shabnam khan
Thesis title: "Synthesis, characterization and applications of cashew nut shell liquid derived coordination polymers"
***Year:** 2019*

14. Name of Student: Shahnawaz Ahmad Bhat

Thesis title: "Synthesis, Characterization and biological applications of polymer nanocomposites of first row transition metal/metal oxides."
***Year:** 2020*

15. Name of Student:Azar Ullah Mirza
Thesis title: "Synthesis, characterization and applications of nanomaterials derived from different plant species".
***Year:** 2020*

16. Name of Student: Mohammad Abdur-Rahman

Thesis title: "Development of new metal organic coordination polymer of transition metal ions with O, N donor ligands: Synthesis, Characterization, thermal behavior and their biological applications."
Year: 2021

17. Name of student: Paramjit singh

Thesis title: "Synthesis, characterization and applications of functionalized polymer nanocomposites"

Year: 2023

18. Name of student: Shumaila Masood

Thesis title: "Synthesis, characterization and protective applications of technical cashew nut shell liquid derived eco-friendly green polymeric coating materials"

Year: 2023

19. Name of student: Aabid Bashir Ganaie

Thesis title: "*Photoluminescence and optical absorption studies of trivalent lanthanide complexes based on β-diketone and hetero-cyclic amines*"

Year: 2023

20. Name of student: Adnan Shahzaib

Thesis title: "Synthesis & structural studies of a Co-ordination polymer built with metal ion and linear ligand"

Year: 2023

21. Name of student: Rabiya Mehandi

Thesis title: "Metal catalyzed synthesis, characterization and biological application of heterocyclic derivatives"

Year: 2023

22. Name of student: Shaily

Thesis title: "Cashew nutshell liquid derived composite materials"

Year: 2023

23. Name of student: Afroz Choudhary

Thesis title: **"Development of environmentally friendly thermosetting polymers from cardanol for protective applications".**

Year: 2024

(ii) Research Work Under Progress

1. Name of Student: Shiva Sharma

Thesis Title: "Environment friendly green polymers from renewable resources for protective applications".

2. Name of student: Tahir Bhat

Thesis Title: Synthesis characterization and biological applications of phytomediated nanoparticles

3. Name of the student: Aiyaz Ahmad Wani

Thesis Title: Development of multifunctional metal oxide nanoparticles heterojunction for enhanced Photocatlytic and bio-medical application

(iii) As a Co-Supervisor

1- Name of student: Mohd Faheem

Thesis title: Fabracation of plant mediated metal oxide/mixed metal oxide nanostructured materials for antioxidants and antioxidising agents.

Supervisor: Afreen Inam

(iv) Guided M. Tech./B.Tech Project

1. Name of Student: Akhilesh Kumar
   Title**:** *"**Synthesis, Characterization of Starch based Biodegradable Polymer modified by phenol for the preparation of blend with Linseed oil Epoxy Polystyrene polymethyl meth aacrylate Copolymer"***

2. Name of Student: Prabal Kumar
   Title**:** ***"Synthesis, Characterization and Thermal behavior of Metal chelated Biodegradable Starch based Polymer modified by Urea"***

3. Name of Student: Ajay Kumar Yadav
   Title**:** ***"Preparation and Antimicrobial Study Of Neem Flour"***

(v) Guided M.Phil. Dissertation

Name of Student: Tabassum
Title: "Synthesis and Characterization of Coordination Polymer"

(vi) Fellowship awarded to Research students

1. Name of Student: Shadma Parveen (CSIR-SRF) April 2008 to September 2009
2. Name of Student: Swati Dhyani (CSIR-SRF) 1st October 2008 to 30 September 2010
3. Name of Student: Sumaiya Hasnain (CSIR-SRF)
4. Name of Student: Raza Rasool (UGC-BSR) 2011-2012
5. Name of student: Laxmi [CSIR-UGC- NET(AIR-29)]
6. Name of student: Shabnam Khan (UGC- SRF Maulana Azad National Fellowship)
7. Name of student: Abdul Kareem [CSIR-UGC- NET (AIR-32)]
8. Name of student: Azar Ullah Mirza [UGC- Non-NET Fellowship]
9. Name of student: Paramjit singh [UGC- Non-NET Fellowship]
10. Name of student: Shumaila Masood [UGC- Non-NET Fellowship]
11. Name of student: Adnan Ahmad [UGC- Non-NET Fellowship]
12. Name of student: Afroz Choudhary[UGC- Non-NET Fellowship]
13. Name of student: Shaily [UGC- Non-NET Fellowship]
14. Name of student: Rabia Mehandi, [ICMR-SRF, 2022]

(v) Placements of Research students

1. Name of Student:**Dr.Tansir Ahamad**
   Professor
   Deptt. of Chemistry
   King Saud University, Riyadh
   Kingdom of Saudi Arabia

2. Name of Student: **Dr. Vikrant Atri**
   (Assistant Professor)
   Acharya Narendra Dev College
   Govind Puri (D.U.)

3. Name of Student: **Dr. Shadma Parveen**
   (General Manager)
   Indian Oil Corp. Ltd.
   Marketing Division
   Luve oil blending plant bill
   P O Asauti
   Faridabad, Haryana

4. Name of Student:**Dr. Manisha**
   (Research Scientist)
   R&D, Instrumentation

Jubliant Industries Ltd.
Noida

5. Name of Student:**Dr. Sumaiya Hasnain**
(Assistant Professor)
Maharshi Dayanad University
Haryana

6.Name of Student:**Dr. Ashraf Malik**
School Teacher
Aligarh

7.Name of student:**Dr.Shamim Ahmad Khan**
(Assistant Professor)
Shibli College, Azamgarh
U.P.

8.Name of student: **Dr. Laxmi**
(Assistant Professor)
Government College Tigon Faridabad.

9.Name of student: **Dr. Shabnam Khan**
Research Associate
Deptt. Of Chemistry
A.M.U Aligarh U.P.

10.Name of student**: Dr. Abdul kareem**
Assistant Professor
Shibli College, Azamgarh
U.P.

11.Name of student**: Dr. Asma**
School Teacher
Pushniketan School Dhampur Sugar Mill
Bijnor, U.P. 246761

12. Name of student: **Dr. Paramjit singh**
Department of Analytical & Inorganic Chemistry
Faculty of Chemical Sciences
University of Concepcion, Chile

13. Name of student: **Dr. Shailly khan**
Shri Jagdishprasad Jhabarmal Tibrewala University
University in Jhunjhunu, Rajasthan, Assistant professor in department of chemistry

14. Name of student: **Dr. Afroz choudhary**
Qingdao university science and technology, Shandong, China

22. Mentor of Postdoctoral fellow

1. Name of the fellowship: **U.G.C. Dr. D.S. Kothari Postdoctoral Fellowship**

Name of the Postdoc: **Dr. Fahmina Zafar**

Topic of Research: *"Cashew Nut Shell Liquid (CNSL) derived Cardanol and Transition Metal Ions –based Coordination Complexes / Polymers: Synthesis, Characterization, Antimicrobial and Anticancer Studies""*.

Year: 2013-2016

2. Name of the fellowship: **Women Scientists Scheme (WOS) for Research in Basic/Applied Sciences**

Name of the Postdoc: **Dr. Fahmina Zafar**

Topic of Research: *"Design, synthesis, characterization and biological evaluation of cashew nut shell liquid based nanostructured metal organic frameworks"*.

Year: 2017-2020

3. Name of the fellowship: **Women Scientists Scheme (WOS) for Research in Basic/Applied Sciences**

Name of the Postdoc: **Dr. Fahmina Zafar**

Topic of Research: *"Cashew nut shell liquid derived nanostructured biobased metal organic frameworks for corrosion protection of mild steel"*.

Year: 2023-2026

23. Details of Publications

Year:1992

1. K. S. Siddiqi, **Nahid Nishat**, A. Jabeen, Shahjahan and S. A. A. Zaidi, Lanthanide complexes of 4, 7- diazadecanedimide, Chem. & Environ. Res., 1(4), 455-459, 1992.

Year:1993

2. K. S. Siddiqi, **Nahid Nishat**, A. Jabeen, Shahjahan and S.A.A. Zaidi, Synthesis and characterization of lanthanides Schiff base macrocyclic complexes, Synth. React. Inorg. Met. Org. Chem., 23(5), 735 -743, 1993.

3. K.S. Siddiqi, **Nahid Nishat,** A. Jabeen and S.A.A. Zaidi, 1,3-Pyrimidinyl (2, 4, 6-Pyrimidinetrione) and its metal chelates, Transition Met. Chem., 18, 591 -594, 1993.

Year: 1995

4. S. Tabassum, **Nahid Nishat**, F. Arjmand, S.A.A. Zaidi and K.S. Siddiqi. Chelating behavior of new 12-membered macrocycles of transition metal complexes. Transition Met. Chem., 20, 13 -18, 1995.

Year: 1996

5. S. Tabassum, **Nahid Nishat**, F. Arjmand, Lutfullah and K.S. Siddiqi, Synthesis of new 14 and 16 membered macrocycles and their transition metal complexes, Transition Met. Chem., 21, 97-100, 1996.

Year:1998

6. K. S. Siddiqi, and **Nahid Nishat,** Synthesis and characterization of metal chelates with newpyrimidine derivatives, Synth. React. Inorg. Met. Org. Chem., 28(8), 1353-1369, 1998.

Year:1999

7. K. S. Siddiqi and **Nahid Nishat,** Synthesis and characterization of new Schiff-base macrocycles and their metal chelates, Synth. React. Inorg. Met. Org. Chem., 29(2), 297-308, 1999.
8. K. S. Siddiqi, and **Nahid Nishat,** Synthesis and characterization of new pyrimidine derivaties and its metal chelates, Indian J. Chem., 38A, Oct. 1070, 1999.

Year:2000

9. K. S. Siddiqi, and **Nahid Nishat,** Synthesis and characterization of succinimide andphthalimide dithiocarbamate and their complexes with some transition metal ions, Synth.React. Inorg. Met. Org. Chem., 30(8), 1505 -1518, 2000.

Year: 2001

10. S. Tabassum, S. H. Rafiqi, **Nahid Nishat,** F. Arjmand, S. Srivastava, Synthesis andcharacterization of heterobimetallic complexes of 1,8-dihydro-1,3,6,8,10,13-hexaazacyclotetradecane with Cu(II), Ni(II), Si(IV), Ge(IV) and Sn(IV) chlorides, Indian J. Chem., 40 A, 1237 -1239, 2001.
11. **Nahid Nishat,** M. Mazharul Haq and K. S. Siddiqi, Synthesis and characterization oftrinculear macrocyclic transition metal complexes, Synth. React. Inorg. Met. Org.Chem., 31 (9), 1599-1610, 2001.
12. **Nahid Nishat,** M. Mazharual Haq and K. S. Siddiqi, A new synthetic approach tomacrocyclic complexes with pendant methyl substituents, Orient J. Chem., 17, 63-66, 2001.

Year:2003

13. K.S. Siddiqi, **Nahid Nishat** and Fouzia Rafat, Novel N_4 macrocycles and their transition metal chelates, Synth. React. Inorg. Met. Org. Chem., 33(10), 1835-1855, 2003.
14. **Nahid Nishat,** M. Mazharul Haq and K. S. Siddiqi, Synthesis and characterization of 2, 4,6-pyrimidinetrione dithiocarbamato complexes and 2,4,6-pyrimidinetrione dithiocarbamato macrocyclic complexes**,**Synth. React. Inorg. Met. Org. Chem., 33(4), 565-579, 2003.
15. **Nahid Nishat,** Rahisuddin, M. Mazharul Haq and K. S. Siddiqi, Synthesis andcharacterization of new 13- and 14-membered macrocyles and their transition metalcomplexes. Trans. Met. Chem., 28, 948-953, 2003.
16. **Nahid Nishat,** Rahisuddin, M. Mazharul Haq,Synthesis and characterization of complexes oftransition metal ions with new pentaazamacrocyclic ligands, Polish J. Chem., 77, 1731-1740, 2003.

Year: 2004

17. **Nahid Nishat,** K. S. Siddiqi, Shahab A.A Nami and Ahmad Umar, Chelating behaviour of 14-membered Schiff-base macrocycles and their metal chelates, Synth. React. Inorg. Met. Org. Chem., 34(1), 145-161, 2004.

18. **Nahid Nishat,** Rahisuddin, M. Mazharul Haq, Synthesis and characterization of newmacrocyles containing pendant groups, Synth. React. Inorg. Met. Org. Chem., 34(2), 335-351, 2004.
19. **Nahid Nishat**, Rahisuddin and M. Mazharul Haq, Synthesis, characterization, spectroscopicand antimicrobial activity studies of pyrimidine dithiocarbamate macrocycliccomplexes, Polish J. Chem., 78, 645-652, 2004.

Year:2005

20. **Nahid Nishat**, Rahisuddin, and Mazharul Haq, Synthesis, characterization and antimicrobialstudies of transition metal complexes with tetraamine Schiff base macrocyclicligands, Acta Univ. Palacki. Olomuc. Fac. Rer. Nat. Chemica.,44, 69-82, 2005.

Year: 2006

21. **Nahid Nishat,** Rahisuddin, M. M. Haq and Vikrant Kumar, Synthesis, characterization andantimicrobial activity studies of N-N'-tetracarboxydiethyloxamide ligand and its metal(II) complexes, J. Coord. Chem., 59(15), 1729 -1738, 2006.
22. **Nahid Nishat,** Vikrant Kumar, M. Mazharul Haq and Rahisuddin, Pyrimidine-based 13- and 14-membered pentaazamacrocyclic ligands and their first row transition metal complexes. Synthesis, Characterization and Antimicrobial Studies, Acta Univ. Palacki. Olomuc. Fac. Rer. Nat. Chemica., 45, 52-72, 2006.
23. **Nahid Nishat**, Sharif Ahmed, Rahisuddin and Tansir Ahamad, Synthesisand characterizationof antibacterial polychelates of Urea- formaldehyde resin withCr(III), Mn(II), Fe(III), Co(II), Ni(II), Cu(II) and Zn(II) metal ions, J. App. Polym. Sci.,100 (3), 928-936, 2006.
24. Tansir Ahamad, Vikrant Kumar and **Nahid Nishat**, Synthesis, characterization and antimicrobialactivity of transition metal chelated Thiourea formaldehyde resin, Poly. Int.,55,1398-1406, 2006.
25. **Nahid Nishat**, Sharif Ahmad and Tansir Ahmad, Synthesis, characterization, and anti-microbial studies of newly developed metal chelated epoxy resin, J. App. Polym. Sci., 101 (3), 1347-1355, 2006.

26. Tansir Ahamad, Vikrant Kumar and **Nahid Nishat**, Synthesis, characterization and antimicrobial studies of polyurethane bearing azomethine metal chelates, Int. J Polym. Mater., 54, 751-764, 2006.

Year: 2007

27. **Nahid Nishat,** M. M. Haq., Tansir Ahamad and Vikrant Kumar**,** Synthesis, spectral andantimicrobial studies of novel macrocyclic ligand containing a piperazine moiety and its binuclear metal complexes, J. Coord. Chem., 60(1), 85-96, 2007.
28. Tansir Ahamad, Vikrant Kumar, Shadma Parveen and **Nahid Nishat**, In vitro antibacterialand antifungal assay of poly- (ethylene oxamide-N, N'- diacetate) and its polymer metalcomplexes,Appl. Organmetal. Chem., 21, 1013-1021, 2007.

Year: 2008

29. Tansir Ahamad, **Nahid Nishat** and Shadma Parveen, Synthesis, characterization and antimicrobialstudies of a newly developed polymeric Schiff base and its metal polychelates, J. Coord. Chem., 61(12), 1963-1972, 2008.
30. Tansir Ahamad, **Nahid Nishat**, New anti-microbial epoxy- resin bearing Schiff base metalcomplexes,J. App. Polym. Sci., 107,2280-2288, 2007.
31. Shadma Parveen,Tansir Ahamad and **Nahid Nishat,** New antibacterial polychelates: synthesis, characterization and antibacterial activities of thiosemicarbazide- formaldehyde resin and its polymer metal complexes, App. Organmet. Chem., 22, 70-77,2008.
32. **Nahid Nishat**, Tansir Ahamad, M. Zulfequar, Sumaiya Hasnain, NewAntimicrobialPolyurea: Synthesis, characterization and antibacterial activities of polyurea containingThiosemicarbazide metal complexes, J. App. Polym. Sci., 110,3305-3312,2008.
33. Shadma Parveen, Tansir Ahamad, Ashraf Malik and **Nahid Nishat**, Antimicrobial activity ofaniline-formaldehyde resin modified by adding piperazine moiety and its metal polychelates, Poly. Adv. Tech.,19,1779-1786,2008.
34. Vikrant Kumar, Tansir Ahamad and **Nahid Nishat**, Antimicrobial studies of N-N'-dicarboxydiethyloxamide and its Co(II), Ni(II), Cu(II) and Zn(II) complexes, J. Coord.Chem., 61(7),1036-1045,2008.

35. Tansir Ahamad, Vikrant Kumar, **Nahid Nishat,** Synthesis, characterization and antimicrobialactivity of poly (ethylene oxamide-N, N'- disucciniate) and its polymer metal complexes, J. Coord. Chem., 61(9), 1423-1436, 2008.

Year: 2009

36. Vikrant Kumar, Tansir Ahamad and **Nahid Nishat**, Some O,O',O'', O'''-di/tetra aryldithioimidophonate transition metal complexes derived from catechol and bisphenol-A as antibacterial and antifungal agents, Eur. J. Med. Chem., 44, 785-793, 2009.
37. Tansir Ahamad, Vikrant Kumar, **Nahid Nishat**, New class of anti-microbial agents:synthesis, characterization, and anti-microbial activities of metal chelated polyurea,J. Biomed. Mater. Res. A., 88A, 288-294, 2009.
38. **Nahid Nishat**, Rhis-ud-din and Swati Dhyani, Synthesis, characterization and antimicrobial activity of a new macrocycle and its transition metal complexes, J. Coord. Chem., 62 (6), 996-1004, 2009.
39. **Nahid Nishat**, Shadma Parveen, Swati Dhyani and Asma, Antimicrobial polyesters containing Schiff-base metal complexes, J. Coord. Chem., 62(7), 1091-1099, 2009.
40. **Nahid Nishat**, Shadma Parveen, Swati Dhyani, Asma and Tansir Ahamad, Synthesis, characterization, and thermal and antimicrobial studies of newly developed transition metal-polychelates derived from polymeric Schiff base, J. App. Polym. Sci., 113, 1671-1679, 2009.
41. **Nahid Nishat**, Asma and Swati Dhyani, Synthesis, spectral and antimicrobial studies of transition metal complexes with novel macrocyclic ligand containing C=N and CO-NH group, J. Coord. Chem., 62(18), 3003-3011, 2009.

Year:2010

42. **Nahid Nishat**, Swati Dhyani, Sumaiya Hasnain and Manisha, Development of antimicrobial aminoacid-modified bisphenol-A formaldehyde resin and its transition metal complexes, Polym. Bull., 64, 523-536, 2010.
43. **Nahid Nishat**, Tansir Ahamad, Saad M. Alshehri and Shadma Parveen, Synthesis, characterization, and biocide properties of semicarbazide-formaldehyde resin and its polymer metal complexes, Eur. J. Med. Chem., 45, 1287-1294, 2010.

44. Ashraf Malik, Shadma Parveen, Tansir Ahamad, Saad M. Alshehri, Prabal Kumar Singh and **Nahid Nishat**, Coordination polymers synthesis, spectral characterization and thermal behaviour of starch-urea based biodegradable polymer and its polymer metal complexes, Bioinorg. Chem. App., 2010, Article ID 848130, 2010.
45. **Nahid Nishat**, Sumaiya Hasnain, Swati Dhyani, and Asma, Coordination polymers of glutaraldehyde with glycine metal complexes: synthesis, spectral characterization, and their biological evaluation, J. Coord. Chem., 63(21), 3859-3870, 2010.
46. **Nahid Nishat**, M. Zulfequar, Asma and Sumaiya Hasnain, Synthesis, spectral and antibacterial screening studies of chelating polymers of bisphenol-A formaldehyde resin bearing barbituric acid, J. Coord. Chem., 63 (7), 1273-1281, 2010.
47. **Nahid Nishat**, Shamim Ahmad Khan, Shadma Parveen and Raza Rasool, Antimicrobial agents: synthesis, spectral, thermal, and biological aspects of a polymeric Schiff base and its polymer metal (II) complexes, J. Coord. Chem., 63(22), 3944-3955, 2010.
48. **Nahid Nishat**, Rahisuddin, Manisha and Swati Dhyani, Synthesis, thermal behavior and antimicrobial activity of a novel macrocycle and its transition metal complexes derived from thiosemicarbazide, Spect. Lett., 43(6),465-473, 2010.

Year: 2011

49. **Nahid Nishat**, Raza Rasool, Shadma Parveen and Shamim Ahmad Khan, New antimicrobial agents: the synthesis of Schiff base polymers containing transition metal and their characterization and applications, J. App. Polym. Sci., 122, 2756-2764, 2011.
50. **Nahid Nishat**, Asma and Manisha, Synthesis, characterization and preliminary antimicrobial evaluation of bisphenol-A formaldehyde resin coordinated with transition metal complexes of ethylenediamine, J. App. Polym. Sci., 119, 1251-1258, 2011.

51. **Nahid Nishat**, Tansir Ahamad, Sharif Ahmad and Shadma Parveen, New biocidal metal complexes of bisphenol-A formaldehyde polymer containing piperazine, J. Coord. Chem., 64(15), 2639-2948, 2011.
52. **Nahid Nishat**, Sumaiya Hasnain, Tansir Ahmad and Asma Parween, Synthesis, characterization and biological evaluation of new polyester containing Schiff base metal complexes, J. Therm. Anal. Calorim., 105, 969-979, 2011.
53. Shamim Ahmad Khan,**Nahid Nishat**, Shadma Parveen and Raza Rasool, Preparation, spectral and biological investigation of formaldehyde-based ligandcontaining piperazine moiety and its various polymer metal complexes, Spectrochim. Acta Mol. Biomol. Spectros., 81, 290-295, 2011.
54. **Nahid Nishat**, Shamim Ahmad Khan, Raza Rasool and Shadma Parveen, Synthesis, spectral characterization and biocidal activity of thermally stable polymeric Schiff base and its polymer metal complexes, J. Inorg. Organomet. Polym., 21,673-681, 2011.
55. **Nahid Nishat,** Raza Rasool, Shamim Ahmad Khan and Shadma Parveen, Synthesis and characterization of metal incorporated aniline formaldehyde resin modified by amino acid for antimicrobial applications, J. Coord. Chem., 64(23), 4054-4065, 2011.
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Ph.d Thesis Reviewed

1. **Syed Sibte Asghar Abidi**

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2. **Aniza Kaushal Verma**

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3. **Hina Zafar**

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4. **Rawoof Ahmad Naikoo**

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5. **Mohd Shoeb khan**

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6. **Siffeen Zehra**

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7. **Shyam Lal**

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8. **Firoza sultana**

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9. **Tahmeena Khan**

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10 . Mohd Shoeb Khan

Synthesis, characterization and Applications of inorganic -organic Nanocomposite Materials