

**DEPARTMENT OF CHEMISTRY, UNIVERSITY OF RAJASTHAN, JAIPUR**

- Name & Qualification : **Prof (Dr.) JYOTI SHARMA**  
**M.Sc., Ph.D.**
- Designation : **Professor**
- Correspondence Address : **79, Shanti Vihar,**  
**Behind Morani motors**  
**Tonk Road.**  
**Jaipur- 302029**
- Contact No. : **0141 6761895 (R)**  
**09829460149 (M)**
- Email id: **dr\_jyoti\_sharma@yahoo.co.in**
- Institutional id: **drjyotisharma@uniraj.ac.in**
- Major areas of Research: **Synthetic Inorganic and Organometallic Chemistry**
- Webpage Link <https://scholar.google.co.in/citations?user=uL7ih9oAAAAJ&hl=en>
- No. of Research Publications: **44(Forty-Four) Papers published (List enclosed)**  
**02 Communicated for publication.**



<b>Publication Quality Metrics</b>	<b>Google Scholar</b>
<b>Citations</b>	165
<b><i>h</i>-index</b>	8
<b>i10-index</b>	4

- Research experience: **26 Years**
- Post-doctoral experience: **02 years**  
**As a Research Associate in Department of**  
**Chemistry, Rajasthan University, Jaipur.**  
**(From Sep, 1997-9<sup>th</sup> Nov 2000)**



- Achievements/Awards/Honors : **Best Researcher Award** in 4<sup>th</sup> edition of Applied Scientists Awards on **16<sup>th</sup> May, 2025**  
Certificate No: 2264; appliedscientist.org  
(registered under Ministry of Corporate Affairs)
  
- Authored Book Chapters/Books /Books Edited by you (details with Title, Publisher, Place, Year) : ----
  
- Trainings / Teaching-Learning Courses attended
  1. **Attended (02) refresher courses**
  2. **Attended (01) orientation course**
  3. **Organized Refresher course as Deputy coordinator in the session 2017-18**
  4. **Elected as Member in Board of Studies (BOS) in the year 2021-22**
  5. **At Present Working as “Convenor” of BOS in Chemistry**
  
- Contribution in University Corporate services : - NA-
  
- \* Any other information(s) :
  - \* **Worked as proctor**
  - 02 years in Maharaja’s College, UOR, Jaipur**
  - 04 years in Chemistry Department UOR, Jaipur**
  - \*Worked as Proctor in the Department for the session 2018-18.**
  - \*Worked as Convener in PG admissions for the sessions 2017 and 2019**
  - \*Worked as a member / convener in various functional committees at the departmental level**

*Prof (Dr.) JYOTI SHARMA*  
**PROFESSOR**  
**UOR, JAIPUR-302004.**

## LIST OF PUBLICATIONS (from 1994 -2026)

1. Sharma, J., Singh, Y. P., & Rai, A. K. (1994). SYNTHESIS AND CHARACTERISATION OF SOME DIPHENYL ANTIMONY (III) COMPLEXES OF CYCLIC-DITHIOCARBAMATES. *Phosphorus, Sulfur, and Silicon and the Related Elements*, 86(1-4), 197-202. <https://doi.org/10.1080/10426509408018404>
2. Sharma, J., Singh, Y., & Rai, A. K. (1995). Phenylarsenic (III) derivatives of heterocyclic dithiocarbamates; Synthesis and characterization. *Phosphorus, Sulfur, and Silicon and the Related Elements*, 107(1-4), 13-20. <https://doi.org/10.1080/10426509508027916>
3. Sharma, J., Sharma, R. K., Singh, Y., & Rai, A. K. (1996). SYNTHESIS AND CHARACTERIZATION OF SOME DIPHENYLANTIMONY. *Indian journal of chemistry. Sect. A: Inorganic, physical, theoretical & analytical*, 35(3), 243-245.
4. Sharma, J., Singh, Y., & Rai, A. K. (1997). SYNTHESSES AND CHARACTERIZATION OF PHENYL ARSENIC. *Indian journal of chemistry. Sect. A: Inorganic, physical, theoretical & analytical*, 36(8), 717-721.
5. Sharma, J., Singh, Y., & Rai, A. K. (1998). Synthesis and Characterisation of Some New Monophenylarsenic (Iii) Derivatives of Methyl 4 (4-Substituted Phenyl)-2-Oxy-4-Oxo-2-Butenoates. *Synthesis and Reactivity in Inorganic and Metal-Organic Chemistry*, 28(9), 1551-1560. <https://doi.org/10.1080/00945719809351697>
6. Sharma, J., Singh, Y., & Rai, A. K. (1999). Some New Diorganoantimony (Iii) Derivatives of Methyl 4-(4-Substituted Phenyl)-2-Oxy-4-Oxo-2-Butenoates. *Synthesis and Reactivity in Inorganic and Metal-Organic Chemistry*, 29(8), 1475-1484. <https://doi.org/10.1080/00945719909351712> (IF [0.680](#))

7. Singh, Y. P., Shanker, D., Sharma, R. K., **Sharma, J.**, & Rai, A. K. (2005). Synthesis and characterization of a new class of benzothiazolines. *Phosphorus, Sulfur, and Silicon*, 180(1), 141-148. <https://doi.org/10.1080/104265090508055>
8. Rathore, R., **Sharma, J.**, Rai, A. K., & Singh, Y. P. (2005). Synthesis and Characterisation of Additional Products of Phenylarsenic (III) Dimethoxide With Substituted Benzothiazolines. *Phosphorus, Sulfur, and Silicon and the Related Elements*, 180(8), 1921-1928. <https://doi.org/10.1080/104265090889639>
9. Shanker, D., Sharma, R. K., **Sharma, J.**, Rai, A. K., & Singh, Y. P. (2007). Metal-induced rearrangement of benzothiazoline ring: Synthesis and characterization of some new organoantimony (V) derivatives of N, O, and S atom containing schiff base ligands. *Heteroatom Chemistry: An International Journal of Main Group Elements*, 18(1), 70-75. <https://doi.org/10.1002/hc.20260>
10. Rustagi, G. K., **Sharma, J.**, Srivastava, G., & Singh, Y. (2010). Synthesis and characterization of chlorodiorganotin (IV) derivatives of O, O-alkylene dithiophosphates. *Journal of Coordination Chemistry*, 63(2), 353-360. <https://doi.org/10.1080/00958970903370191>
11. Agrawal, R., **Sharma, J.**, Singh, Y., Nandani, D., & Batra, A. (2010). Mixed Chloro Bis [Alkylenedithiophosphato] Antimony (III) and Their Heterobinuclear Derivatives with Boron Tetraisopropoxide: Synthesis and Characterization. *Phosphorus, Sulfur, and Silicon*, 185(3), 516-525. <https://doi.org/10.1080/10426500902839848>
12. Agrawal, R., **Sharma, J.**, & Singh, Y. (2010). Synthesis and Spectroscopic Structural Elucidation of New Class of Mono-and Heterobinuclear Derivatives of Arsenic and Aluminium Derived from Bifunctional Tridentate Schiff Base Ligands. *Main Group Metal Chemistry*, 33(1-2), 59-70. <https://doi.org/10.1515/MGMC.2010.33.1-2.59>
13. Sharma, P., Vajpayee, V., **Sharma, J.**, & Singh, Y. (2010). Syntheses and characterization of a new class of mono-and heterodinuclear derivatives of boron derived from Schiff bases. *Applied Organometallic Chemistry*, 24(11), 774-780. <https://doi.org/10.1002/aoc.1697>

14. Agrawal, R., **Sharma, J.**, Nandani, D., Batra, A., & Singh, Y. (2011). Syntheses, Reactions, Characterization, and Antifungal Activities of Chloro-bis-(2, 2-dithio-1, 3, 2-dioxaphospholane/dioxaphosphorinane) bismuth (III). *Phosphorus, Sulfur, and Silicon and the Related Elements*, 186(3), 471-480. <https://doi.org/10.1080/10426507.2010.503979>
15. Agrawal, R., **Sharma, J.**, & Singh, Y. (2010). Mono-and Heterodi-nuclear Derivatives of Antimony (III) Containing Schiff Bases; Syntheses, Characterization and Microbial Activities. *Main Group Metal Chemistry*, 33(6), 265-282. <https://doi.org/10.1515/MGMC.2010.33.6.265>
16. Sharma, P., **Sharma, J.**, & Singh, Y. (2011). Mono-and heterodinuclear indium compounds of multidentate schiff bases; syntheses, characterization and their antibacterial activity. *Main Group Chemistry*, 10(3-4), 265-277. <https://doi.org/10.3233/MGC-2011-0054>
17. Sharma, P., **Sharma, J.**, Singh, Y., Sharma, R. A., & Sharma, B. (2011). Syntheses, Characterization, and Antifungal Activities of some Heteroleptic Homodinuclear Derivatives of Aluminium. *Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry*, 41(1), 44-53. <https://doi.org/10.1080/15533174.2010.522675>
18. Agrawal, R., **Sharma, J.**, Nandani, D., Batra, A., & Singh, Y. (2011). Triphenylarsenic (V) and-antimony (V) derivatives of multidentate Schiff bases: synthesis, characterization, and antimicrobial activities. *Journal of Coordination Chemistry*, 64(3), 554-563. <https://doi.org/10.1080/00958972.2010.550915>
19. **Sharma, J.**, & Singh, Y. (2012). Organo-and metalloorganic derivatives of some group 15 elements. *Chem. News Lett.* 1, 103.
20. Schiff base ligands bridged homo-and heterodinuclear compounds of arsenic (III) Vaishali Vajpayee, **Jyoti Sharma** and Yashpal Singh; *Chem. News Lett.* 2, 31 (2012).

21. Sharma, D. K., Singh, Y., & Sharma, J. (2013). Monophenylantimony (III) derivatives of cyclic dithiocarbamates; synthesis, spectroscopic characterization, and antimicrobial study. *Phosphorus, Sulfur, and Silicon and the Related Elements*, 188(9), 1194-1204. <https://doi.org/10.1080/10426507.2012.740695>
22. Sharma, D. K., Gupta, R., Singh, Y., & Sharma, J. (2014). Coordination chemistry of trivalent and pentavalent organoarsenic heterocyclic dithiocarbamate derivatives: synthesis and characterization. *Journal of Coordination Chemistry*, 67(8), 1478-1490. <https://doi.org/10.1080/00958972.2014.916794>
23. Gupta, R., Sharma, J., Kumar gupta, M., Singh, Y. (2014). Phenylarsenic(III) derivatives of Schiff bases ;Synthesis, characterization; *International Journal of Recent Trends in Science and Technology*, 9(3), 315-317.
24. Singh, Y., Sharma, P., Jangir, V., & Sharma, J. (2015). Synthesis, Characterization, and Antibacterial Activity of Some New Mono-and Heterodinuclear Indium Compounds. *Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry*, 45(6), 804-812. <https://doi.org/10.1080/15533174.2013.862647>
25. Bhatra, P., Sharma, J., Sharma, R. A., & Singh, Y. (2016). Synthesis, characterization and antimicrobial activity of diorganotin (IV) derivatives of some bioactive bifunctional tridentate Schiff base ligands. *Main Group Metal Chemistry*, 39(1-2), 1-8. <https://doi.org/10.1515/mgmc-2015-0022>
26. Bhomia, J., Sharma, J., Singh, Y. (2016). Synthesis and characterization of gallium (III) derivatives of sterically hindered heterocyclic  $\beta$ -diketone, *International journal of recent trends in science and technology*, 6(1), 74-78.
27. Bhomia, J., Sharma, J., & Singh, Y. (2016). Synthesis and characterization of asymmetric dinuclear aluminum compounds containing sterically hindered heterocyclic  $\beta$ -diketones. *Main Group Metal Chemistry*, 39(5-6), 151-155. <https://doi.org/10.1515/mgmc-2015-0035>
28. Gupta, R., Mathur, M., Swami, A. K., Sharma, J., & Singh, Y. (2017). Synthesis and pharmacological activity of diorganoantimony (III) and triorganoantimony (V)

- derivatives of Schiff bases derived from amino acids. *Journal of Saudi Chemical Society*, 21(1), 67-75. <https://doi.org/10.1016/j.jscs.2014.09.003>
29. Bhatra, P., Sharma, J., Sharma, R. A., & Singh, Y. (2017). Synthesis, characterization and antimicrobial activity of triorganotin (IV) derivatives of some bioactive Schiff base ligands. *Applied Organometallic Chemistry*, 31(7), e3639. <https://doi.org/10.1002/aoc.3639>
30. Beniwal, S., Chhimpa, S., Gaur, D., John, P.J., Singh, Y. & Sharma, J. (2017) Syntheses, characterization, antibacterial activity and molecular modelling of phenylantimony(III) heteroleptic derivatives containing substituted oximes and piperidine dithiocarbamate. *Applied Organometallic Chemistry*, 31(10), e3725. <https://doi.org/10.1002/aoc.3725>
31. Bhomia, J., Sharma, J., Lakhne, R., Sharma, R., Gupta, R. S., Sharma, R. A., & Singh, Y. (2018). Syntheses, silylation, characterization, and antimicrobial and antifertility activities of organoboron derivatives of some bioactive monofunctional bidentate semicarbazones. *Applied Organometallic Chemistry*, 32(1), e3983. <https://doi.org/10.1002/aoc.3983>
32. Bhomia, J., Sharma, J., Sharma, R. A., & Singh, Y. (2018). Some boron compounds of semicarbazones: antimicrobial activity and precursor for the sol–gel transformation to nanosized boron oxide. *New Journal of Chemistry*, 42(12), 10376-10385. <https://doi.org/10.1039/C8NJ00683K>
33. Beniwal, S., Kumar, A., Chhimpa, S., John, P. J., Singh, Y., & Sharma, J. (2019). Syntheses, characterization, powder X-ray diffraction analysis and antibacterial and antioxidant activities of triphenylantimony (V) heteroleptic derivatives containing substituted oximes and morpholine dithiocarbamate. *Applied Organometallic Chemistry*, 33(3), e4712. <https://doi.org/10.1002/aoc.4712>
34. Beniwal, S., Kumar, A., Chhimpa, S., Rai, J., John, P. J., Singh, Y., & Sharma, J. (2019). Synthesis and characterization of antimony (III) heteroleptic derivatives having oxygen, nitrogen and sulfur containing organic moieties with their

- antibacterial and antioxidant activities. *Phosphorus, Sulfur, and Silicon and the Related Elements*, 194(9), 879-886. <https://doi.org/10.1080/10426507.2018.1528254>
35. Jangir, V., Saharan, R., Sharma, R., **Sharma, J.**, & Singh, Y. (2019). Some Novel Dinuclear phenylboronates of biologically potent  $\beta$ -enaminoesters: Synthesis, Spectroscopic characterization, antimicrobial activity and their antiandrogenic effect. *Applied Organometallic Chemistry*, 33(9), e5068. <https://doi.org/10.1002/aoc.5068>
36. Kumar Sharma, D., **Sharma J.**, & Sharma, R. (2019). Some heterocyclic N, S and O chelated chloro antimony (III) derivatives; synthesis, spectral characterization and antimicrobial studies, *International Journal of Research and Analytical reviews*, 6 (2), 649.
37. Kumar Sharma, D., **Sharma J.**, & Sharma, R. (2019). Synthesis and characterization and antimicrobial activity of triphenyl antimony(V) derivatives of heterocyclic dithiocarbamate. *International Journal of Science and Research*, 8(7).
38. Kumar Sharma, D., **Sharma, J.**, & Sharma, R. (2019). Synthesis, Characterization, Spectral Studies and Antimicrobial Study on Mixed Ligand Complexes of Chloro-arsenic (III) Derived from  $\beta$ -Ketiminates & Piperidine Dithiocarbamate Ligand Moiety. *Asian Journal of Chemical Sciences*, 6(4), 1-9. <https://doi.org/10.9734/ajocs/2019/v6i419002>
39. Beniwal, S., Sangwan, R., Singh, Y., & **Sharma, J.** (2020). Arsenic (III) mixed derivatives having oximes and morpholinedithiocarbamate along with their cytotoxic, antimicrobial, and antioxidant studies. *Journal of Biochemical and Molecular Toxicology*, 34(11), e22581. <https://doi.org/10.1002/jbt.22581>
40. Beniwal, S., Sangwan, R., Rai, J., & **Sharma, J.** (2022). Triphenyl Arsenic (V) Mixed Ligand Derivatives along with Antimicrobial, Antioxidant and Cytotoxic Studies. *ChemistrySelect*, 7(21), e202200488. <https://doi.org/10.1002/slct.202200488>
41. Beniwal, S., Gaur, S., & **Sharma, J.** (2022). Syntheses and characterization of some homodimer complexes of bismuth (III) having a Bi...Bi linkage along with molecular

- modeling, antimicrobial, antioxidant and cytotoxic studies. *Journal of Coordination Chemistry*, 75(19-24), 3000-3014. <https://doi.org/10.1080/00958972.2022.2156787>
42. Sangwan, R., Beniwal, S., Gaur, S., Sharma, P., Mittal, M., Sharma, P., & Sharma, J. (2024). Syntheses and characterization of novel antimony (III) and bismuth (III) derivatives containing  $\beta$ -enamino ester along with antimicrobial evaluation, DFT calculation, and cytotoxic study. *Journal of Biochemical and Molecular Toxicology*, 38(1), e23548 <https://doi.org/10.1002/jbt.23548>.
43. Sharma, P., Mittal, M., Sangwan, R., Gaur, S., & Sharma, J. (2025). Syntheses, Spectral Characterization, Computational Study of Some Novel Oxime Bridged Symmetric and Asymmetric Aluminum Dimers Containing Diols Along With Antimicrobial and Anticancer Activities. *Applied Organometallic Chemistry*, 39(5), e70010. <https://doi.org/10.1002/aoc.70010>
44. Mittal, M., Sharma, P., Sangwan, R., Gaur, S., & Sharma, J. (2025). Antimony (III) Derivatives Containing Heterocyclic-and N-Alkyl-N-Phenyl Dithiocarbamate Moeities Along With Computational Analysis, Antimicrobial and Anticancer Studies. *Applied Organometallic Chemistry*, 39(8), e70321. <https://doi.org/10.1002/aoc.70321>

## **List of Publications From 2015 -2026**

1. Singh, Y., Sharma, P., Jangir, V., & Sharma, J. (2015). Synthesis, Characterization, and Antibacterial Activity of Some New Mono-and Heterodinuclear Indium Compounds. *Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry*, 45(6), 804-812. <https://doi.org/10.1080/15533174.2013.862647>
2. Bhatra, P., Sharma, J., Sharma, R. A., & Singh, Y. (2016). Synthesis, characterization and antimicrobial activity of diorganotin (IV) derivatives of some

- bioactive bifunctional tridentate Schiff base ligands. *Main Group Metal Chemistry*, 39(1-2), 1-8. <https://doi.org/10.1515/mgmc-2015-0022>
3. Bhomia, J., Sharma, J., Singh, Y. (2016). Synthesis and characterization of gallium (III) derivatives of sterically hindered heterocyclic  $\beta$ -diketone, *International journal of recent trends in science and technology*, 6(1), 74-78.
  4. Bhomia, J., Sharma, J., & Singh, Y. (2016). Synthesis and characterization of asymmetric dinuclear aluminum compounds containing sterically hindered heterocyclic  $\beta$ -diketones. *Main Group Metal Chemistry*, 39(5-6), 151-155. <https://doi.org/10.1515/mgmc-2015-0035>
  5. Gupta, R., Mathur, M., Swami, A. K., Sharma, J., & Singh, Y. (2017). Synthesis and pharmacological activity of diorganoantimony (III) and triorganoantimony (V) derivatives of Schiff bases derived from amino acids. *Journal of Saudi Chemical Society*, 21(1), 67-75. <https://doi.org/10.1016/j.jscs.2014.09.003>
  6. Bhatra, P., Sharma, J., Sharma, R. A., & Singh, Y. (2017). Synthesis, characterization and antimicrobial activity of triorganotin (IV) derivatives of some bioactive Schiff base ligands. *Applied Organometallic Chemistry*, 31(7), e3639. <https://doi.org/10.1002/aoc.3639>
  7. Beniwal, S., Chhimpa, S., Gaur, D., John, P.J., Singh, Y. & Sharma, J. (2017) Syntheses, characterization, antibacterial activity and molecular modelling of phenylantimony(III) heteroleptic derivatives containing substituted oximes and piperidine dithiocarbamate. *Applied Organometallic Chemistry*, 31(10), e3725. <https://doi.org/10.1002/aoc.3725>
  8. Bhomia, J., Sharma, J., Lakhne, R., Sharma, R., Gupta, R. S., Sharma, R. A., & Singh, Y. (2018). Syntheses, silylation, characterization, and antimicrobial and antifertility activities of organoboron derivatives of some bioactive monofunctional bidentate semicarbazones. *Applied Organometallic Chemistry*, 32(1), e3983. <https://doi.org/10.1002/aoc.3983>
  9. Bhomia, J., Sharma, J., Sharma, R. A., & Singh, Y. (2018). Some boron compounds of semicarbazones: antimicrobial activity and precursor for the sol–gel transformation

- to nanosized boron oxide. *New Journal of Chemistry*, 42(12), 10376-10385.  
<https://doi.org/10.1039/C8NJ00683K>
10. Beniwal, S., Kumar, A., Chhimpa, S., John, P. J., Singh, Y., & Sharma, J. (2019). Syntheses, characterization, powder X-ray diffraction analysis and antibacterial and antioxidant activities of triphenylantimony (V) heteroleptic derivatives containing substituted oximes and morpholine dithiocarbamate. *Applied Organometallic Chemistry*, 33(3), e4712. <https://doi.org/10.1002/aoc.4712>
  11. Beniwal, S., Kumar, A., Chhimpa, S., Rai, J., John, P. J., Singh, Y., & Sharma, J. (2019). Synthesis and characterization of antimony (III) heteroleptic derivatives having oxygen, nitrogen and sulfur containing organic moieties with their antibacterial and antioxidant activities. *Phosphorus, Sulfur, and Silicon and the Related Elements*, 194(9), 879-886. <https://doi.org/10.1080/10426507.2018.1528254>
  12. Jangir, V., Saharan, R., Sharma, R., Sharma, J., & Singh, Y. (2019). Some Novel Dinuclear phenylboronates of biologically potent  $\beta$ -enaminoesters: Synthesis, Spectroscopic characterization, antimicrobial activity and their antiandrogenic effect. *Applied Organometallic Chemistry*, 33(9), e5068. <https://doi.org/10.1002/aoc.5068>
  13. Kumar Sharma, D., Sharma J., & Sharma, R. (2019). Some heterocyclic N, S and O chelated chloro antimony (III) derivatives; synthesis, spectral characterization and antimicrobial studies, *International Journal of Research and Analytical reviews*, 6 (2), 649.
  14. Kumar Sharma, D., Sharma J., & Sharma, R. (2019). Synthesis and characterization and antimicrobial activity of triphenyl antimony(V) derivatives of heterocyclic dithiocarbamate. *International Journal of Science and Research*, 8(7).
  15. Kumar Sharma, D., Sharma, J., & Sharma, R. (2019). Synthesis, Characterization, Spectral Studies and Antimicrobial Study on Mixed Ligand Complexes of Chloro-arsenic (III) Derived from  $\beta$ -Ketiminates & Piperidine Dithiocarbamate Ligand Moiety. *Asian Journal of Chemical Sciences*, 6(4), 1-9. <https://doi.org/10.9734/ajocs/2019/v6i419002>

16. Beniwal, S., Sangwan, R., Singh, Y., & Sharma, J. (2020). Arsenic (III) mixed derivatives having oximes and morpholinedithiocarbamate along with their cytotoxic, antimicrobial, and antioxidant studies. *Journal of Biochemical and Molecular Toxicology*, 34(11), e22581. <https://doi.org/10.1002/jbt.22581>
17. Beniwal, S., Sangwan, R., Rai, J., & Sharma, J. (2022). Triphenyl Arsenic (V) Mixed Ligand Derivatives along with Antimicrobial, Antioxidant and Cytotoxic Studies. *ChemistrySelect*, 7(21), e202200488.  
<https://doi.org/10.1002/slct.202200488>
18. Beniwal, S., Gaur, S., & Sharma, J. (2022). Syntheses and characterization of some homodimer complexes of bismuth (III) having a Bi...Bi linkage along with molecular modeling, antimicrobial, antioxidant and cytotoxic studies. *Journal of Coordination Chemistry*, 75(19-24), 3000-3014. <https://doi.org/10.1080/00958972.2022.2156787>
19. Sangwan, R., Beniwal, S., Gaur, S., Sharma, P., Mittal, M., Sharma, P., & Sharma, J. (2024). Syntheses and characterization of novel antimony (III) and bismuth (III) derivatives containing  $\beta$ -enamino ester along with antimicrobial evaluation, DFT calculation, and cytotoxic study. *Journal of Biochemical and Molecular Toxicology*, 38(1), e23548 <https://doi.org/10.1002/jbt.23548>.
20. Sharma, P., Mittal, M., Sangwan, R., Gaur, S., & Sharma, J. (2025). Syntheses, Spectral Characterization, Computational Study of Some Novel Oxime Bridged Symmetric and Asymmetric Aluminum Dimers Containing Diols Along With Antimicrobial and Anticancer Activities. *Applied Organometallic Chemistry*, 39(5), e70010. <https://doi.org/10.1002/aoc.70010>
21. Mittal, M., Sharma, P., Sangwan, R., Gaur, S., & Sharma, J. (2025). Antimony (III) Derivatives Containing Heterocyclic-and N-Alkyl-N-Phenyl Dithiocarbamate Moeities Along With Computational Analysis, Antimicrobial and Anticancer Studies. *Applied Organometallic Chemistry*, 39(8), e70321.  
<https://doi.org/10.1002/aoc.70321>