1. Name & Qualification:	DR JYOTI SHARMA
2 Designation:	M.Sc., Ph.D.
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6. Major areas of Research: Synthetic Inorganic and Organometallic Chemistry	
7. No. of Research Publications:	25(Twenty five)
8. No. of Ph.D. awardees:	03(Three)
9. No. of Conferences/Seminars/Symposiums/Workshops participated:	
a. National: 04	b. International: 08
10. R & D Project Title of the research project	
(1) Title of the research project	 : "Synthesis and characterization of some Homobinuclear mixed valency derivatives of organo antimony with nitrogen, oxygen and sulphur containing ligands. U.G.C. F. No. 45-15 / 2005–06 (MRP / CRO) / 304028 dated 7 Feb. 2006
(2) Title of the research project	: Synthesis, spectral characterization and bioactivity of some organometallic and metalloorganic derivatives of arsenic, antimony and bismuth in+3 and +5 oxidation state with oxygen, nitrogen, and sulphur containing ligands.
U.G.C. F. No. 45-15 / 2010 -11 (MRP / CRO) / 304028 dated 11March. 2011 Maharaja's College, Rajasthan University, Jaipur.	
11. Member of various Academic	Membership in
Professional Bodies/Societies:	Chemical Research Society of India (CRSI)

- 12. Achievements/Awards/Honors:
- 13. Authored Book Chapters/Books /Books Edited by you (details with Title, Publisher, Place, Year):
- 14. Trainings / Teaching-Learning Courses attended: Refresher course (02)

Orientation course (01)

- 15. Contribution in University Corporate services: NA-
- 16. Any other information(s):

worked as proctor

02 years in Maharaja College

01 year in Chemistry Deptt.

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LIST OF PUBLICATIONS

- Synthesis and characterization of some diphenylantimony(III) complexes of cyclicdithiocarbamates. Jyoti Sharma, Y. P. Singh and A. K. Rai, *Phosphorous, Sulfur, Silicon*; 86, 197 (1994) (IF 0.827)
- Phenylarsenic (III) derivatives of hetercyclic-dithiocarbamates; synthesis and Characterization. Jyoti Sharma, Y. P. Singh and A. K. Rai, *Phosphorous, Sulfur, Silicon*; 107, 13 (1995) (IF 0.827)
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- Synthesis and characterization of phenylarsenic (III) complexes of heterocyclic-βdiketones. Jyoti Sharma, Y. P. Singh and A. K. Rai, *Indian J. Chem*; 36 (A), 717 (1997) (IF 0.628)
- Synthesis and characterization of some new monophenyl-arsenic(III) derivatives of methyl 4. (4-substituted phenyl) 2-oxy-4-oxo-2-butenoates. Jyoti Sharma, Y. P. Singh and A. K. Rai, Synth. React. Inorg. Met.-Org. Chem; 28 (9) 1551(1998) (IF 0.680)
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- Synthesis and characterization of a new class of benothiazoline.D. Shanker, R. K. Sharma, J. Sharma, A. K. Rai and Y. P. Singh, *Phosphorus. Sulfur and Silicon*, 180, 141 (2005).

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- 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. D. Shankar, R. K. Sharma, J. Sharma, A. K. Rai and Y. P. Singh, *Heteroatom Chemistry*, 18, 1 (2007) (IF 1.257)
- 10. Synthesis and characterization of Chlorodiorganotin (IV) derivatives of O, O'-alkylene dithiophosphates. Gajendra Kumar Rustagi, **Jyoti Sharma**, Ghanshyam Srivastava and Yashpal Singh, *Journal of Coordination chemistry*, **63 No.2**, 353 (**2010**) (**IF 2.212**)
- Mixed chloro Bis (alkylene dithiophosphato) antimony (III) and their Heterobinuclear derivatives with Boron tetraisopropoxide; synthesis and characterization. Reena Agarwal, Jyoti Sharma, Yashpal Singh, Durgesh Nandani and Amla Batra, *Phosphorus, Sulfur* and Silicon; 185, 516(2010) (IF 0.820)
- Synthesis and spectroscopic structural elucidation of new class of mono and heterobinuclear derivatives of arsenic and aluminium derived from bifunctional tridentate Schiff base ligands. Reena Agrawal, Jyoti Sharma, Yashpal Singh, *Main Group Met. Chem.*; 33, 59 (2010) (IF 0.561)
- Syntheses and Characterization of a New Class of Mono- and Hetero Dinuclear Derivatives of Boron Derived from Schiff Base Priyanka Sharma, Vaishali Vajpayee, Jyoti Sharma and Yashpal Singh, *Applied Organometallic Chemistry*; 24, 774-778 (2010) (IF 2.017)
- Syntheses, Reactions, Characterization and Antifungal Activities of Chloro Bis(2,2-Dithio-1,3,2-Dioxaphospholane/Dioxaphosphorinanes) Bismuth(III) Reena Agrawal, Jyoti Sharma, Durgesh Nandani, Amala Batra and Yashpal Singh; *Phosphorus, Sulfur and Silicon*,186, 554 (2010).(IF 0.820)
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- 16. Mono and heterodinuclear indium compounds of multidentate Schiff bases; syntheses, characterization and their antibacterial activity. Priyanka Sharma, **Jyoti Sharma** and Yashpal singh; *Main Group Metal Chemistry*, **10**, 265 (2011) (IF 0.561)
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- 18. Triphenyl arsenic (V) and antimony (V) derivatives of multidentate Schiff bases; Synthesis, characterization and antimicrobial activities. Reena Agrawal, **Jyoti Sharma**,

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- 19. Organo-and metalloorganic derivatives of some group 15 elements **Jyoti Sharma** and Yashpal Singh; **Chem. News Lett. 1, 103 (2012)**
- 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**)
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- 22. Coordination Chemistry of Trivalent and Pentavalent Organoarsenic Heterocyclic Dithiocarbamate Derivatives; Synthesis and Characterization Deepak Kumar Sharma, Rita gupta, Yashpal Singh and Jyoti Sharma; J. Coordination Chemistry, 67,no. 8,1478, 2014 (IF 2.212)
- 23. Synthesis, Characterization And Antibacterial Activity of Some New Mono-and Heterodinuclear Indium Compounds Priyanka Sharma, Vinita Jangir, Jyoti Sharma and Yashpal Singh; Synth. React. Inorg. Met.Org. Chem, 45, 804, 2015. (IF 0.670)
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- Synthesis, characterization and antimicrobial activity of diorganotin(IV) derivatives of some bioactive bifunctional tridentate schiff base ligands, Pooja bhatra, Ramavatar Sharma, Jyoti Sharma and Yashpal Singh; Main Group Met. Chem. (accepted) (2015) (IF 0.561)