

### List of Publications:

1. Synthesis, Characterization and Toxicity of Heterobinuclear Complexes of Transition Metal ions,  
Sartaj Tabassum, **Netra Pal Singh** and Farukh Arjmand  
*Synth. React. Inorg. & Met.-Org. Chem.*, **31**(10), 1803-1815 (2001)  
ISSN -1553-3174(Print), IF-
2. Synthesis and characterization of the Copper (II) Complex with 2, 2-bis (1H, 3H, 5H) Pyrimidine-4, 6-dione-1, 2 diiminoethane: Fluorescence Quenching Studies in Proteins.  
Sartaj Tabassum, **Netra Pal Singh** and Javed Mussarat  
*Synth. React. Inorg. & Met -Org. Chem.*, **33**(3), 509-517 (2003)  
ISSN -1553-3174(Print), IF-0.533
3. Synthesis, Characterization and Spectral Studies of copper (II) Complexes of o-ethyl and o-t-butyl esters of Hydrazine Carboxylic acid.  
P.C. Jain, S.C. Pahwa and **N.P. Singh**  
*J. Indian Chemical Society*, **84**, 934-936 (2007).  
ISSN -0019 4522(Print), IF-.251
4. Synthesis, Characterization and Spectral Studies of nickel (II) Complexes of ethyl and t-butyl esters of Hydrazine carboxylic acid.  
P.C. Jain, **N.P. Singh** and S.C. Pahwa  
*Proceedings of the National Academy of Sciences, India (section-A-Physical Sciences) Volume 78A, Part IV, 287-292, 2008*  
ISSN -0369-8203(Print), IF-.179
5. Oxovanadyl (IV) Complexes of 4-Benzylamido Thiosemi-carbazide and 1- $\alpha$ -Furyl-4-Benzylamido Thiosemicarbazone.  
P.C. Jain, **N.P. Singh** and M.C. Jain  
*Journal of Indian Chemical Society*, **85**, 733-734, 2008  
ISSN -0019 4522(Print), IF-.251
6. Synthesis, Characterization and Spectral studies of Novel heterobinuclear complexes of transition metal ions and their biological activity

**Netra Pal Singh** and Abhay Nanda Srivastava

*E-Journal of Chemistry*, **8**(2), 809-814, 2011, ISSN -2090-9063(Print), IF-.90

7. Synthesis and Spectroscopic Studies of the bioactive Transition Metal Complexes of Mononuclear Schiff base derived from 4-Methoxybenzaldehyde and Glycine

**Netra Pal Singh**, Krishna Lal Anand and Jagvir Singh

*Asian Journal of Chemistry*, **23**(9), 4090-4092, 2011

ISSN -0970-7077(Print), IF .35

8. Synthesis and antimicrobial activity of thiazolidinone norfloxine hybrids

Vikas kumar, Ashok Kumar, Shalabh Sharma and **Netra P. Singh**

*Indian Journal of Chemistry* , **50B**,1496-1503, 2011

ISSN -1553-3174(Print), IF-.50

9. Synthesis, Characterization and Spectral Studies of cobalt (II) Complexes of ethyl and t- butyl esters of Hydrazine carboxylic acid.

P.C. Jain, **N.P. Singh** and S.C. Pahwa

*Journal of Indian Chemical Society*, **89**, 275-279, 2012

ISSN -0019-4522(Print), IF-.251

10. Physico-chemical and biological studies of Cu(II), Co(II), and Ni(II) complexes of a Schiff base derived from diacetyl bisethylene diamine and benzoic acid.

**Netra Pal Singh** and Abhay Nanda Srivastava

*J. Serb. Chem. Soc.* **77**(5), 627-637, 2012 ISSN -1820-7421(online), IF- .885

11. Magnetic and Spectroscopic studies of the synthesized metal complexes of Bis(Pyridine-2-carbo) hydrazide and their Antimicrobial studies

**Netra Pal Singh**, Anu and Jagvir Singh

*E-Journal of Chemistry*, **9**(4), 1835-1842, 2012 , ISSN -2090-9063(Print), IF-.622

12. Synthesis, Spectral and biological studies on Novel Schiff base complexes of [manganese (II), copper (II), nickel (II) and cobalt (II)] derived from 3-chloro Benzohydrazide and aldehyde derivative.
- Netra Pal Singh**, Pradeep Kumar and Jagvir Singh
- Asian Journal of Chemistry, **24(12)**, 5719-5722, 2012
- ISSN -0970-7077(Print), IF H Index 23
13. Impact of Filter back Wash water when Blends with Source water on total Organic Carbon and dissolved Organic Carbon Removal
- Netra Pal Singh**, Suman Sagar and Sulekh Chandra
- Research Journal of Chemical Sciences, Vol.**2(10)**, 38-42, 2012
- ISSN -2231-606X (online), IF-.50
14. Synthesis, spectroscopic and antimicrobial studies on some monovalent copper (II), cobalt (II), nickel (II) and manganese (II) complexes of N-(2-ethylphenyl) N'-Picolinoyl hydrazine
- Netra Pal Singh**, Anu and Jagvir Singh
- Asian Journal of Chemistry, **25(1)**, 455-458, 2013
- ISSN -0970-7077(Print), IF H Index 23
15. Synthesis and characterization of novel binuclear transition metal complexes of Schiff Base ligand derived from 1-amino-5-methyl-2,6-pyrimidine-dione and 2,3-butanedione and their antimicrobial studies
- Netra Pal Singh\*** and Abhay Nanda Srivastava
- Asian Journal of Chemistry, **25(1)**, 533-537, 2013
- ISSN -0970-7077(Print), IF .35
16. Synthesis and Spectral Studies of Copper(II) and Manganese(II) Complexes using 2-hydroxy benzyl-(pyridine-2-carbo) Iminohydrazone and 2-Furyl-(pyridine-2-carbo) Iminohydrazone : evaluation of their magnetic and antimicrobial properties.
- Netra Pal Singh**, Anu and Jagvir Singh
- Journal of Spectroscopy, Hindawi Pub., Volume 2013, Article ID 792318, 1- 8 pages
- ISSN -2314-4939(online), IF-.831
17. Synthesis and Spectroscopic characterization of some Novel Schiff Base Compounds of Transition Metal and Their Biological Screening

**N.P Singh**\*, Poonam Saini and Asvini Kumar

Rasayan Journal of Chemistry Vol. **6(3)**, 190-195, 2013

ISSN -0974-1496(Print), IF H Index 7

18. Ground water quality Appraisal and its hydrochemical characterization in Ghaziabad region (a region of indo-gangatic plain), Uttar Pradesh, India

**Netra Pal Singh**, Uday Veer Singh

Applied Water sciences, **4**, 145-157, 2014

ISSN -2190-5495(online), IF-.50

19. Template Synthesis and characterization of bioactive binuclear transition metal complexes of 4-amino-pyrimidine-2-one, diacetyl and glycine.

**Netra Pal Singh**, Abhay Nanda Srivastav and Chandra Kiran Srivastawa

*J. Serb. Chem. Soc.* **79(4)**, 421-433, 2014, ISSN -1820-7421(online), IF-.885

20. Synthesis and Spectroscopic characterization of some novel Schiff bases complexes of transition metal ions and their biological studies

**Netra Pal Singh**\*, Poonam Saini and Asvini Kumar

Asian Journal of Chemistry, Vol. **26(22)**, 7515-7518, 2014

ISSN -0970-7077(Print), IF-.30

21. In vitro antibacterial activities of binuclear transition metal complexes of ONNO Schiff Base and 5-methyl-2,6-pyrimidine-dione and their spectroscopic validation

Abhay Nanda Srivastava, **Netra Pal Singh** and Chandra Kiran Srivastawa

*Arabian Journal of Chemistry*, **9(1)**, 2016, Pages 48-61, ISSN 1878-5352

ISSN -1878-5352(online), IF-3.725

22. Phyto- extraction of heavy metals and biochemical changes with *Brassica nigra L.* grown on rayon grade paper mill effluent irrigated soil

Uday Veer Singh, Amar Abhishek, Monika Bhasker, Neeraj Tandan, Nasreen Ghazi Ansari and **Netra Pal Singh**

*Bioinformation* **11(3)**, 138-144, 2015, ISSN -0973-2063(online), IF-0.80

23. Spectroscopic Validation and Biological Screening of Novel Iron(III) complexes with N,O donor ligands

**Netra Pal Singh**\* and Abhay Nanda Srivastava, S C Pahwa, P C Jain

*Research on Chemical Intermediates*, Springer , **42**, 8023-8037, 2016 , IF-1.833

ISSN -0922-6168 & 1568-5675

24. De novo designing of trivalent metal complexes with ligand derived from N1-[2-(2-Amino-ethylimino)-1-methyl-propylidene]-ethane-1,2-diamine and 4-chloro benzoic acid: in vitro biological studies and spectroscopic validation  
**Netra Pal Singh\*** and Abhay Nanda Srivastava, Chandra Kiran Srivastava

*Research on Chemical Intermediates*, Springer , **42**, 8023-8037, 2016 , IF-1.833

ISSN -0922-6168 & 1568-5675

25. De novo designing of trivalent metal complexes with ligand derived from N1-[2-(2-Amino-ethylimino)-1-methyl-propylidene]-ethane-1,2-diamine and 4-chloro benzoic acid: in vitro biological studies and spectroscopic validation  
**Netra Pal Singh\*** and Abhay Nanda Srivastava, Chandra Kiran Srivastava

*Research on Chemical Intermediates*, Springer , **43**, 3663-3675, 2017 , IF-1.833

ISSN -0922-6168 & 1568-5675

26. Physicochemical studies on bioactive Cr(III) coordination compounds with esters of hydrazine carboxylic acid as hetero donor ligands

**Netra Pal Singh\*** , Abhay Nanda Srivastava, and Chandra Kiran Srivastava

*Research on Chemical Intermediates*, Springer,**43**, 5453-5465, 2017, IF-1.833

ISSN -0922-6168 & 1568-5675

27. Metal Organic Framework and its application: A Review

**N P Singh** and Anuroop Kumar,

*Comp. Biology and Chemistry*, Lawrence Press , New Delhi

DOI: <http://dx.doi.org/10.20936/cbc/160102>

28. Thermal Power Plant-A Need of Fly Ash Management: A review

Rekha Rani, Shyoraj Singh and **Netra Pal Singh**,

*Acta Ciencia Indica Vol XLIII No. 2*, 191-197, 2017, ISSN -0253-7338

29. . Synthesis, Spectral and Biological Study of Bidentate Co(II), Ni(II) and Cu(II) complexes of (2E,N Z) N'-(Z) -3- Phenylallylidine) But-2-ene Thiohydrazide

**N P Singh**, Jagvir Singh and Anuradha,

*Acta Ciencia Indica Vol XLIII No. 2*, 225-231, 2017 ISSN -0253-7338

30. . Origins , Current status and Future Challenges of Green Chemistry: A Review

**N P Singh** and Kaushal Kumar

*Acta Ciencia Indica Vol XLIII No. 2*,385-390, 2017 , ISSN -0253-7338

31. SYNTHESIS, CHARACTERIZATION AND ANTIMICROBIAL ACTIVITY OF COMPLEXES OF METALS [Mn(II),Fe(II), Ni(II),Co(II) AND Zn(II)] OF LIGAND DERIVED FROM 2,2-DIMETHYL PROPANE-1,3-DIAMINE AND 5-CHLORO ISATIN

N.P.SINGH<sup>1\*</sup>, K. KUMAR, A.MISHRA AND U.AGARWAL  
*Rasayan J Chemistry*, **13(1)**, 215-221,2020, ISSN 0974-1496

32. Novel Cr(III), Co(II), Zn(II) and Cd(II) Complexes of Schiff Base Ligand derived from Salicylaldehyde and 3, 4- Diamino Toluene: Synthesis, Characterization and Biological Screening

Netra Pal Singh\*,Uma Agarwal , Anuroop Kumar and Kaushal kumar  
*Asian Journal of Chemistry*, Vol. **32(5)**, 1091-1096, 2020

33. SYNTHESIS, CHARACTERIZATION, SPECTRAL STUDIES AND ANTIMICROBIAL APPLICATION OF LIGAND N<sup>2</sup>, N<sup>6</sup>-BIS (5-NITROTHIAZOL-2-YL) PYRIDINE 2, 6-DICARBOXAMIDE AND ITS COMPLEXES OF Cu(II), Ni(II) and Fe(III)

A. Kumar N.P. Singh\*, U.Agarwal, and K. Kumar.  
*Rasayan J Chemistry*, **13(2)**, 1238-1244, 2020, ISSN 0974-1496

34. SYNTHESIS, SPECTRAL STUDY AND ANTIBACTERIAL ACTIVITY OF ASYMMETRICALTETRADENTATE SCHIFF BASE COMPLEXES

U.Agarwal, N.P. Singh\*, A. Kumar and K. Kumar.  
*Rasayan J Chemistry*, **13(3)**, 1685-1691,2020, ISSN 0974-1496

35. Synthesis, Characterization and Biological Evaluation of Schiff base Transition Metal Complexes derived from 4-Nitrobenzene-1, 2-diamine and 5-Chloroisatin

NETRA PAL SINGH\*, KAUSHAL KUMAR GAJENDRA KUMAR and ANUROOP KUMAR

*Asian Journal of Chemistry*, Vol. **32(9)**, 2324-2328, 2020

36 . Recent Advancement of Synthesis of Isatin as a versatile Pharmacophore: A Review

N.P. Singh\*, Kaushal Kumar and Gajendra Kumar

*Drug Research*, **Accepted** (2020)

### Conference Proceedings Publications:

1. Synthesis and Spectroscopic Studies of the 3d-Transition Metal Complexes with the Novel Thiosemicarbazone and their Biological Screening.

**Netra Pal Singh** and Jagvir Singh

*Proceedings of National conference on green chemistry*, Sept., 16-17, page 20, 2010

SRM- Univerisity, NCR, Ghaziabad

2. Synthesis of Metal-Bis(N(3-ethyl phenyl) Pyridine acetyl hydrazine complexes and evaluation of their Magnetic and antimicrobial activity,

Jagvir Singh, Kamlesh Kumari, Prashant singh, Gopal K. Mehrotra and **Netra Pal Singh**

AIP Conf. Proc. 1461, pp387-391, 2012 (ISBN-978-0-7354-1065-7)

( IWFMM -2011) date 20-22 Dec., 2011, Behrampur ,Odisha