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1. **Name and full correspondence address :** **Dr. Lal Bahadur Prasad**
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3. **Institution :** Institute of Science, Banaras Hindu University
4. **Date of Birth :** 25/07/1968
5. **Gender (M/F/T) :** M
6. **Whether differently abled (Yes/No):** No
7. **Academic Qualification (Undergraduate Onwards)**

S.No.	Degree	Year	Subject	University/Institution
1.	Ph.D.	1995	Chemistry	Banaras Hindu University
2.	M.Sc.	1991	Chemistry	Banaras Hindu University
3.	B.Sc.	1988	Chemistry (Hons.), Physics, Mathematics	Banaras Hindu University

8. **Ph.D. thesis title:** Preparation, characterization and solid state electrical conductance of heterobimetallic- Salts and complexes formed with some 1,1- and 1,2-Dithioligands.

Guide's Name: Prof. N. Singh,

University: Banaras Hindu University

Year of Award: 1995

9. Work experience (in chronological order).

S.No.	Positions held	Name of the Institute	From	To	Pay Scale
1.	Associate Professor	Banaras Hindu University	13/07/2020	Till date	Rs. 1,31,400 - 2,17,100
2.	Assistant Professor	Banaras Hindu University	30/05/2007	12/07/2020	Rs. 15600-31100
3.	Chemical Assistant Gr I	Government Opium and Alkaloids Works, Ghazipur (U.P.)	15/04/1999	29/05/2007	Rs. 5500-9000
4.	Chemical Assistant Gr II	Government Opium and Alkaloids Works, Ghazipur (U.P.)	22/08/1996	14/04/1999	Rs. 5000-8000

10. Professional Recognition/ Conferences/Ph.D. guided.

Area of specialization:

Design, Synthesis, Structural Characterization, Biological Evaluation and Optical properties of transition metal complexes with functionalized sulfur based ligands. Synthesized ligand and their complexes have been characterized by various physicochemical techniques. The developed new organic complex based materials exhibiting interesting semiconducting and luminescent properties as well as structural diversities with weaker interaction have been studies. The thermo gravimetric analysis of the complexes have been investigated by TGA which indicative for their metal sulphide as final product.

Membership of Academic Bodies: Life member of the Indian Society of Analytical Scientists (ISAS)

Conferences/ School Organized:

- (i) Served as the Secretary, National Symposium on Contemporary Trends and Future Prospect of Functional Materials (CTFM-2019); held at department of Chemistry, Banaras Hindu University during November 29-30, 2019
- (ii) Assisted as a member, Organizing Committee for organizing various National and International Conferences and Symposia in the Department of Chemistry, Banaras Hindu University.

Conference attended: 15 National and International Conference attended.

Ph.D. /PG Dissertation Guided: (i) 03 Ph.D. awarded

(ii) 20 PG dissertation awarded

11. Publications (List of papers published in SCI Journals, in year wise descending order).

S.No.	Author(s)	Title	Name of Journal	Volume	Page	Year
1.	Anupam Singh, Rajesh Kumar, Riya Patel, Trishna Jaiswal, Ramnayan Gautam, Manoj Kumar Bharty, Lal Bahadur Prasad	Dithiocarbamate based novel anti-histaminic agents: Synthesis, characterization, crystal structure and thermal study	Dalton Transactions	53 (33)	14077-14088	2024
2.	Anupam Singh , Kunal Shiv, Ranjeet Singh, MK Bharty, Partha Pratim Manna, Lal Bahadur Prasad	Antiproliferative activity of Fe (ii), Co (ii), Ni (ii), Cu (ii), and Zn (ii) complexes of dithiocarbamate: synthesis, structural characterization, and thermal studies	Dalton Transactions	53 (3)	1196-1208	2024
3.	Kunal Shiv, Anupam Singh, Lal Bahadur Prasad , Ram Nayan Gautam, MK Bharty,	Comparative analysis of edible oils classification using Fourier transform infrared and fluorescence spectroscopy coupled with chemometrics	Journal of Food Composition and Analysis	129	106056	2024

	Triparna Das					
4.	Kunal Shiv, Anupam Singh, Sachin Kumar, Lal Bahadur Prasad , Seema Gupta, Manoj Kumar Bharty	Evaluation of different regression models for detection of adulteration of mustard and canola oil with argemone oil using fluorescence spectroscopy coupled with chemometrics	Food Additives & Contaminants: Part A	41(2)	105-119	2024
5.	Anupam Singh, Rajesh Kumar, Kunal Shiv, Shivendra Kumar Pandey, MK Bharty, RJ Butcher, Lal Bahadur Prasad	Synthesis, crystal structure and screening for anticonvulsant and antianxiety activities of three new Ni (II), Cu (II), and Zn (II) dithiocarbamate complexes	Journal of Molecular Structure	1298	137052	2024
6.	Anupam Singh, Lal Bahadur Prasad , Kunal Shiv, Rajesh Kumar, Somenath Garai	Synthesis, characterization, and in vitro antibacterial and cytotoxic study of Co(II), Ni(II), Cu(II), and Zn(II) complexes of N-(4-methoxybenzyl) N-(phenylethyl) dithiocarbamate ligand	Journal of Molecular Structure	1288	135835	2023
7.	Suryansh Chandra, Jyoti Prajapati, Shubham Jaiswal, Shivendra Kumar Pandey, Ida Tiwari, Lal Bahadur Prasad , Manoj Kumar Bharty	Electrochemical sensing of 4-nitrophenol through heteroleptic complexes of Ag (I) and Hg (II) based on 2-thiazoline-2-thiol: Synthesis, crystal structures, and Hirshfeld analysis	Applied Organometallic Chemistry	37(9)	e7210	2023
8.	Shubham Jaiswal, Lokesh Yadav, Shivendra Kumar Pandey,	Synthesis, characterizations, crystal structure and anticancer activity of Mn (II), Co (II) and Ni (II) complexes	Polyhedron	238	116408	2023

	Suryansh Chandra, MK Bharty, Lal Bahadur Prasad , A Acharya	of N'-cyclohexyl-2-thiophene-carbonyl hydrazine carbothioamide				
9.	Vinay Kumar Maurya, Lal Bahadur Prasad , Anupam Singh, Kunal Shiv , Sachin Kumar, Manoj Kumar Bharty	Cd(II) Dithiocarbamate Complexes: Synthesis, Spectral Studies, Thermogravimetric Analysis and Semiconducting Behaviour	Asian Journal of Chemistry	35	499-503	2023
10.	Vinay Kumar Maurya, Lal Bahadur Prasad , Anupam Singh, Kunal Shiv, Akhilesh Prasad	Synthesis, spectroscopic characterization, biological activity, and conducting properties of functionalized Ni(II) dithiocarbamate complexes with solvent extraction studies of the ligands	Journal of Sulfur Chemistry	44	336-353	2023
11.	N. Kumar, K. Shiv, P.K. Prajapati, D. Mishra, V.K. Tripathi, L.B. Prasad	Examining Different Solvent Systems for Preliminary Examination of Petrol, Diesel, and Kerosene	Indian Journal of Advances in Chemical Science	11(2)	71-75	2023
12.	Ravi Pratap Singh, Anupam Singh, Lal Bahadur Prasad , Kunal Shiv, Sumit Kumar Hira Partha Pratim Manna	Nickel (II), Copper (II), and Zinc (II) Complexes of N-bis (4-methoxybenzyl) Dithiocarbamate: Synthesis, Characterization Studies, and Evaluation of Antitumor Activity	Journal of Molecular Structure	1264	133295	2022
13.	MK Gond, Shivendra Kumar Pandey, R Singh, Manoj K Bharty,	In vitro and In silico anticancer activities of Mn (ii), Co (ii), and Ni (ii) complexes: synthesis,	New Journal of Chemistry	46	11056-11070	2022

	Partha Pratim Manna, VK Singh, B Maiti, LB Prasad, RJ Butcher	characterization, crystal structures, and DFT studies				
14.	Ravi Pratap Singh, Vinay Kumar maurya, Kafeel Ahmad Siddiqui and Lal Bahadur Prasad	Three Novel Cd(II) dithiocarbamate Complexes: Synthesis, structural diversity and fluorescence properties	Journal of the Iranian Chemical Society	17	2867	2020
15.	Ravi Pratap Singh, Vinay Kumar Maurya, Biswajit Maiti, Kafeel Ahmad Siddiqui, Lal Bahadur Prasad	Synthesis, structure and thermogravimetric analysis of novel dithiocarbamate based Zn(II),Cd(II) and Hg(II) complexes	Journal of Molecular Structure	1198	126912	2019
16.	Vinay Kumar Maurya, Ashish Kumar Singh, Ravi Pratap Singh, Shivangi, Yadav, Krishna Kumar, Pradyot Prakash & Lal Bahadur Prasad	Synthesis and evaluation of Zn(II) dithiocarbamate complexes as potential antibacterial, antibiofilm, and antitumor agents	Journal of Coordination Chemistry	72	3398	2019
17.	Paras Nath, M. K. Bharty, L. B. Prasad , R. J. Butcher, J. P. Jasinski	A piperidinium-carbodithioate salt: Synthesis, Crystal structure, Spectral, Cation-Interaction and Electrochemical Studies	Journal of Molecular Structure	1189	51	2019
18.	Ravi Pratap Singh, Vinay Kumar Maurya, Biswajit Maithi, Kafeel Ahmad Siddiqui, Lal Bahadur Prasad	Three new homoleptic nickel(II) 1,1-dithiocarbamate complexes: synthesis, structure, electrical conductivity and DFT study	Journal of Coordination Chemistry	71	3008	2018
19.	Vinay Kumar Maurya, Ravi	Comparative Evaluation of Trace Heavy Metal Ions in	Oriental Journal of	34	100	2018

	Pratap Singh, Lal Bahadur Prasad	Water Sample Using Complexes of Dithioligands by Flame Atomic Absorption Spectrometry	Chemistry			
20.	Krishna K. Manar, Ajit N. Gupta, Lal B. Prasad , Pankaj Srivastava, Michael G.B. Drew, And Nanhai Singh	Synthesis, Crystal Structures and Photosensitizing Activities of Ni(II) and Pd(II) Heteroleptic Dithiolate-dppf Complexes,	Chemistry Select	2	2655	2017
21.	Manish Kumar Sinha, Swati Pramanik, Aarti Kumari, Sushanata Kumar Sahu, Lal Bahadur Prasad , Manis Kumar Jha, Kyoungkeun Yoo, Banshi Dhar Pandey	Recovery of value added products of Sm and Co from waste SmCo magnet by hydrometallurgical route	Separation and Purification Technology	179	1	2017
22.	Manish Kumar Sinha, Sushanta Kumar Sahu, Swati Pramanik, Lal Bahadur Prasad , Bnashi Dhar Pandey	Recovery of high value copper zinc oxide powder from waste brass pickle liquor by solvent extraction,	Hydrometallurgy	165	182	2016
23.	Manish Kumar Sinha, Swati Pramanik, Sushanta Kumar Sahu, Lal Bahadur Prasad , Manis Kumar Jha, Banshi Dhar Pandey	Development of an efficient process for the recovery of zinc and iron as value added products from the waste chloride solution	Separation and Purification Technology	167	37	2016

24.	Kumar Yadav, Gujan Rajput, Lal Bahadur Prasad , Michael G.B. Drew and Nanhai Singh	Rare intermolecular M... H-C anagostic interaction in homolepticNi(II)-Pd(II) dithiocarbamate complexes, Manoj Kumar Yadav, Gujan Rajput, Lal Bahadur Prasad , Michael G.B. Drew and Nanhai Singh	New J. Chem	39	5493	2015
25.	Ajit N.Gupta, Vinod Kumar, Vikram Singh, Amit Rajput, Lal Bahadur Prasad , Michael G.B. Drew, Nanhai Singh	Influence of functionalities on the structure and luminescent properties of organotin(IV) dithiocarbamate complexes	Journal of Organometallic Chemistry	787	65	2015
26.	Manish K. Sinha, Sushanta K. Sahu, Pratima Meshram, L. B. Prasad , Banshi D. Pandey	Low temperature hydrothermal synthesis and characterization of iron oxide powders of diverse morphologies from spent pickle liquor	Powder Technology	276	214	2015
27.	Vinod Kumar, Vikram Singh, Ajit N. Gupta, Krishna K. Manar, Lal Bahadur Prasad , Michael G.B. Drew and Nanhai Singh	Influence of ligand environment on the structure and properties of silver(i) dithiocarbamate cluster-based coordination polymers and dimers	New J. Chem.	38	4478	2014
28.	Ajit N. Gupta, Vikram Singh, Vinod Kumar, Lal Bahadur Prasad , Michael G.B. Drew, Nanhai Singh	Synthesis, crystal structures and optical properties of heterolepticCopper (I) dithio/PPh3 complexes	Polyhedron	79	324	2014
29.	Vikram Singh,	Conducting properties of	Synthetic Metals	176	65	2013

	Abhinav Kumar, Manoj K. Yadav, Lal Bahadur Prasad and Nanhai Singh	new heterometallic one- dimension coordination Polymers derived from 1- nitroethylene-2,2- dithiolate (NED ²⁻) ligand and their I ₂ -doped products,				
30.	S. K. Mishra, Giriraj Nyati, Nikhil Agerwal, V.D. Vankar and L. B. Prasad	Effect of N ₂ on the Archival Life of Ag-In-Sb- Te Based PhaseChangeMedia	Journal of Scientific and Technical Research	3	21	2013
31.	Gunjan Rajput, Vikram Sing Santosh K. Singh, Lal B. Prasad , Michael G. B. Drew and Nanhai Singh	Cooperative Metal- Ligand-Induced Properties of Heteroleptic Copper (I) Xanthate/dithiocarbamate PPh ₃ Complexes	Eur J. Inorg. Chem.		3885	2012
32.	Nanhai Singh and Lal Bahadur Prasad	Synthesis of Isomaleonitrile dithiolato bridged heterobimetallic complexes, M [Pb(i- MNT) ₂] and their conductance behaviour	Ind. Journal of Chem	37A	167	1998
33.	N. Singh, L. B. Prasad	Semiconducting properties of some newly synthesized mixed- metal, mixes- Ligand complexes-III, , ., 28 (1998) 929	Synth. React. Inorg. Met-Org	28	929	1998
34.	N. Singh, L. B. Prasad	Preparation, Spectroscopic Characterization and Solid State Electrical Conductance of Bimetallic Salts of the type [M(L-L) ₃] ²⁺ [M'(MNT) ₂] ²⁻ Part –I , ., 26 (1996)627	Synth. React. Inorg. Met-Org	26	627	1996
35.	N. Singh, L. B. Prasad and R.	Preparation, Spectroscopic Characterization and Solid	Synth. React.	25	915	1995

	Verma	State electrical conductance of Bimetallic Salts of the type $[M(L-L)_3]^{2+}[M'(DED)_2]^{2-}$, Synth. React. Inorg. Met-Org., 25 (1995)915	Inorg. Met-Org			
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