DR. PATEL MOHANBHAI NARANBHAI

Designation: Professor

Specialization: Inorganic Chemistry

Address: Department Of Chemistry,
Sardar Patel University,
Vallabh Vidyanagar – 388120
Anand, Gujarat

Office:

Telephone:91-2692-226858 to Ext- 218

E-mail: jeenen@gmail.com

ORCID ID:0000-0001-9016-9245

Date of Birth: 14/01/1963

Residence: 20,Sarthi Bunglows, Karamsad, Gujarat

Educational Qualifications

- Graduated in Science with Chemistry as principle subject from South Gujarat University in the year 1984
- Masters in Science with Inorganic Chemistry as principle subject from South Gujarat University in the year 1986
- Master of philosophy in Chemistry from South Gujarat University on the title “Studies in some heterochelates” in the year 1987
- Doctor of philosophy in Chemistry from South Gujarat University on the title “Studies in some heterochelates” in the year 1989

Academic Experience

- Lecturer in Inorganic Chemistry, J & J Science College, Nadiad 21st August1989 to 10th March 1993
- Lecturer in Inorganic Chemistry, Dept. of Chemistry, SPU, 11th March 1993 to 20th August 1994

- Sr. Lecturer in Senior Scale Dept. of Chemistry, SPU, 21st August1994 to 6th September 1998
- Reader in Chemistry, Dept. of Chemistry, SPU, 7th September 1998 to 6th September 2006
- Professor in Chemistry Dept. of Chemistry, 7th September to till date

Research Area:

Bioinorganic Chemistry, Coordination Chemistry and Coordination Polymers.

Expertise: Bioinorganic Chemistry, DNA Interaction study

No. of Publication: 165

List of Publications (Appendix)

Sr No	Author's Name	Title	Name of the Journal/ Impact factor	Vol	Page	Year
165	BH Pursuwani, BS Bhatt, F U Vaidya, C Pathak, MN Patel*	Fluorescence, DNA interaction and cytotoxicity studies of 4,5-dihydro-1H-pyrazol-1-yl moiety based Os(IV) compounds: Synthesis, characterization and biological evaluation	Journal of Fluorescence	31	349-362	Dec. 2020
164	BH Pursuwani, BS Bhatt, F U Vaidya, C Pathak, MN Patel*	Osmium(IV) complexes with substituted carbothioamide moiety based heterocycles and their biological applications(https://doi.org/10.1080/10406638.2020.1852581)	Polycyclic Aromatic Compounds	Published online: 02 Dec 2020		Nov. 2020
163	Reena R.Varma, Juhi G. Pandya, F U. Vaidya, Chandramani Pathak, Bhupesh Bhatt M N. Patel*	Biological activities of pyrazoline-indole based Re(I) carbonyls: DNA interaction, antibacterial, anticancer, ROS production, lipid peroxidation, in vivo and in vitro cytotoxicity studies	Chemico Biological interactions/ 3.723	330	10931	Aug. 2020

162	Nikita J. Patel, Bhupesh Bhatt, Pankaj A. Vekariya, F U. Vaidya, Chandramani Pathak, Juhi G. Pandya, Mohan N. Patel*	Synthesis, characterization, structural-activity relationship and biomolecular interaction studies of heterolepticPd(II) complexes with acetyl pyridine scaffold	Journal of Molecular Structure/ 2.011	1221	128802	June 2020
161	BH Pursuwani, BS Bhatt, F U Vaidya, C Pathak, MN Patel*	Oxadiazole based Os(IV) compounds as potential DNA intercalator and cytotoxic agents	Inorganic chemistry communications/ 1.777	119		June 2020
160	Reena R.Varma, Juhee G.Pandya, F U. Vaidya, Chandramani Pathak, Bhupesh Bhatt Mohan N. Patel*	Synthesis, Characterization and Biological Application of pyrazolo[1,5-a]pyrimidine Based Organometallic Re(I) Complexes	Acta ChimicaSlovenica	67	957-969	June 2020
159	Darshana N Kanthecha, Bhupesh Bhatt, Mohan N Patel*, Dilip B Raval, Vasudev R Thakkar, F U Vaidya, Chandramani Pathak	Bipyrazole Based Novel Bimetallic µ-oxo Bridged Au (III) Complexes as Potent DNA Interacalative, Genotoxic, Anticancer, Antibacterial and Cytotoxic Agents	Journal of Inorganic and Organometallic Polymers and Materials	30	5085-5099	June 2020
158	BH Pursuwani, BS Bhatt, FU Vaidya, C Pathak, MN Patel*	Tetrazolo [1, 5-a] quinoline moiety-based Os (IV) complexes: DNA binding/cleavage, bacteriostatic and photocytotoxicity assay(https://doi.org/10.1080/07391102.2020.1756912)	Journal of Biomolecular Structure and Dynamics	Published online: 29 Apr 2020		April 2020

157	R.R. Varma, J.G. Pandya, J. Sharma, C. Pathak, M.N. Patel*	DNA interaction, in vivo and in vitro cytotoxicity, reactive oxygen species, lipid peroxidation of–N, S donor Re (I) metal complexes	Molecular Diversity	Published online: 31Jan 2020		January 2020
156	Reena Varma, Bharat H. Pursuwani, E. Suresh, Bhupesh Bhatt Mohan N. Patel*	Single crystal, DNA interaction and cytotoxicity studies of rhenium(I) organometallic compounds	Molecular Structure/ 2.011	1200	127068	Sept-2019
155	Nikita J. Patel, Bhupesh Bhatt Mohan N. Patel*	HeterolepticN,N-donor pyrazole based Pt(II) and Pd(II) complexes: DNA binding, molecular docking and cytotoxicity studies	Inorganicachimica acta\ 2.408	498	119130	Sept-2019
154	Pankaj A. Vekariya, Parag S. Karia, Bhupesh Bhatt, Mohan N.Patel	Spectroscopic and electrochemical study for evaluating DNA interaction activity of 4-(3-halophenyl)-6-(pyridin-2-yl)pyrimidin-2-amine based piano stool Cp* Rh(III) and Ir(III) complexes"	Applied Organometallic Chemistry	33		July 2019
153	Parag S. Karia, Pankaj Vekariya, Anshul Patidar, Darshana N. Kanthecha, Bhupesh Bhatt Mohan N. Patel*	DNA interaction, in vitro antibacterial and cytotoxic activities of Ru(III) heterochelates	Acta chim.Slov	66	944-949	July 2019
152	Darshana N. Kanthecha, Bhupesh Bhatt, Mohan N.Patel	Synthesis characterization and biological activities of imidazo[1,2-a]pyridine based gold(III) metal complexes	Heliyon	5	E01968	June 2019
151	Khyati P. Thakor, Miral V. Lunagariya, Bhupesh Bhatt, Mohan N.Patel	Fluorescence and Absorption Titrations of Bio-relevant Imidazole based Organometallic Pd(II) Complexes with DNA: Synthesis, Characterization, DNA Interaction, Antimicrobial, Cytotoxic and Molecular Docking Studies	Journal of Inorganic and Organometallic Polymers and Materials	29	2262–2273	May 2019

150	Bharat H. Pursuwani, Reena Varma, Mohan N. Patel	Synthesis, Characterization and biological applications of osmium(IV) complexes	Prajna- Journal of pure and applied sciences	26	69-77	Dec. 2018
149	Khyati Thakor, Miral V. Lunagariya, Bhupesh Bhatt, Mohan N.Patel	Fluorescence and absorption studies of DNA–Pd(II) complex interaction: Synthesis, spectroanalytical investigations and biological activities	Luminescence	34	113-124	Nov. 2018
148	Khyati Thakor, Miral V. Lunagariya, Bhupesh Bhatt, Mohan N.Patel	Bipyrazole based palladium(II) complexes as DNA intercalator and artificial metallonuclease	Monatsheftefür Chemie - Chemical Monthly	150	233–245	Oct. 2018
147	Pankaj A. Vekariya, Parag S. Karia, Bhupesh Bhatt, Mohan N.Patel	Effect of Substituents on the Biological Activities of Piano Stool η5 - Cyclopentadienyl Rh(III) and Ir(III) Complexes	Journal of Inorganic and Organometallic Polymers and Materials	28	2749–2758	Sept. 2018
146	Pankaj A. Vekariya, Parag S. Karia, Bhupesh Bhatt, Mohan N.Patel	Half sandwich rhodium(III) and iridium(III) complexes as cytotoxic and metallonuclease agents"	Applied Biochemistry and Biotechnology.	187	556-569	J2019
145	Khyati P. Thakor, Miral V. Lunagariya, Bhupesh Bhatt, Mohan N.Patel	"Synthesis, characterization and biological applications of some substituted pyrazoline based palladium(II) compounds"	Applied Organometallic Chemistry	32	4523	JUNE 2018
144	Miral V. Lunagariya, Khyati P. Thakor, Bharat H. Pursuwani, Mohan N.Patel	"Evolution of 1, 3, 5-trisubstituted bipyrazole scaffold based platinum(II) complexes as a biological active agent "(https://doi.org/10.1080/15257770.2018.1498510),	Nucleosides, Nucleotides and Nucleic Acids	37(8)		May 2018

143	Darshana N. Kanthecha, Dilip B. Raval, Vasudav R. Thakkar Mohan N.Patel	Biological Significance of Hetero-Scaffolds Based Gold(lll) Complexes	Acta chim.Slov.	65	333-343	JAN-2018
142	MiralV. Lunagariya, KhyatiP.Thakor Reena Varma, Bhargav N, Vaghela, Chandramani Pathak Mohan N.Patel	Synthesis, Characterization and biological application of 5-quinoline 1,3,5-trisubstituted pyrazole based platinum(ll) complexes	MedChemComm	9	282-298	JAN 2018
141	Miral V. Lunagariya Khyati P.Thakor Darshana N. Kanthecha Mohan N.Patel	Evolution of organometallic palladium(II) compounds as potential therapeutic agents	JOC	854	49-63	JAN 2018
140	Darshana N. Kanthecha, Mohan N.Patel	Imidazo[1,5-A] Pyridine Based Ru(Ii) Complexes As Biological Active Agent	PRAJNA-Journal of Pure and Applied Science	24-25	130-140	DEC-2017
139	Miral V. Lunagariya, Khyati Thakor, Nikita J. Patel, Mohan N. Patel	Design, synthesis, pharmacological evaluation and DNA interaction studies of binuclear Pt(II) complexes with pyrazolo[1,5-a]pyrimidine scaffold	AOC	32(4)	e4222	SEPT 2017
138	Miral V. Lunagariya, Khyati Thakor, Mohan N. Patel*	Biological Behavior Of Quinazolin-4(3h)-One Derivative Based Platinum(Ii) Compounds	Heterocyclic Letters	*7(3)*	791-818	|May-July| 2017
137	Miral V. Lunagariya, Khyati Thakor, Mohan N. Patel*	Synthesis, characterization and biological application of cyclometalatedheterolepticplatinum(II) complexes	Applied Organometallic Chemistry/ 2.011	32(2)	e4045	2017

136	Khyati P. Thakor, Miral V. Lunagariya, Parag S. Karia, Mohan N. Patel*	Evolution of palladium(II) complexes as DNA intercalator and artificial metallonuclease	Monatsheftefür Chemie - Chemical Monthly (MCCM) / 1.222	148	1733–1743	2017
135	Sanjay Gajera, Jugal V. Mehta, Ravi R. Patel Mohan N. Patel	Novel cytotoxic oxovanadium^{IV} complexes: Influence of pyrazole incorporated heterocyclic scaffolds on their biological response	Applied Organometallic Chemistry/ 2.011	31(11)	e3767	2017
134	Miral V. Lunagariya, Khyati Thakor, Bhargav N. Waghela, F U. Vaidya, Chandramani Pathak Mohan N. Patel*	Design, synthesis, MTT assay, DNA interaction studies of platinum(II) complexes(DOI: 10.1080/07391102.2016.1268071)	Journal of Biomolecular Structure & Dynamics/ 2.919	36(1)		2016
133	Sanjay. Gajera, Jugal V. Mehta, Parth Thakor, Vasudev R. Thakkar, Mohan N. Patel*	Half-sandwich iridium(III) complexes with pyrazole substituted heterocyclic frameworks and its biological applications	New Journal of Chemistry	40	9968	2016
132	Khyati Thakor, Miral V. Lunagariya, Mohan N. Patel*	Acetyl pyridine based palladium(II) compounds as an artificial metallonucleases (DOI: 10.1080/07391102.2016.1236748)	Journal of Biomolecular Structure & Dynamics/ 2.919			2016
131	Sanjay Gajera, Jugal V. Mehta Mohan N. Patel*	Design of multifunctional iridiumIII compounds as a potential therapeutic agents from basic molecular scaffolds	Chemistry Select	1	3966-3973	2016
130	M. N. Patel, D. S. Gandhi, P. A. Parmar, J.V.Mehta	Molecular docking, free radical scavenging and DNA interaction studies of drug based coordination compounds	Monatshefte fur Chemie-Chemical Monthly	doi:10.1007/s00706-016-1816-5		2016

129	Jugal V. Mehta, Sanjay Gajera, Dilip B. Raval, Vasudev R. Thakkar Mohan N. Patel*	Biological assessment of substituted quinoline based heteroleptic organometallic compounds	Medchemcom m, RSC/ 2.495*	7	1617	2016
128	Jugal V Mehta, Sanjay B. Gajera Mohan N. Patel	Biological applications of pyrazoline based half-sandwich ruthenium(III) coordinationcompounds	Journal of Biomolecular Structure & Dynamics	doi.org/10 .1080/073 91102.201 6.1189360		2016
127	Jugal V Mehta, Sanjay Gajera Mohan N. Patel	Design, synthesis and biological evaluation of pyrazoline nucleus based homoleptic Ru(III) compounds	Medchemcom m, RSC	7	1367-1380	2016
126	Parag S. Karia, Pankajkumar A. Vekariya, Anshul Patidar, Mohan N. Patel*	Monitoring the DNA by ruthenium complexes of heterocyclic N, S -donor ligands and evaluation of biological activities	Monatshefte fur Chemie - Chemical Monthly	147	1903–1914	2016
125	Pankaj A. Vekariya,[a] Parag S. Karia,[a]Jayraj V. Vaghasiya,[a] Saurabh Soni, [a] E. Suresh,[b] Mohan N. Patel	Evolution of rhodium(III) and iridium(III) chelates as metallonucleases	Polyhedron /2.011	110	73-84	2016
124	Sanjay Gajera, Jugal V. Mehta Mohan N. Patel*	Metal based biologically active compounds: Design, synthesis, medicinal, toxicity and DNA interaction assay	Medicinal Chemistry Research/ 1.402	25	526	2016
123	Jugal V. Mehta Sanjay Gajera, Parth Thakor, Vasudev R. Thakkar Mohan N. Patel*	Synthesis of 1,3,5-trisubstituted pyrazoline derivatives and their applications	RSC Advances/ 3.708	5	85350	2015

122	Mohan N.Patel*, Parag S. Karia, Pankajkumar A. Vekariya, Anshul Patidar	Synthesis of heterocyclic compounds and its applications	Arabian Journal of Chemistry/ 3.725	doi.org/10.1016/j.arabjc.2015.06.031	-	2015
121	Parag S. Karia, Pankajkumar A. Vekariya, Anshul Patidar, Mohan N. Patel*	Copper(II) Complexes with N,O-Donor Ligands and Ofloxacin Drug as Antibacterial, DNA Interacting, Cytotoxic and SOD Mimic Agent	Indian Journal of Microbiology/ 0.89	55	302-312	2015
120	Mohan N.Patel*, Parag S. Karia, Pankaj A. Vekariya Anshul Patidar	Synthesis, Characterization and Biological Elucidation of Mixed Ligand Cu(II) Complexes as Artificial Metallonucleases	Journal of Pharmaceutical Sciences & Emerging Drugs	3 (1)	-	2015
119	Jugal V. Mehta[a], Sanjay B. Gajera[a], Disha D. Patel[b] Mohan N.Patel[a]*	Synthesis, spectral investigation and development of tetrahedral copper(II) complexes as artificial metallonucleases and antimalarial agents	Applied Organometallic Chemistry/ 2.017	29	357-367	2015
118	Sanjay B. Gajera, Jugal V. Mehta Mohan N. Patel*	DNA interaction, cytotoxicity, antibacterial and antituberculosis activity of oxovanadium(IV) complexes derived from fluoroquinolones and 4- hydroxy-5-((4-hydroxyphenyl) diazenyl) thiazole-2(3H)-thione	RSC Advances/3.7	5	21710	2015
117	Jugal V Mehta, Sanjay B. Gajera Mohan N. Patel	Antimalarial, antimicrobial, cytotoxic, DNA interaction and SOD like activities of tetrahedral copper(II) complexes	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy/ 2.13	136	1881-1892	2015
116	M. N. Patel, H. N. Joshi, C. R. Patel	Cytotoxic, DNA binding, DNA cleavage and antibacterial studies of ruthenium-fluoroquinolone complexes	Journal of Chemical Sciences/1.3	126(3)	739-749	2014

115	Patel Mohan N. Patidar, Anshul Karia, Parag S. Vekariya, Pankaj A.	Cytotoxic, antibacterial and nucleic acid interaction studies of square planar palladium(II) complexes	InorganicaChimica Acta/2.041	419	45-54	2014
114	M. N. Patel, C. R. Patel, H. N. Joshi, K. P. Thakor	DNA interaction and cytotoxic activities of square planar platinum(II) complexes with N, S -donor ligands	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy/ 2.13	127	261-267	2014
113	M. N. Patel, C. R. Patel, H. N. Joshi, P. A. Vekariya	Square planar platinum(II) complexes with N, S -donor ligands: Synthesis, characterization, DNA interaction and cytotoxic activity	Applied Biochemistry and Biotechnology/ IF-1.893	172	1846–1858	2014
112	M. N. Patel, A. P. Patidar	DNA interactions and promotion in antibacterial activities of norfloxacin drug due to formation of mixed-ligand copper(II) complexes	MonatsheftefürChemie/1.629 Accepted	145	369-381	2014
111	M. N. Patel, C. R. Patel, H. N. Joshi	Metal based biologically active compounds: synthesis, characterization, DNA interaction, antibacterial, cytotoxic and SOD mimic activities	Applied Biochemistry and Biotechnology/ 1.893	169	1329–1345	2013
110	M. N. Patel, B. S. Bhatt, P. A. Dosi	DNA Binding, Cytotoxicity and DNA Cleavage Promoted by Gold(III) Complexes	Inorganicchemistry communications/2.016	29	190-193	2013
109	M. N. Patel, B. S. Bhatt, P. A. Dosi	Synthesis and evaluation of gold(III) complexes as efficient DNA binders and cytotoxic agents	Spectrochimica Acta Part A /2.00	110	20-27	2013
108	M. N. Patel, H. N. Joshi, C. R. Patel	Cytotoxic, antibacterial, DNA interaction and superoxide dismutase like activities of sparfloxacin drug based copper(II) complexes with nitrogen donor ligands	Spectrochimica Acta Part A /2.00	104	48-55	2013

107	M. N. Patel, C. R. Patel, H. N. Joshi	Synthesis, characterization and biological studies of mononuclear copper(II) complexes with ciprofloxacin and N, O donor ligand	Inorganic Chemistry Communications/2.016	27	51-55	2013
106	M. N. Patel, H. N. Joshi, C. R. Patel	Interactions with herring sperm DNA and biological studies of sparfloxacin drug-based copper(II) compounds	Applied Organometallic Chemistry/ 2.011	26	641-649	2012
105	M. N. Patel, P. A. Dosi, B. S. Bhatt	Square planar palladium(II) complexes of bipyridines: synthesis, characterization and biological studies	Journal of coordination chemistry/ 1.801	65 (21)	3833-3844	2012
104	M. N. Patel, P. A. Dosi, B. S. Bhatt	Synthesis, Characterization and biological Activities of Ciprofloxacin Drug Based Metal Complexes	ActaChimicaSlovenica/1.33	59	622–631	2012
103	M. N. Patel, Pradhuman A. Parmar, Deepen Gandhi, Anshul Patidar	DNA interactions and cytotoxic studies of cis-platin analogues of substituted 2,20-bipyridines	Spectrochimica Acta Part A /2.00	97	54-59	2012
102	M. N. Patel, C. R. Patel, H. N. Joshi	Interaction of drug based copper(II) complexes with Sperm Herring DNA and their biological activities	Spectrochimica Acta Part A /2.098	97	66-73	2012
101	M. N. Patel, C. R. Patel, H. N. Joshi	Cytotoxic, DNA interaction, SOD mimic and antimicrobial activities of square pyramidal copper(II) complexes	ZAAC (Journal of Inorganic and General Chemistry) /1.247	638 (7-8)	1224-1232	2012
100	M. N. Patel, P. A. Dosi, B. S. Bhatt	Interaction of palladium(II) coordination compounds with calf thymus DNA and their antibacterial activity	Inorganic Chemistry Communications/2.016	21	61-64	2012
99	M. N. Patel, H. N. Joshi, C. R. Patel	Copper(II) complexes with norfloxacin and neutral terpyridines: cytotoxic, antibacterial, superoxide dismutase and DNA-interaction approach	Polyhedron /1.813	40	159-167	2012

98	M. N. Patel, D. S. Gandhi, P. A. Parmar, H. N. Joshi	DNA binding and cleavage activity of polypyridyl ruthenium(II) complexes	Journal of coordination chemistry/ 1.801	65	1926-1936	2012
97	M. N. Patel, D. S. Gandhi, P. A. Parmar	Synthesis, characterization and evaluation of five coordinated copper(II) complexes as antibacterial, artificial nuclease and SOD mimics	Nucleosides, Nucleotides and Nucleic Acids/1.132	31	445-460	2012
96	M. N. Patel, B. S. Bhatt, P. A. Dosi, A. V. R. L. Narshimacharya, H. V. Movaliya	Synthesis, spectral investigation and biological interphase of drug based cytotoxic square pyramidal coordination compounds	Applied Organometallic Chemistry/ 2.011	26	217-224	2012
95	M. N. Patel, B. S. Bhatt, P. A. Dosi	Topoisomerase inhibition nucleolytic and electrolytic contribution on DNA binding activity exerted by biological active analogue of coordination compounds	Applied biochemistry and biotechnology/ 1.893	166	1949-1968	2012
94	M. N. Patel, B. S. Bhatt, P. A. Dosi	Study of SOD mimic and nucleic acid interaction activity exerted by ciprofloxacin based copper(II) complexes of phenanthrolines	Chemistry & Biodiversity /1.804	9	2810-2824	2012
93	M. N. Patel, D. S. Gandhi, P. A. Parmar, B. S. Bhatt, A. P. Patidar	Cis-platinanalogus of bipyridines; covalent binding and degree of unwinding	ZAAC (Journal of Inorganic and General Chemistry) /1.247	63(8)	838-843	2012
92	Mohan N. Patel, Promise A. Dosi, Bhupesh. Bhatt	Synthesis, characterization, antibacterial activity and DNA interaction studies of drug based mixed ligand copper(II) complexes with terpyridines	Medicinal Chemistry Research/ 1.612	21	2723–2733	2012
91	M. N. Patel, B. S. Bhatt, D. S. Gandhi, P. A. Dosi, P. A. Parmar	Spectrophotometric determination of ciprofloxacin by ion pair formation	Journal of Analytical chemistry/ 0.616	67 (5)	655-660	2012

90	M. N. Patel, D. S. Gandhi, P. A. Parmar	DNA interacting and in–vitro antibacterial studies of fluoroquinolone based platinum(II) complexes	Journal of Organometallic Chemistry/ 2.000	701	8-16	2012
89	Mohan N. Patel, Promise A. Dosi, Bhupesh Bhatt	Nucleic acid interaction and antibacterial behaviors of a ternary palladium(II) complexes	Spectrochimic aActa Part A /2.00	86	508-514	2012
88	M. N. Patel, Deepen Gandhi, Pradhuman A. Parmar	DNA interacting and in–vitro antibacterial studies of fluoroquinolone based platinum(II) complexes	Inorganic Chemistry Communications/2.016	15	248-251	2012
87	M. N. Patel, Bhupesh Bhatt, Promise A. Dosi	Spectroscopic study of DNA hydrolysis, DNA intercalative and electrostatic interaction activity exerted by drug based coordination compounds	ZAAC(Journal of Inorganic and General Chemistry) /1.247	638 (01)	152-162	2012
86	Mohan N. Patel, Bhupesh Bhatt, Promise A. Dosi	Thermal, spectral and thermodynamic studies for evaluation of calf thymus DNA interaction activity of some copper(II) complexes	Journal of Thermal Analysis and Calorimetry/ 1.982	107 (1)	55-64	2012
85	M. N. Patel, P. A. Dosi, B. S. Bhatt	Antibacterial and superoxide dismutase activity and DNA interactions of ciprofloxacin-based ternary copper(II) phenanthroline complexes	ZAAC(Journal of Inorganic and General Chemistry) /1.247	637	1602-1611	2011
84	Mohan N. Patel, Promise A. Dosi, Bhupesh Bhatt	DNA interaction, free radical scavenging and *in vitro*-antibacterial activity of drug-based copper(II) complexes	Applied Organometallic Chemistry/ 2.011	25(9)	653-660	2011
83	Mohan N. Patel, Deepen S. Gandhi, Pradhuman A. Parmar	Effect of substituent of terpyridines on the DNA–interaction of polypyridyl ruthenium(II) complexes	Spectrochimic a Acta Part A /2.00	84	243-248	2011

82	Mohan N. Patel, Pradhuman A. Parmar, Deepen Gandhi	Synthesis, characterization and DNA binding and cleavage properties of ruthenium(II) complexes with various polypyridyls	Journal of Enzyme Inhibition and Medicinal Chemistry/ 1.495	26(5)	734-741	2011
81	Mohan Patel, Deepen Gandhi, Pradhuman Parmar	Antibacterial, nuclease and SOD mimic behavior of copper(II) complexes of norfloxacin and phenanthrolines	Journal of Coordination Chemistry/ 1.801	64(7)	1276-1288	2011
80	Mohan Patel, Deepen Gandhi Pradhuman Parmar	Synthesis, characterization, antimicrobial activity, SOD mimic activity and DNA interaction behavior of copper(II) complexes with pefloxacin and phenanthroline derivatives	Applied Organometallic Chemistry/ 2.011	25	348-355	2011
79	Mohan N. Patel, Promise A. Dosi, Bhupesh Bhatt, Vasudev R. Thakkar	Synthesis, characterization, antibacterial activity, SOD mimic and interaction with DNA of drug based copper(II) complexes	SpectroChimicaActa/ 2.00	78	763-770	2011
78	Mohan N. Patel, Sanjay H. Patel, Pramod B. Pansuriya	DNA binding and cleavage by dinuclearnickel(II) complexes with neutral bidentate ligands and ciprofloxacin	Medicinal Chemistry Research/ 1.612	20	1371-1384	2011
77	Mohan N. Patel, Deepen S. Gandhi, Pradhuman A. Parmar	Synthesis, biological aspects and SOD mimic activity of square pyramidal copper(II) complexes with the 3rd generation quinolone drug sparfloxacin and phenanthroline derivatives	Inorganic Chemistry Communications/2.016	14	128-132	2011
76	M. N. Patel Pradhuman Amrutsinh Parmar, Deepen Gandhi Vasudev R. Thakker	Ternary copper(II) complexes of levofloxacin and phenanthroline derivatives: In-vitro antibacterial, DNA interactions and SOD like activity	Journal of Enzyme Inhibition and Medicinal Chemistry/ 1.495 Press	26(3)	359-366	2011

75	Mohan N. Patel, Pradhuman A. Parmar, Deepen Gandhi	Antibacterial, SOD mimic and nuclease activities of copper(II) complexes containing ofloxacin and neutral bidentate ligands	Applied Organometallic Chemistry/ 2.011	25	27-33	2011
74	Mohan N. Patel, Pradhuman A. Parmar, Deepen Gandhi	Third generation fluoroquinolones antibacterial drug based mixed–ligand Cu(II) complexes: Structure, antibacterial activity, superoxide dismutase activity and DNA– interaction approach	Journal of Enzyme Inhibition and Medicinal Chemistry/ 1.495	26(2)	188-197	2011
73	Mohan Patel, Mehul Chhasatia, Bhupesh Bhatt	In vitro bacteriostatic and DNA interaction studies of drug-based mixed-ligand complexes of cobalt(II)	Medicinal Chemistry Research/1.612	20	220-230	2011
72	Mohan N. Patel, Praduman A. Parmar, Deepen Gandhi, Vasudev R. Thakkar	Antimicrobial and nuclease activity of mixed polypyridyl ruthenium(II) complexes	Inorganic Chemistry Communications/2.000	13	1480-1484	2010
71	Mohan N. Patel, Promise A. Dosi, Bhupesh Bhatt	Antibacterial, DNA interaction and superoxide dismutase activity of drug based copper(II) coordination compounds	Polyhedron /1.813	29	3238-3245	2010
70	Mohan N. Patel, Deepn Gandhi, Pradhuman A. Parmar	SOD mimic activity, DNA binding and in-vitro antibacterial studies of drug based copper(II) complexes	Inorganic Chemistry Communications/2.00	13	618-621	2010
69	M. N. Patel, S. H. Patel, M. R. Chhasatia, C. R. Desai	DNA interactions and promotion in antibacterial activities of ciprofloxacin drug due to formationof mixed-ligand complexes of oxovanadium(iv)	Nucleosides, Nucleotides and Nucleic Acids/1.132	29(03)	200-215	2010
68	M. N. Patel, M. R. Chhasatia, P. A. Dosi, H. S. Bariya, V. R. Thakkar	Synthesis, characterization and biological studies of some homodinuclear complexes of zinc with second-generation quinolone drug and neutral bidentate ligands	Polyhedron/ 1.813	29	1918-1924	2010

67	Mohan N. Patel, Pradhuman A. Parmar, Deepen Gandhi	Square pyramidal copper(II) complexes with forth generation fluoroquinolone and neutral bidentate ligand: Structure, antibacterial, SOD mimic and DNA-interaction studies	Bioorganic & Medicinal Chemistry/ 2.903	18	1227-1235	2010
66	Mohan Patel, Mehul Chhasatia, Pradhuman Parmar	Antibacterial and DNA interaction studies of zinc(II) complexes with quinolone family member, ciprofloxacin	European Journal of Medicinal Chemistry/ 3.499	45	439-446	2010
65	Mohan N. Patel, Mehulsinh R. Chhasatia, Deepen Gandhi	Interaction of drug based binuclear mixed-ligand complexes with DNA	Bioorganic& Medicinal Chemistry/ 2.903	17	5648-5655	2009
64	M. N. Patel, M. R. Chhasatia, D. S. Gandhi	DNA-interaction and in vitro antimicrobial studies of some mixed ligand complexes of cobalt(II) with fluoroquinolone antibacterial agent ciprofloxacin and some neutral bidentate ligands	Bioorganic & Medicinal Chemistry Letters/ 2.338	19	2870-2873	2009
63	M. N. Patel, M. R. Chhasatia, S. H. Patel, H. S. Bariya, V. R. Thakkar	DNA cleavage, binding and intercalation studies of drug-based oxovanadium(IV) complexes	Journal of Enzyme Inhibition and Medicinal Chemistry/ 1.495	24(3)	715–721	2009
62	M. N. Patel, S. H. Patel, M. R. Chhasatia, P. A. Parmar	Five-coordinated oxovanadium(IV) complexes derived from amino acids and ciprofloxacin: Synthesis, spectral, antimicrobial, and DNA interaction approach	Bioorganic & Medicinal Chemistry Letters/ 2.454	18	6494–6500	2008
61	M. N. Patel, P. B. Pansuriya, P. A. Parmar, D. S. Gandhi	Synthesis, characterization, thermal and biocidal aspects of drug based metal complexes	Pharmaceutical Chemistry Journal/ 0.320	42(12)	687-692	2008
60	M. N. Patel, P. B. Pansuriya M. R. Chhasatia	Synthesis, spectroscopic, thermal and biological aspects of novel six coordinated dimeric iron(III) mixed-ligand complexes	Applied Organometallic Chemistry/ 2.011	22	415-426	2008

59	C. K. Modi M. N. Patel	Synthetic, spectroscopic and thermal aspects of some heterochelates	Journal of Thermal Analysis and Calorimetry/ 1.982	94(1)	247-255	2008
58	P. B. Pansuriya, M. R. Chhasatia, S. H. Patel, M. N. Patel	Synthesis, characterization, in-vitro biocidal and nuclease activity of Cu(II), Fe(II) and Fe(III) complexes	Polish J. Chem/ 0.444	82	1527–1539	2008
57	Pramod B. Pansuriya, Mohan N. Patel, Mehul R. Chhasatia, Pinakin Dhandhukia VasudevThakkar	Synthesis, characterization, in-vitro biocidal and nuclease activity of some coordination compounds	Journal of Coordination Chemistry/ 1.801	61(20)	3336–3349	2008
56	S. H. Patel, P. B. Pansuriya, M. R. Chhasatia, H. M. Parekh M. N. Patel	Coordination chain polymeric assemblies of trivalent lanthanides with multidentateschiff base. Synthetic, spectral investigation and thermal aspects.	Journal of Thermal Analysis and Calorimetry/ 1.982	91(2)	413-418	2008
55	Pramod B. Pansuriya M. N. Patel	Iron(III) complexes: Preparation, characterization, antibacterial activity and DNA-binding	Journal of Enzyme Inhibition and Medicinal Chemistry 1.495	23(2)	230-239	2008
54	Pramod B. Pansuriya Mohan N. Patel	Synthesis, characterization and biological aspects of novel five-coordinated dimeric-Cu(II) systems	Journal of Enzyme Inhibition and Medicinal Chemistry 1.495	23(1)	108–119	2008
53	Pramod B. Pansuriya Mohan N. Patel	DNA-binding, antibacterial and spectral investigations of drug-Fe(II) complexes	Applied Organometallic Chemistry/ 2.011	21	926-934	2007

52	Pramod B. Pansuriya Mohan N. Patel	Synthesis, spectral, thermal, DNA interaction and antimicrobial properties of novel Cu(II) heterochelates	Applied Organometallic Chemistry/ 2.011	21	739-749	2007
51	Pramod B. Pansuriya, M. N. Patel	Dicoumarol complexes of Cu(II), Fe(II) and Fe(III): Preparation, characterization, in-vitro antibacterial and DNA binding activity	Applied Organometallic Chemistry/ 2.011	21	719-727	2007
50	Pramod B. Pansuriya, Pinakin Dhandhukia, VasudevThakkar Mohan N. Patel	Synthesis, spectroscopic and biological aspects of iron(II) complexes	Journal of Enzyme Inhibition and Medicinal Chemistry/ 1.495	22(4)	477–487	2007
49	Sanjay H. Patel, Hitesh Parekh, Pragnesh K. Panchal Mohan N. Patel	Polymeric coordination compounds derived from transition metal (II) with tetradentate Schiff bases: synthetic, spectroscopic, magnetic and thermal approach	Journal of macromolecular Science Part A/ 0.890	44	599-603	2007
48	N. H. Patel, H. M. Parekh M. N. Patel	Synthesis, physicochemical characteristic and biocidal studies of some transition metal mixed-ligand complexes with bidentate (NO & NN) Schiff bases	Pharmaceutical Chemistry Journal/ 0.320	41(2)	19-22	2007
47	P. K. Panchal, P. B. Pansuriya, H. M. Parekh, M. R. Chhasatia M. N. Patel	Coordination polymeric assemblies of some d-block elements with Schiff bases and its characterization	Journal of macromolecular Science Part A/ 0.890	44	373-378	2007
46	H. M. Parekh M. N. Patel	Mode of antifungal activity and Synthesis of mixed-ligand complexes	Pharmaceutical Chemistry Journal/ 0.320	40(12)	18-21	2006
45	C. K. Modi, S. H. Patel M. N. Patel	Transition metal complexes with uninegativebidentate Schiff base. Synthetic, thermal, spectroscopic and coordination aspects	Journal of Thermal Analysis and Calorimetry/ 1.982	87(2)	441-448	2007

44	P. K. Panchal M. N. Patel	Synthesis, spectroscopy, and antibacterial activity of some transition metal complexes with tridentate(ONS) and bidentate (NN) donor Schiff bases	Pharmaceutical Chemistry Journal/ 0.320	40(10)	24-27	2006
43	H. M. Parekh, P. K. Panchal M. N. Patel	Synthesis and antifungal activity of oxovanadium(IV) complexes with Schiff bases	Pharmaceutical Chemistry Journal/ 0.320	40(9)	494-497	2006
42	H. M. Parekh, P. K. Panchal M. N. Patel	In-vitro fungitoxic activity of some Schiff bases and their oxovanadium(IV) complexes	Toxicological and Environmental Chemistry/ 0.208	88(4)	579-586	2006
41	H. M. Parekh, P. K. Panchal M. N. Patel	Transition metal(II) ions with dinegativetetradentate Schiff base	Journal of Thermal Analysis and Calorimetry/ 1.982	86(3)	803-807	2006
40	Pragnesh K. Panchal, Pramod B. Pansuriya M. N. Patel	In-vitro biological evaluation of ONS and NS donor Schiff bases and their metal complexes	Journal of Enzyme Inhibition and Medicinal Chemistry/ 1.495	21(4)	453-458	2006
39	N. H. Patel, P. K. Panchal, P. B. Pansuriya M. N. Patel	Synthesis and spectral investigation of La(III), Ce(III), Pr(III), Nd(III) and Sm(III) coordination polymeric assemblies.	Journal of Macromolecular Science, Part A: Pure and Applied Chemistry/ 0.890	43(7)	1083-1090	2006
38	H. M. Parekh M. N. Patel	Preparation of Schiff base complexes of Mn(II), Co(II), Ni(II), Cu(II), Zn(II) and Cd(II) and their spectroscopic, magnetic, thermal and antifungal studies	Russian Journal of Coordination Chemistry 0.661	32(6)	431-436	2006
37	P. K. Panchal, H. M. Parekh, P. B. Pansuriya M. N. Patel	Synthesis and physicochemical study of 3d metal coordination polymers with dinegativetetradentate (NSNS) Schiff base	Polish Journal of Chemistry/ 0.444	80	989-992	2006

36	P. K. Panchal, P. B. Pansuriya M. N. Patel	Study on "Increase in toxicity of Schiff bases on microorganism on chelation with metal"	Toxicological and Environmental Chemistry/ 0.208	88(1)	57-64	2006
35	Pragnesh K. Panchal, Hitesh Parekh, Pramod B. Pansuriya M. N. Patel	Bactericidal activity of different oxovanadium(IV) complexes with Schiff bases and application of chelation theory	Journal Enzyme Inhibition and Medicinal Chemistry/ 1.495	21(2)	203-209	2006
34	Hitesh M. Parekh, Saurabh R. Mehta and M. N. Patel	Synthesis, structural characterization and antifungal activity of the Schiff bases and their transition metal mixed-ligand complexes	Russian Journal of Inorganic Chemistry/ 0.449	51(1)	01-06	2006
33	H. M. Parekh, P. B. Pansuriya M. N. Patel	Characterization and antifungal study of genuine oxovanadium(IV) mixed-ligand complexes with Schiff bases	Polish Journal of Chemistry/ 0.444	79	1843-1851	2005
32	Hitesh M. Parekh and Mohan N. Patel	Synthesis, structural elucidation, electro-chemical behaviour and fungitoxic activity of transition metal(II) mixed-ligand complexes with some Schiff bases	Toxicological and Environmental Chemistry/ 0.208	87(4)	449-461	2005
31	Pragnesh K. Panchal Mohan N. Patel	Toxic effect of transition metal complexes on S. typhi, E. coli and S.marcescens.	Toxicological and Environmental Chemistry/ 0.208	87(3)	407-414	2005
30	Pragnesh K. Panchal, Hitesh M. Parekh, and Mohan N. Patel,	Preparation, characterization and toxic activity of oxovanadium(IV) mixed-ligand complexes	Toxicological and Environmental Chemistry/ 0.208	87(3)	313-320	2005
29	N. H. Patel, P. K. Panchal M. N. Patel	Synthesis and characterization of coordination polymers of trivalent lanthanides with a Schiff base	Synth. React. Inorg. Met-Org. and Nano-Metal Chem./ 0.784	35	107-110	2005

28	Nilesh H. Patel, Hitesh M. Parekh and Mohan N. Patel	Synthesis, characterization and biological evaluation of manganese(II), cobalt(II), nickel(II), copper(II) and cadmium(II) complexes with monobasic (NO) and neutral (NN) Schiff bases	Transition Metal Chemistry/ 1.184	30	13-17	2005
27	Pragnesh K. Panchal M. N. Patel	Synthesis, structural characterization, and antibacterial studies of some mixed-ligand first row d- transition metal complexes	Synth. React. Inorg. Met-Org. Chem./ 0.784	34(7)	1277-1289	2004
26	Pragnesh K. Panchal, D. H. Patel M. N. Patel	Preparation, thermal, spectroscopic, and antibacterial studies of some mixed-ligand complexes.	Synth. React. Inorg. Met-Org. Chem./ 0.784	34(7)	1223-1235	2004
25	M. N. Patel, N. H. Patel, P. K. Panchal D. H. Patel	Synthesis, spectral, and biocidal studies of Mn(II), Co(II), Ni(II), Cu(II), and Zn(II) mixed-ligand complexes	Synth. React. Inorg. Met-Org. Chem./ 0.784	34(5)	873-882	2004
24	Prakash P. Dholakiya M. N. Patel	Metal complexes: Preparation, magnetic, spectral and biocidal studies of some mixed-ligand complexes with Schiff bases containing NO and NN donor atoms	Synth. React. Inorg. Met-Org. Chem./ 0.784	34(3)	553-563	2004
23	Prakash P. Dholakiya M. N. Patel	Preparation, characterization and antimicrobial activities of some mixed-ligand complexes of Mn(II), Co(II), Ni(II), Cu(II), and Cd(II) with monobasic bidentate (ON) Schiff base and neutral bidentate (NN) ligands.	Synth. React. Inorg. Met-Org. Chem./ 0.784	34(2)	383-395	2004
22	Prakash P. Dholakiya M. N. Patel	Studies on some transition metal complexes with bidentate Schiff bases	Synth. React. Inorg. Met-Org. Chem./ 0.784	34(2)	371-382	2004
21	Prakash P. Dholakiya M. N. Patel	Preparation, spectroscopic and biocidal studies of some transition metal complexes with bidentate Schiff bases	Journal of the Indian Council of Chemists	20(2)	21-25	2003

20	M. N. Patel, N. H. Patel, K. N. Patel, P. P. Dholakiya D. H. Patel	Synthesis, characterization, and biocidal studies of some transition metal complexes containing bidentate monobasic hydroxyaldehydes and a neutral bidentate Schiff base	Synth. React. Inorg. Met-Org. Chem./ 0.784	33(01)	51-62	2003
19	N. H. Patel, K. N. Patel M. N. Patel	Synthesis and characterization of coordination chain polymers of some transition metals with Schiff base	Synth. React. Inorg. Met-org. Chem/0.784	32(10)	1879-1887	2002
18.	P. P. Dholakiya M. N. Patel	Preparation, structural properties and biocidal studies of heterochelates of some transition metal with Schiff bases and neutral heterocycle	J. Indian Council of Chemists	19(01)	41-45	2002
17	Prakash P. Dholakiya M. N. Patel	Preparation, magnetic, spectral and biocidal studies of some transition metal complexes with 3,5-dibromosalicylideneaniline and neutral bidentate ligands.	Synth. React. Inorg. Met-Org. Chem./ 0.784	32(04)	819-829	2002
16	Prakash P. Dholakiya M. N. Patel	Synthesis, spectroscopic studies, and antimicrobial activity of Mn(II), Co(II), Ni(II), Cu(II) and Cd(II) complexes with bidentate Schiff bases and 2,2'-bipyridylamine	Synth. React. Inorg. Met-Org. Chem./ 0.784	32(04)	753-762	2002
15	Nilesh H. Patel, K. M. Patel, K. N. Patel M. N. Patel	Coordination chain polymers of some transition metals with Schiff base	Synth. React. Inorg. Met-Org. Chem./ 0.784	31(06)	1031-1039	2001
14	Ketan M. Patel, K. N. Patel, N. H. Patel M. N. Patel	Synthesis, characterization, and antimicrobial activities of some transition metal complexes with a tridentate dibasic Schiff base and bidentate 2,2'-bipyridylamine	Synth. React. Inorg. Met-Org. Chem./ 0.784	31(02)	239-246	2001
13	Ketan M. Patel, K. N. Patel, N. H. Patel M. N. Patel	Synthesis, characterization and antimicrobial activities of some transition metal complexes with the Schiff base of 5-bromosalicylaldehyde and o-amino phenol and 2, 2'-bipyridylamine	Synth. React. Inorg. Met-Org. Chem./ 0.784	30(10)	1965-1973	2000

12	Ketan M. Patel, N. H. Patel, K. N. Patel M. N. Patel	Synthesis, structural characterization and biocidal studies of manganese(II), iron(II), cobalt(II), nickel(II), copper(II), zinc(II) and cadmium(II) complexes with tridentate Schiff bases and 2,2'-bipyridylamine	Synth. React. Inorg. Met-Org. Chem./ 0.784	30(10)	1953-1963	2000
11	Ketan M. Patel, N. H. Patel, K. N. Patel M. N. Patel.	Synthesis, structural characterization and biocidal studies of Cu(II), Ni(II), Zn(II), Co(II), Fe(II), Mn(II) and Cd(II) complexes derived from Schiff bases (ONO) and bidentate (NN) heterocycle	Journal of the Indian Council of Chemists	17(1)	19-24	2000
10	K. N. Patel, K. M. Patel, N. H. Patel, C. R. Patel, M. N. Patel	Synthesis, characterization and antimicrobial activities of some mixed-ligand complexes	Synth. React. Inorg. Met-Org. Chem./ 0.784	30(8)	1617-1627	2000
9	K. N. Patel, N. H. Patel, K. M. Patel, M. N. Patel	Synthesis and characterization of cobalt(II), nickel(II), copper(II), nickel(II), zinc(II) mixed-ligand complexes	Synth. React. Inorg. Met-Org. Chem./ 0.784	30(5)	921-930	2000
8	K. N. Patel, N. H. Patel, K. M. Patel, M. N. Patel I. L. Kothari,	Synthesis, characterization and antimicrobial activities of some transition metal complexes containing two bidentate (O-O) monobasic hydroxyaldehydes and 2,2'-bipyridylamine	Synth. React. Inorg. Met-Org. Chem./ 0.784	30(5)	829-841	2000
7	K. N. Patel, N. H. Patel, K. M. Patel M. N. Patel	Mixed-Ligand complexes of some transition metal with bidentatebifunctional Schiff bases and 2, 2'-bipyridylamine	Journal of the Indian Council of Chemists	16(1)	17-20	1999
6	K. N. Patel, K. M. Patel, N. H. Patel M. N. Patel	Synthesis, characterization and antimicrobial activity of some transition metal complexes with bidentate Schiff bases and bidentate heterocycle	Journal of the Indian Council of Chemists	16(1)	13-16	1999
5	N. M. Patel, M. N. Patel, J. D. Joshi	Equilibrium studies on binary complexes of trivalent lanthanones with amino acids	Journal of Indian Chemical Society/0.382	73	69 – 70	1996

4	Mohan N. Patel, J. D. Joshi	Equilibrium studies on ternary heterochelates : zinc (II) and cadmium (II) + 2,2'-bipyridyl + amino acids and its comparison with binary complexes.	Prajna, Journal of Sardar Patel University	4	27-30	1994
3	M. R. Patel, Nitin Patel, Mohan Patel, J. D. Joshi	Studies on biologically relevant binary and ternary metal chelates. Ternary copper (II), nickel(II), zinc(II), and cadmium(II) chelates with 2,2'-bipyridylamine and bidentate amino acids and tridentate aspartic acid.	Journal of Indian Chemical Society/0.382	70	569 – 572	1993
2	M. N. Patel, J. D. Joshi.	Equilibrium study on complex formation of lanthanum(III) and cerium(III) with some amino acids by potentiometric technique and determination of their thermodynamic parameters at different temperatures	Prajna, Journal of Sardar Patel University	3	41 – 44	1993
1	Ms. Mercy Philip, M. N. Patel, M. P. Peerzada J. D. Joshi	Stability constants of ternary metal(II) / 2,2'-bipyridylamine / amino acidate complexes of nickel, zinc and cadmium	Journal of Indian Chemical Society/0.382	65	871-872	1988

List of Minor/ Major projects carried out

No.	Funding Agency	Title/Time Period	Amount in Rs.
1	UGC	"UGC BSR ONE TIME GRANTS" (2014-2015)	7,00,000/-
2	UGC-Major Scheme	Evolution of metal based drug as SOD mimic and artificial metallonucleases (2011-2014) (Completed).	10,67,800/-
3	UGC-Major Scheme	DNA binding interactions and promotion in antimicrobial activity of drugs of fluoroquinolone family due to formation of mixed-ligand complexes. 3 Year (2007-2010), (Completed).	7,20,233/-
4	METRI-TECH	Preparation and characterization of chromate salts of chrome ore. 1 Year (2007-2008), Under Investigation. (Completed)	61,500/-
5	SHREEJI CHEMICALS	Extraction of Rhodium from the effluent produced by decorative article manufacturing industry. 6 Months (2007- 2008). (Completed)	1,54,000/-

6	UGC-Minor Scheme	Synthesis, characterization and antimicrobial activitiesofsomeheterochelates.1Year(2001-2002). (Completed)	14,000/-
7	UGC-Minor Scheme	Studies on mixed-ligand complexes. 1 Year (1998-1999). (Completed)	15,000/-
8	UGC-Minor Scheme	Synthesis & characterization of some transition metal mixed chelates containing two bidentate monobasic hydroxyaldehydes and bidentate (NN) heterocycle. 1 Year (1995-1996). (Completed)	15,000/-

Honors

- Hari Ohm Ashram PreritBhaikaka Inter-University Smarak Trust Prize for best research paper in subject of Coordination Chemistry for the year, 2006-2007.
- Title: In-vitro biological evaluation of some ONS and NS donor Schiff base and their metal complexes.
- Journal of Enzyme Inhibition and Medicinal Chemistry, 2006; 21(4) 453-458.
- Hari Ohm Ashram PreritBhaikaka Inter-University Smarak Trust Prize for best research paper in subject of Micro-biology and Bio-Chemistry for the year, 2006-2007
- Title: Bactericidal activity of different oxovanadium(IV) complexes with Schiff bases and application of chelation theory.
- Journal of Enzyme Inhibition and Medicinal Chemistry, 2006; 22(2) 203-209.
- Hari Ohm Ashram PreritBhaikaka Inter-University Smarak Trust Prize for best research paper in subject of Coordination Chemistry for the year, 2008-2009.
- Title: Five-coordinated oxovanadium(IV) complexes derived from amino acids and ciprofloxacin: Synthesis, spectral, antimicrobial, and DNA interaction approach.
- Bioorganic and Medicinal Chemistry letters, 18, 2008, 6494-6500