

## DEPARTMENT OF CHEMISTRY

- (I) **NAME** : Department of Chemistry
- (II) **Year of Establishment** : 1994
- (III) (a) **Vision:** Students' excel in Chemical Sciences  
 (b) **Mission:** Better Human Resource for our country  
 (c) **Objective of Department:** Placement for the students in higher education Institutions R & D, Chemical Industries, etc.  
 (As resolved by Staff Council)
- (IV) **Course (s) offered in the department**

Course	Sanctioned intake		Present strength	
	1.1.18 -30.6.18	1.7.18-30.6.2019	1.1.18 -30.6.18	1.7.18-30.6.2019
Ph.D.	8-Professor & Associate Professor each 05-Assistant Professor	8-Professor & Associate Professor each 05-Assistant Professor	39	47
P.G.	57	56+2	53	55+2
U.G.	38	39	32	38
Any other	--		---	

- (V) **Faculty detail**  
 (Attach a list of the Faculty along with their qualifications and Experiences)

Professor		Associate Professor		Assistant Professor		Contract/ Guest Faculty	
Sanctioned	Filled	Sanctioned	filled	Sanctioned	Filled	1.1.18 -30.6.18	1.7.18-30.6.2019
01	NIL 06(under CAS)	04	03	08	07(03 promoted under CAS)	04 (on Contract) 02 (Guest Faculty)	10(on contract) 01 (Guest Faculty)

### Regular Faculty details

Name of Teacher	Designation	Qualification	Experience (in years)	Remarks
Dr. R. K. Gupta	Professor	M.Sc., Ph.D.	28	
Dr. R. Malhotra	Professor	M.Sc., Ph.D.	28	
Dr. J.B. Dahiya	Professor	M.Sc., M.Phil., Ph.D.	26	
Dr. Devinder Kumar	Professor	M.Sc., M.Phil., Ph.D.	24	
Dr. (Mrs.) Sonika	Professor	M.Sc., M.Phil., Ph.D.	20	
Dr. Satbir Mor	Professor	M.Sc., M.Phil., Ph.D.	25	
Dr. Jai Devi	Associate Professor	M.Sc., Ph.D.	13	
Dr. C.P. Kaushik	Associate Professor	M.Sc., M.Phil., Ph.D.	13	
Dr. Kashmiri Lal	Assistant Professor	M.Sc., Ph.D.	13	
Dr. Vikas Verma	Assistant Professor	M.Sc., Ph.D.	13	
Dr. Jyoti	Assistant Professor	M.Sc., Ph.D.	01	

### Contract/ Guest Faculty details

Period 1.1.18 -30.6.18

Name of Teacher	Designation	Qualification	Experience (in years)	Remarks
Dr. (Mrs.) Geeta Rani	Assistant Professor	Ph.D.	6yrs. 10Months	--
Dr. Pawan Siwach	Assistant Professor	Ph.D.	5 yrs. 7 Months	
Dr. (Mrs.) Malvika Kadian	Assistant Professor	Ph.D.	3yrs. 8Months	

Mr. Lokesh Kumar	Assistant Professor	NET, doing Ph.D.	2yrs. 5 Months	Relieved w.e.f. 02.2.2018
Dr. (Mrs.) Manjeet	Guest Faculty	Ph.D.	11 yrs. (approx.)	
Ms. Anjani	Guest Faculty	M.Sc.	3 Months (approx.)	Relieved w.e.f. 30.4.2018
Mr. Vinod Sharma	Research Scholar/Guest Faculty	Doing Ph.D.	6 Months(approx.)	Relieved w.e.f. 30.4.2018

**Period 1.7.18-30.6.2019**

Name of Teacher	Designation	Qualification	Experience (in years)	Remarks
Dr. (Mrs.) Geeta Rani	Assistant Professor	Ph.D.	6yrs. 10Months	Resigned w.e.f. 21.02.2019 (FN)
Dr. Pawan Siwach	Assistant Professor	Ph.D.	5 yrs. 7 Months	
Dr. (Mrs.) Malvika Kadian	Assistant Professor	Ph.D.	3yrs. 8Months	Resigned w.e.f. 12.07.2018
Dr. (Mrs.) Manjeet	Guest Faculty	Ph.D.	11 yrs.(approx.)	Resigned w.e.f. 21.02.2019 (FN)
Mr. Lokesh Kumar	Assistant Professor	NET, doing Ph.D.	2yrs. 5 Months	Re-Joined on 03.07.2018
Dr. Umed Singh	Assistant Professor	Ph.D.	1 yr.	
Dr. Sanchita	Assistant Professor	Ph.D.	1 yr.	
Dr. Raj Laxmi	Assistant Professor	Ph.D.	11 Months	
Ms. Kanchan	Assistant Professor	M.Sc.	1 yr.	
Ms. Seema	Assistant Professor	M.Sc.	1 yr.	
Mr. Naresh Kumar	Assistant Professor	M.Sc.	6 Months (approx.)	Resigned w.e.f. 01.01.2019

**(VI) Office staff detail:**

Title of Position	Sanctioned strength	In position strength
Store Keeper	1	Nil
Technical Assistant G-II	1	Nil
Assistant-cum-DEO	Nil	Nil
Steno-typist	1	1
Clerk-cum-JDEO	1	1+1 (on contract)
Lab Attendant	5	4
Peon	1	1(on contract)
Lab Technician	Nil	2

**(VII) a) Students detail in respect of M.Sc., M.Tech., M.Pharm., Master of Physiotherapy, M.Com. and MBA Courses**

Period 1.1.18 -30.6.18

1 <sup>st</sup> Year		Final Year	
Sanctioned Intake	filled	Sanctioned Intake	Filled
56	55+2*	56	53

\* Foreign students

Course	Sancti- oned intake	Total	Present strength							Pass in Final year	Re- appear
			Male	Female	HOG	Outside State	SC	BC	Minor- ity		
M.Sc. Chemistry: 1 <sup>st</sup> year	56	53	11	42	32	--	08	13	--	43 (Session 2016-18)	9
2 <sup>nd</sup> year	56	53	12	41	26	--	07	20	--		

Period 1.7.18-30.6.2019

1 <sup>st</sup> Year		Final Year	
<i>Sanctioned Intake</i>	<i>filled</i>	<i>Sanctioned Intake</i>	<i>Filled</i>
56	55+2	56	53

Course	Sancti- oned intake	Total	Present strength							Pass in Final year	Re- appear
			Male	Female	HOG	Outside State	SC	BC	Minor- ity		
M.Sc. Chemistry: 1 <sup>st</sup> year	56	55+2	11	46	25	--	09	21	--	39 (Session 2017-19)	13
2 <sup>nd</sup> year	56	52	10	42	32	--	07	13	--		

(b) Students detail in respect of MCA, Dual Degree B.Sc. (Hons.)-M.Sc. Course:  
Period 1.1.18 -30.6.18

1 <sup>st</sup> Year		2 <sup>nd</sup> Year		3 <sup>rd</sup> Year	
<i>Sanctioned Intake</i>	<i>Filled</i>	<i>Sanctioned Intake</i>	<i>Filled</i>	<i>Sanctioned Intake</i>	<i>Filled</i>
38	37	34	26	--	--

Course	Sancti- oned intake	Total	Present strength							Pass in Final year	Fail
			Male	Female	HOG	Outside State	SC	BC	Minor- ity		
Dual Degree B.Sc. (Hons.)- M.Sc. Course: 1 <sup>st</sup> year	38	32	11	21	16	--	6	10	--	21	3
2 <sup>nd</sup> year	34	26	12	14	12	--	05	09	--	--	--

Period 1.7.18-30.6.2019

1 <sup>st</sup> Year		2 <sup>nd</sup> Year		3 <sup>rd</sup> Year	
<i>Sanctioned Intake</i>	<i>Filled</i>	<i>Sanctioned Intake</i>	<i>Filled</i>	<i>Sanctioned Intake</i>	<i>Filled</i>
39	34	38	33	34	24

Course : Dual Degree B.Sc. (Hons.)- M.Sc. Chemistry	Sanctioned intake	Total	Present strength							Pass in Final year	Fail	
			Male	Female	HOG	Outside State	SC	BC	Minority			
1 <sup>st</sup> year	39	34	15	19	18			11	5	--	--	--
2 <sup>nd</sup> year	38	33	11	22						--	--	--
3 <sup>rd</sup> year	34	24	10	14	11			5	8	--	21 (Session 2016-19)	3 (Re- app ear)

(c) Students detail in respect of B.Tech , B.Pharm. and B.P.Th. Programmes : NA

1 <sup>st</sup> year		2 <sup>nd</sup> year		3 <sup>rd</sup> year		4 <sup>th</sup> year	
<i>Sanctioned Intake</i>	<i>filled</i>	<i>Sanctioned intake</i>	<i>filled</i>	<i>Sanctioned intake</i>	<i>filled</i>	<i>Sanctioned intake</i>	<i>filled</i>

Course	Sanctioned intake	Total	Present strength							Pass in Final year	Fail	
			Male	Female	HOG	Outside State	SC	BC	Minority			

(d) Detail of Foreign Students if any, admitted in the Department:

Sr. No.	Name of Course	No. of students Admitted	Name of Country
1.	M.Sc. Chemistry	02	Afghanistan

(VIII) Research Scholars:

Total no of Ph.D. students		Registered during the year		Thesis completed during the year	
1.1.18 - 30.6.18	1.7.18- 30.6.19	1.1.18 -30.6.18	1.7.18-30.6.19	1.1.18 - 30.6.18	1.7.18- 30.6.19
34	32	03	02	<b>02</b>	<b>03</b>
06 scholars in Pre-Ph.D. course	08 scholars in Pre-Ph.D course		03 scholars are in process of registration		

**Details of Students registered for Ph.D. programme:**

Name of Student	Regn. No.	Topics of Research	Name of Supervisor
Ms. Jyoti	180050090001	1,4-Disubstituted 1,2,3-triazoles : Synthesis and biological evaluation	Dr. C.P. Kaushik
Ms. Sushila	180050090002	Synthesis, characterization and biological activities of organotin(IV) complexes	Dr. (Mrs.) Jai Devi
Ms. Manisha	180050090003	Click synthesis of disubstituted 1,2,3-triazoles	Dr. C.P. Kaushik
Ms. Mohini	180050090004	Synthesis and biological studies of nitrogen/sulphur containing heterocyclic compounds	Prof. Satbir Mor
Mr. Yogesh	180050090005	Synthesis and biological studies of Schiff bases and their transition metal complexes	Prof. (Mrs.) Sonika

**(IX) Sponsored Research/ Consultancy Project:**

Title of the Project	Name of the Investigator(S)	Project in process	Awarded during the current year	Completed during the current year	Nature: Research/ Consultancy	Amount of Project
Synthesis and Biological Evaluation of Schiff Base Derived Transition Metal Complexes	Dr. Jai Devi	In Progress	June 2017 by DST PURSE	-----	Research	1,00,000/-
Diorganotin complexes derived from Thiazole containing Schiff base	Dr. Jai Devi	Completed	Dec 2018	Mar 2019	Research	101000/-
Synthesis and characterization of disubstituted 1,2,3-triazoles bearing sulfonamide moiety	Dr. C.P. Kaushik	In Progress	June 2017 by DST PURSE	-----	Research	1,20,000/-
Synthesis of ether-linked disubstituted 1,2,3-triazoles using click chemistry	Dr. C.P. Kaushik	Completed	-----	March 2018	Research	1,00,000/-
Design, synthesis and biological evaluation of some Schiff base-1,2,3-triazole hybrids	Dr. Kashmiri Lal	In Progress	Yes	-----	Research	1,60,000/-
Synthesis and Biological evaluation of Imidazole	Dr. Vikas Verma	In Progress	Yes	-----	Research	1,60,000/-
Synthesis of some benzimidazole compounds	Dr. Vikas Verma	In Progress	Yes	-----	Research	1,10,000/-
Synthesis and ion binding studies of 1,2,3-triazoles	Dr. Kashmiri Lal	--	--	completed	Research	1,01,000/-
TOTAL						9,75,000/-

**(X) Number of Publications of Faculty (in Total): 32**

Books	Research papers		Research paper		Other Articles
	International (Foreign)	National (Indian)	Refereed	Non refereed	
NIL	29	03	32	Nil	--

**(XI) Teacher/ Faculty wise detail of publication during the period:****a) Books/ Book Chapter/ Monograph: Nil**

Type of			Authors	Title	Year of publication	Publisher
Books	Book Chapter	Monograph				

**b) Papers/ Articles in Journals**

Authors	Year	Title of paper	Name of journal	Vol . & No.	Pages	Publishers	Impact Factor Thoms on Reuter
K Lal, P Yadav, A Kumar, A Kumar, AK Paul	2018	Design, synthesis, characterization, antimicrobial evaluation and molecular modeling studies of some dehydroacetic acid-chalcone-1, 2, 3-triazole hybrids	Bioorganic Chemistry	77	236-244	Elsevier	3.9
P Yadav, K Lal, L Kumar, A Kumar, AK Paul, R Kumar	2018	Synthesis, crystal structure and antimicrobial potential of some fluorinated chalcone-1, 2, 3-triazole conjugates	European Journal of Medicinal chemistry	155	263-274	Elsevier	4.8
K Lal, L Kumar, A Kumar, A Kumar,	2018	Oxazolone–1, 2, 3-Triazole Hybrids: Design, Synthesis and Antimicrobial Evaluation	Current Topics in Medicinal Chemistry	17	1506-1513	Bentham	3.442
Kashmiri Lal, Pinki Yadav	2018	Recent Advancements In 1, 4-Disubstituted 1H-1,2,3-Triazoles As Potential Anticancer Agents	Anticancer Agents in Medicinal Chemistry	18	21-37	Bentham	3.3
J Saini, V K Garg, R K Gupta	2018	Removal of Methylene Blue from aqueous solution by Fe <sub>3</sub> O <sub>4</sub> @ Ag/SiO <sub>2</sub> nanospheres: Synthesis, characterization and adsorption performance	Journal of Molecular Liquids	250	413-422	Elsevier	4.56
C P Kaushik, Ashima Pahwa	2018	Convenient synthesis, antimalarial and antimicrobial potential of thioetheral 1,4-disubstituted 1,2,3-triazoles with ester functionality	Medicinal Chemistry Research	27	458–469	Springer	1.72
C P Kaushik, A Pahwa, D Kumar, A kumar, D Singh, K Kumar and Raj Luxmi	2018	Synthesis and antimicrobial evaluation of (1-(2-(benzyloxy)-2-oxoethyl)-1H-1,2,3-triazol-4-yl)methyl benzoate analogues	Journal of Heterocyclic Chemistry	55	1720-1728	Wiley	1.24
Jai Devi, Sushila Pachwania	2018	Recent advancements in DNA interaction studies of organotin (IV) complexes	Inorganic Chemistry Communications	91	44–62	Science Direct	2.5
Jai Devi, Jyoti Yadav	2018	Recent advancements in organotin (IV) complexes as potential anticancer agents	Anti-Cancer Agent in Medicinal Chemistry	18	335-353	Bentham Science	2.6
Jai Devi, Manju Yadav, Anil Kumar, A Kumar	2018	Synthesis, characterization, biological activity, and QSAR studies of transition metal complexes derived from piperonylamine Schiff bases	Chemical Papers	72	2479–2502	Springer	1.2

Shubha and J. B. Dahiya	2018	Flame retardant coating on cotton fabric with phosphorus-containing polymeric film by admicellar polymerization	Indian Journal of Fibre & Textile Research	43	457-463	NISCAIR	0.511
J. Saini, V. K. Garg, R. K. Gupta	2018	Green synthesized SiO <sub>2</sub> @OPW nanocomposites for enhanced Lead (II) removal from water	Arabian Journal of Chemistry	13	2496-2507	Elsevier	3.298
Monika, Vikas Verma, Devinder Kumar, Ashwani Kumar	2018	1 <i>H</i> -Naphtho[1,2- <i>e</i> ][1,3]oxazines: Synthesis, Nuclear Magnetic Resonance, Antimicrobial and Docking Study	Indian Journal of Heterocyclic Chemistry	28	143-152	-Connect Journal	0.068
G Singh, K Chowdhary, P Satija, A Singh, B Singh, K Singh, Cristo´ bal Espinosa, M. Angeles Esteban, R Sehgal and Vikas Verma	2018	Synthesis and Immobilization of Benzothiazole-Appended Triazole-Silane: Biological Evaluation and Molecular Docking Approach	Chemistry Select	3	1609–1614	Wiley-VCH	1.716
G Singh, P Kalra, A Arora, A Singh, G Sharma, Sanchita, I K Maurya, Sanjay Dutta, P Munshi, and Vikas Verma	2018	Acetylenic Indole-Encapsulated Schiff Bases: Synthesis, In Silico Studies as Potent Antimicrobial Agents, Cytotoxic Evaluation and Synergistic Effects	Chemistry Select	3	2366–2375	Wiley-VCH	1.716
Gurjaspreet Singh, Geetika Sharma, Pooja Kalra, Sanchita, Vikas Verma, V. Ferretti	2018	Synthesis and structural characterization of first adenine containing organosilicon nucleobase for the recognition of Cu <sup>2+</sup> ion	Inorganica Chimica Acta	479 74–82	74–82	Elsevier	2.046
G Singh, Pooja Kalra, A Arora, Sanchita, G Sharma, Akshpreet Singh, Vikas Verma.	2018	Design and synthesis of indole triazole pendant siloxy framework as a chemo sensor for sensing of Cu <sup>2+</sup> and Ni <sup>2+</sup> : A comparison between traditional and microwave method	Inorganica Chimica Acta	473	186–193	Elsevier	2.046
Gurjaspreet Singh, Sanchita, Sunita Rani, Geetika Sharma, Pooja Kalra, Narinder Singh, Vikas Verma	2018	Coumarin-derived Organosilatrane: Functionalization at magnetic silica surface and selective recognition of Hg <sup>2+</sup> ion	Sensors and Actuators B: Chemical	266	861–872	Elsevier	6.39
G Singh, J Singh, Jandeep	2018	Schiff Based Silatranyl Compounds Exhibiting Fe <sup>3+</sup>	Silicon	10	2817–2827	Springer	1.21

Singh, Akshpreet Singh, K Gupta, S Chhibber, Vikas Verma		and Mn <sup>2+</sup> Fluorescence Dual Ion Sensing and Antibacterial Activity					
Sonal Deswal, Ram Kumar Tittal, Pinki Yadav, Kashmiri Lal, Ghule Vikas D.	2019	Cellulose-Supported CuI-Nanoparticles-Mediated Green Synthesis of Trifluoromethylbenzoate-Linked Triazoles for Pharmacological & DFT study	Chemistry Select	4	759-764	Wiley VCH	1.71
N Kumar, RK Tittal, P Yadav, K Lal, GV Dasharath, A Kumar	2019	Synthesis, Molecular Docking and DFT Studies on Biologically Active 1, 4-Disubstituted-1, 2, 3-Triazoles-Semicarbazone Hybrid Molecules	New Journal of Chemistry	43	8052-58	Royal Society of Chemistry	3.2
C. P. Kaushik, Raj Luxmi, Mukesh Kumar, Dharmendra Singh, Krishan Kumar, Ashima Pahwa	2019	One-pot facile synthesis, crystal structure and antifungal activity of 1,2,3-triazoles bridged with amine-amide functionalities	Synthetic Communications	49	118-128	Taylor And Francis	1.439
C. P. Kaushik, Raj Luxmi, Ashwani Kumar, Krishan Kumar, Ashima Pahwa	2019	Antibacterial evaluation and QSAR studies of 1,2,3-triazole bridged with amide functionalities	Indian Journal of Chemistry	58B	88-95	NISCAIR	0.483
J. Devi , M. Yadav, D. Kumar , L.S. Naik , D.K. Jindal	2019	Some divalent metal(II) complexes of salicylaldehyde- derived Schiff bases: Synthesis, spectroscopic characterization, antimicrobial and <i>in vitro</i> anticancer studies	Applied Organometallic Chemistry	33	e4693	Wiley	3.5
Jai Devi, Suman Devi, Jyoti Yadav and Ashwani Kumar	2019	Synthesis, Biological Activity and QSAR Studies of Organotin(IV) and Organosilicon(IV) Complexes	Chemistry Select	4	4512 – 4520	Wiley-VCH	1.2
Jai Devi, Jyoti Yadav, Namita Singh	2019	Synthesis, characterisation, <i>in vitro</i> antimicrobial, antioxidant and anti-inflammatory activities of diorganotin(IV) complexes derived from salicylaldehyde Schiff bases	Research on Chemical Intermediates	--	doi.org/10.1007/s11164-019-03830-3	Springer	1.04



Satbir Mor, Suchita Sindhu, Savita Nagoria, Mohini Khatri, Prabha Garg, Hardeep Sandhu and Anil Kumar	2019	Synthesis, Biological Evaluation, and Molecular Docking Studies of Some N-thiazolyl Hydrazones and Indenopyrazolones	Journal of Heterocyclic Chemistry	56	1662-1633	Wiley	1.241
Satbir Mor, Suchita Sindhu	2019	Convenient and efficient synthesis of novel 11 <i>H</i> -benzo[5,6][1,4]thiazino[3,4- <i>a</i> ]isoindol-11-ones derived from 2-bromo-(2/3-substitutedphenyl)-1 <i>H</i> -indene-1,3(2 <i>H</i> )-diones	RSC Advances	9	12784-12792	Royal Society of Chemistry	3.048
Sunil Chauhan, Vikas Verma, Devinder Kumar & A Kumar	2019	Synthesis, antimicrobial evaluation and docking study of triazole containing triaryl-1 <i>H</i> -imidazole	Synthetic Communication	49	1427-1435	Taylor And Francis	1.439
G Singh, Sanchita, A Singh, G Sharma, P Kalra, P Satija, Diksha, Sajeev Soni, Vikas Verma	2019	Ester appended organosilatrane: Paradigm for the detection of Cu <sup>2+</sup> , Pb <sup>2+</sup> and Hg <sup>2+</sup> ion	Inorganica Chimica Acta	490	85-92	Elsevier	2.4
Gurjaspreet Singh & Shally Girdhar & Akshpreet Singh & Amandeep Saroa & Pinky Satija & Vikas Verma & Jasbhinder Singh	2019	2,5-Dimercapto-1,3,4-Thiadiazole Tethered $\gamma$ -Propylsilatrane: Syntheses, Characterization, UV-Vis and Electrochemical Studies	Silicon	11 (6)	2575-2582	Springer	1.21
Shubhangi, Nikhil Kumar, Rajendiran Kanagaraj, Kashmiri Lal, Avijit Kumar Paul	2019	Modeling molecular interactions of propounded pyrazole based drug candidates against bacterial DNA gyrase: Validation by syntheses and biological studies	Journal of Molecular Structure	1195 (5)	435-450	Elsevier	2.12

**(XII) Participation of faculty in Seminar/Conference/Workshop and refresher courses etc. during the period:**

**(a) Total Number of Seminars/ Conferences/ Workshop attended by faculty and papers presented**

Positions	Attended			Papers presented		
	International	National	Total	International	National	Total
Professors, Associate Professors & Assistant Professors	-			06	04	10

**(b) International Seminar /Conference/ Workshop:**

Name of the Teacher/Faculty	Title of paper presented	Theme of Seminar/conference	Name of Host organization	Place	Dates
Jai Devi and Jyoti	Antimicrobial compound of Hydrazides	International Conference on Bio and Nano Technologies for sustainable agriculture, food, health, energy & Industry	Department of Bio & Nano Technology, GJUS&T	Hisar	February 21-23, 2018
Suman Rani, Nisha and Devinder Kumar	Antimicrobial screening of substituted 3-acetyl-4-hydroxycoumarin derivatives)	International Conference on Frontiers at the Chemistry-Allied Sciences Interface (FCASI-2018)	Chemistry Deptt. University of Rajasthan	Jaipur	21 <sup>st</sup> -22 <sup>nd</sup> December, 2018
Nisha and Devinder kumar	Antimicrobial evaluation of $\alpha,\beta$ -unsaturated compounds (chalcones) of 1-(5-methyl-1-(4-methylquinolin-2-yl)-1H-pyrazol-4-yl)ethanone)	International Conference on Frontiers at the Chemistry-Allied Sciences Interface (FCASI-2018)	Chemistry Deptt. University of Rajasthan	Jaipur	21 <sup>st</sup> -22 <sup>nd</sup> December, 2018
Jai Devi, Som Sharma	“Synthesis and Characterization of Co (II), Ni(II), Cu(II) and Zn(II) complexes derived from isonicotinic acid(3,4-dihydro-2H-naphthalen-1-ylidene”	2nd International Conference on Innovations in Chemical, Biological & Environmental Sciences (A Multi-Disciplinary International Conference for all Subjects including Engg. & Technology)	Department of Chemistry, Arya P.G. College	Panipat, Haryana	February 27-28, 2019
Kashmiri Lal, Poonam Rani	Environmental benign synthesis of 1,2,3-triazoles for Hg <sup>2+</sup> ion sensing	International conference on "Climate Change towards Health and Agricultural Sustainability (CCHAS-2019)	GJUS&T, Hisar	Hisar	February 18-20, 2019
Jai Devi and Jyoti Yadav	antioxidant activity of diorganotin (IV) complexes and their impact on human health	International Conference on Climate Change towards Health and Agricultural Sustainability (CCHAS- 2019)	Department of Environmental Sciences, GJUS&T, Hisar	Hisar	February 18-20, 2019

**(c) National Seminar / Conferences/ Workshop:**

Name of Teacher/Faculty	Title of paper presented	Theme of Seminar/conference	Name of Host organization	Place	Dates
Jai Devi and Sushila	Design of Schiff bases derived from indazole	9 <sup>th</sup> National Conference on Recent Advances in Chemical, Biological and Environmental Sciences	Department of Chemistry, Multani Mal Modi College	Patiala, Punjab	February 09-10, 2018
J. Saini, V. K. Garg, R. K. Gupta	Green synthesized SiO <sub>2</sub> @OPW nanocomposites	National Conference Bio and Nano Technologies for Sustainable Agriculture, Food, Health, Energy, And Industry	Guru Jambheshwar University of Science and Technology, Hisar,	Hisar	21-23 February, 2018
Nisha Tomer, Apurva Goel, Rajesh Malhotra	Synthesis of Schiff bases from Chromone moiety as Fluorophores	NCSTSD-2019	Department of Chemistry, MDU	Rohtak	12-13 Feb 2019
Apurva Goel, Nisha Tomer, Rajesh Malhotra	Introducing A New Fluorophore For The Detection Of Metal Ions and Chemical Explosives	NCSTSD-2019	Department of Chemistry, MDU, Rohtak	Rohtak	12-13 Feb 2019

**(d) Regional/ State Level Seminars/ Conferences/Workshops: Nil**

Name of Teacher/Faculty	Title of paper presented	Theme of Seminar/Conference	Name of Host organization	Place	Dates

**(e) Total number of Refresher/ Orientation Courses attended:**

- i) Refresher Courses : Nil  
 ii) Orientation Courses : 01  
 iii) Total : 01

**(f) Refresher / Orientation Courses:**

Name of Teacher/Faculty	Title of Refresher Course	Host organization	Dept.	University	Place	Date
Dr. Jyoti	UGC sponsored Orientation Programme-32	GJUS&T, Hisar	UGC-Human Resource Development Centre	GJUS&T, Hisar	Hisar	23.05.2019 to 12.06.2019

**(g) Detail of Academic activities/Professional Activities/ Programmes Organized in Department during the year:**

- i) Seminal /Conference/Refreshers course : (with title and date)  
 ii) Extension lecture : (with resource person & date) : **NIL**  
 iii) Students tour/ training program : (with dates and places visited)

Industrial Tour to Akznobel Ltd., Mohali/Chandigarh (formerly, ICI Paints, pioneer in making paints; Dulux on 29.04.2019.

Industry interaction programs: (with name of company & date): Nil

iv) Any other: Nil

**(XIII) Association with National and State Level Bodies (Give teacher-wise details):**

- i) Membership of Professional Bodies:
- ii) Member of Expert Committee :
- iii) Member of Academic Bodies of other institutions:

**Prof. J. B. Dahiya:**

1. Expert member of DRC, Dept. of Chemistry, HP, University, Shimla
2. Expert member of UG & PG BOS&R, Dept. of Chemistry, CDLU, Sirsa
3. Life member of Indian Chemical Society, Kolkata.
4. Life member of Thermal Analysis Society, Mumbai.

**Prof. Devinder Kumar**

1. Life member, Indian Chemical Society, Kolkata
2. Life member, Chemical Research Society of India, Bangalore
3. Life member, The Indian Science Congress Association, Kolkata

**Prof. Satbir Mor**

1. Life Member, Indian Chemical Society, Kolkata, India (No. SF/6948).
2. Member, Editorial Board of Referees (EBR), ARKIVOC-U.S.A. (Organic Chemistry Journal)
3. Life Member, Indian Science Congress Association (14, Dr. Biresh Guha Street, Kolkata Haridwar Chapter (L0170, 2014).

**Dr Jai Devi**

Life Member, Chemical Research Society of India, Bangalore

Life Member, Indian Chemical Society, Kolkata

**Dr. C.P. Kaushik**

Life Member, Indian Chemical Society

**Dr. Kashmiri Lal**

Life Member of The Indian Science Congress Association (ISCA) L27404

**Dr. Vikas Verma**

Life Member Chemical research Society of India

**(XIV) Detail of Consultancy Work in Department: No**

Name of Teacher	Job Work	Name of Agency	Total Amount
-----	-----	-----	-----

**(XV) Lecture (other than class) delivered (Give teacher wise detail) NIL**

Type	Topic/Subject	Institution	Dates
Invited talk delivered in refresher courses	--	--	--
Extension lectures	--	--	--
Any other	--	--	--

**(XVI) Additional Duties Performed/Positions held in the University (Teacher-wise)**

Sr. No.	Name of Teacher	Additional Positions	Duration From To
1	Dr. R. K. Gupta	B. Tech. Coordinator	Up to January 2018
2	Dr. R. Malhotra	Dean Academic Affairs	Up to June 2019
3	Dr. J.B. Dahiya	Chairperson, Dept. of Chemistry	01-08-2015 to 31-07-2018

4	Dr. Devinder Kumar	Director, APJ Abdul Kalam CIL Member of university research board	2011– Continue
5	Dr. (Mrs.) Sonika	Chief Warden (Girls)	Up to January 01, 2018
6	Dr. Jai Devi	Training Placement Coordinator	May 2016-continue
7	Dr. Kashmiri Lal	Additional Programme Officer, NSS	Dec. 2015-till date
8	Dr. Vikas Verma	Deputy Chief Warden, Boys Hostel No. 2 Deputy Coordinator, APJ Abdul Kalam CIL Member of university research board	Till date

**(XVII) Training & Placement Activities of the Department:**

Activity	No. of Students placed	No. of Companies in which placed*
<b>Training</b>	--	---
<b>Placement</b>	13	IOCL, BARNALA, PUNJAB
	02	KIMIA BIOSCIENCES LTD.,
	11	PGT, DEPT. OF SECONDARY EDUCATION, GOVT. OF HARYANA
	35	ASSISTANT PROFESSOR , DEPT. OF HIGHER EDUCATION, GOVT. OF HARYANA
	02	BARC, TROMBAY

- **Note:- Please attach a list of companies alongwith number of students placed, dates of placement and average package.**

**(XIX) Awards/ Honours received by Faculty (Give teacher-wise details about title of award, awarding agency and date of conferment): NIL**

**(XX) Any other important Information/ Achievement of the Department:**

**Prof. J. B. Dahiya**

- One Patent filed: (Inventors: Prof. J. B. Dahiya and Ms. Shubha (Res, Scholar); Title: “Flame retardant cotton fabric using admicellar polymerization process”.

**ANNEXURE**

**DEPARTMENT OF CHEMISTRY**

- (I) TOTAL NO. OF RESEARCH PAPERS PUBLISHED: 32**  
NATIONAL: 03  
INTERNATIONAL: 29
- (II) TOTAL NO. OF FUNDED RESEARCH PROJECTS: 08**  
COMPLETED: 03  
ON GOING: 05
- (III) TOTAL NO. OF PARTICIPATED AND CONTRIBUTED RESEARCH PAPERS:**  
SEMINARS & CONFERENCES: 10  
INTERNATIONAL LEVEL: 06  
NATIONAL LEVEL: 04
- (IV) TOTAL NO. OF BOOKS PUBLISHED: Nil**
- (V) NUMBER OF SCHOLARS COMPLETED THEIR PH.D. DEGREE: 05**
- (VI) TOTAL NUMBER OF SCHOLARS REGISTERED TO PH.D. PROGRAMME: 05**

**Signature of the Chairperson**

