

ANNUAL REPORT-(2021-22)
(01.07.2021 TO 30.06.2022)
DEPARTMENT OF PHARMACEUTICAL SCIENCES

(I) NAME : Department of Pharmaceutical Sciences

(II) Year of Establishment : 1995

(II) (a) State the vision of the Department:

To develop centre of excellence in education, training and research in the field of Pharmaceutical Sciences where teaching and research enrust detailed understanding from Drugs to Human health.

(b) State the mission of the Department:

- i. To continuously evaluate our performance against National and International benchmarks and to develop dynamic programmes according to the need of the society leading to global tie-ups to meet our stakeholders requirements.
- ii. To develop teaching and research programmes that has relevance to the society and employability.

(c) State the objective of the Department:

- i. To produce quality pharmacists catering to the needs of pharmaceutical industry, hospitals, academics and society.
- ii. To focus on recent advancements in Pharmaceutical Sciences through research.

(As resolved by Staff Council)

(IV) Programme (s) offered in the department

Programme (s)	Sanctioned intake	Present strength(total)
Ph.D.	-	48
P.G	45 + 45	42 (38)+36
U.G	74 each year + 6 LEET each year from 2nd year onwards + left over seats B. pharm. 1st year	244
Any other		

(V) Faculty detail

(Attach a list of the Faculty alongwith their qualifications and Experiences)

	Sanctioned	Direct filled	Under CAS	Remarks if any
Professor	4	2	5	-
Associate Professor	7	1	4	-
Assistant Professor	13	11	00	-

List of Teaching Staff

S. No.	Name	Designation	Qualification	Teaching Experience (years)
1	Dr D.C. Bhatt	Professor	M Pharm, PhD	32
2	Dr Neeru Vasudeva	Professor, Chairperson & Dean	M Pharm, PhD	36
3	Dr Sunil Sharma	Professor	M Pharm, PhD	25
4	Dr Sumitra Singh	Professor	M Pharm, PhD	24
5	Dr Dinesh Dhingra	Professor	M Pharm, PhD	28
6	Dr Munish Ahuja	Professor	M Pharm, PhD	25
7	Dr Sandeep Jain	Professor	M Pharm, PhD	26
8	Dr Archana Kapoor	Assistant Professor	M Pharm, PhD	15
9	Dr Ashwani Kumar	Assistant Professor	M Pharm, PhD	15
10	Dr Sunil Kumar	Assistant Professor	M Pharm, PhD	15
11	Dr Meenakshi Bhatia	Assistant Professor	M Pharm, PhD	15
12	Dr Rekha Rao	Assistant Professor	M Pharm, PhD	15
13	Dr Vikramjeet Singh	Assistant Professor	M Pharm, PhD	11
14	Dr Manoj Kumar	Assistant Professor	M Pharm, PhD	08
15	Dr. Naresh Kumar	Assistant Professor (On contract)	M Pharm, PhD	13
16	Dr. Ravi	Assistant Professor (On contract)	M Pharm, PhD	08
17	Dr. Deepak Kumar Jindal	Assistant Professor (On contract)	M Pharm, PhD	09
18	Ms. Himanshi	Assistant Professor (On contract)	M Pharm	07
19	Dr. Sonali Batra	Assistant Professor (On contract)	M Pharm, PhD	04
20	Dr. Samridhi	Assistant Professor (On contract)	M Pharm, PhD	04
21	Dr. Kavita	Assistant Professor (On contract)	M Pharm, PhD	07

(VI) Office/Tech. staff detail:

Title of Position	Sanctioned strength	In position strength
Technical Asstt. Gr-1/ S. Keeper	01	01
Asstt-cum-DEO	01	01
Clerk	01	00
Steno	01	01
Lab Attendant	09	09 (6 + 1 Lab. Tech+ 2TA-I)
Animal Attendant (In EAF)	01	01
Peon	02	02

VII) a) Students detail in respect of M.Sc., M.Tech., M.Pharm., M.Ph.Th., M.Com., MBA and MCA Programmes

<i>Programme</i>	<i>Sanctioned Intake</i>	<i>Students admitted 1st Year</i>	<i>Students Present in Final Year</i>
M. Pharm.	45	42	36

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

1st year		2nd year		3rd year	4th year
<i>Sanctioned Intake</i>	<i>Students admitted</i>	<i>Sanctioned intake through LEET</i>	<i>Students Present</i>	<i>Students Present</i>	<i>Students Present</i>
74	70	74+6 (LEET)	72	71	64

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

Sr. No.	Name of Programme	No. of students Admitted	Name of Country
	B.Pharmacy	00	

(VIII) Research Scholars: Attach a separate list (Reg. No, Name, Name of Supervisor/Co-Supervisor)

Total no. of Ph.D. students	Registered during the year	Thesis submitted during the year	Thesis Awarded During the year
41	05	13	02

List of ongoing PhD scholars of Department of Pharmaceutical Sciences

S. No.	Regn. no.	Candidate	Supervisor	Co-supervisor
1	15129003	Vinesh Dahiya	Prof. Neeru Vasudeva	Prof. Sunil Sharma
2	15129006	Nidhi	Prof. Sunil Sharma	
3	15129017	Harish Kumar	Prof. Sunil Sharma	Prof. Neeru Vasudeva
4	16129004	Bhupinder Bhyan	Prof. D.C. Bhatt	
5	16129005	Sandeep Rathor	Prof. D.C. Bhatt	
6	16129007	Sheikh Aamir	Prof. D.C. Bhatt	
7	16129009	Jitender Mor	Prof. D.C. Bhatt	
8	16129010	Sunil Shukla	Prof. Sunil Sharma	Prof. Neeru Vasudeva
9	16129011	Sudha	Prof. Dinesh Dhingra	
10	17129002	Shalini Yadav	Prof. Sunil Sharma	

11	17129003	Rameshwar Dass	Dr. Meenakshi Bhatia	
12	17129004	Pooja	Dr. Rekha Rao	
13	17129007	Manisha	Dr. Ashwani Kumar	
14	180120090001	Padmnabh	Prof. D C Bhatt	
15	180120190001	Kiran Bagri	Dr. Ashwani Kumar	
16	190120290001	Pooja Rani	Dr. Meenakshi Bhatia	
17	190120290002	Pooja Kumari	Prof. Munish Ahuja	Dr. Viney Kant
18	190120290003	Rimpy	Prof. Munish Ahuja	
19	190120290004	Raghuvir Singh	Dr. Rekha Rao	
20	190120290005	Sunidhi	Dr. Meenakshi Bhatia	
21	190120290006	Varsha	Dr. Rekha Rao	
22	190120290007	Priyanka	Dr. Rekha Rao	
23	190120190001	Arti	Dr. Ashwani Kumar	
24	190120290003	Mithlesh Yadav	Dr. Archana Kapoor	
25	190120390001	Kulwant Singh	Prof. Dinesh Dhingra	
26	190120490002	Savina	Prof. Sumitra Singh	
27	190120190102	Bhawna	Dr. Sunil Kumar	Dr. Ashwani Kumar
28	190120290101	Rashmi	Prof. Munish Ahuja	
29	190120390101	Manisha	Prof. Sunil Sharma	Prof. Neeru Vasudeva
30	190120390102	Hemlata	Prof. Sunil Sharma	Prof. Neeru Vasudeva
31	190120390103	Priy	Prof. Dinesh Dhingra	
32	190120390104	Pinki	Prof. Sunil Sharma	Prof. Neeru Vasudeva
33	200120290101	Sonika Rani Jangra	Prof. D. C. Bhatt	

(IX) Sponsored Research/ Consultancy Projects: NIL

(a.)

Total no. of Projects in Progress during the academic current year	Total No. of Projects awarded during the academic current year	Total No. of Projects Completed during the academic current year

(b.)

Title of the Project	Name of the Investigator(s)	Status: Completed/In Progress	Nature: Research/ Consultancy	Month & Year of award
	TOTAL			

X) Number of Publications of Faculty (in Total)

Books	Research papers	Research paper	Other
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					Articles
	SCI/Scopus	UGC Care	Refereed	Non refereed	
03	60	02	65	---	

(XI) Faculty wise detail of publication during the academic year:

a) Books/Book Chapters/ Monograph etc.

Authors	Title	Year of publication	Type of books(Text/Reference/Report)	Publishers
Meenakshi Bhatia and Priya Dhiman	Natural Polymers: Functionalization and Applications	2022	Report	Lambert Academic Publishing
Neetu Chopra, Sandeep Jain, Jitender Madan	Text Book of Organic Chemistry II	2022	Text Book	AKINIK Publications , New Delhi
Sunil Kumar and Bhawna	Medicinal chemistry of Imidazole Derivatives	2021	Report	Lambert Academic Publishing

b) Research Papers/ Articles in Journals

Prof. D.C. Bhatt

Authors	Year	Title of paper	Name of Journal	Publishers	Vol.& No.	Pages	SCI/Scopus (Yes/No)	Impact factor
Gurpreet Kandav, Dinesh Chandra Bhatt, Shailendra Kumar Singh	2022	Effect of Different Molecular Weights of Chitosan on Formulation and Evaluation of Allopurinol-Loaded nanoparticles for Kidney Targeting and in Management of Hyperuricemic	AAPS PharmSciTech	Springer International Publishing	23(5)	144	Yes	4.026
Sandeep Rathor, Dinesh Chandra Bhatt	2022	Formulation, Characterization, and Pharmacokinetic Evaluation of Novel Glipizide-phospholipid nano-complexes with improved Solubility and Bio-availability	Pharmaceutical Nanotechnology	Bentham Science	10(2)	125-136	Yes	0.00
Bhupinder Bhyan, Dinesh Chandra Bhatt, Sarita	2022	Evaluation and Pharmacokinetic Study in healthy human volunteers of developed bilayer thin films containing Piroxicam	Research Journal of Pharmacy and Technology	A & V Publications	15(9)	3962-3968	Yes	-

Jangra		and Zolmitriptan						
Shaveta Ahalwat, DC Bhatt, Surbhi Rohilla	2022	Fabrication of Lipid Combination for Bioavailability Enhancement of Isoniazid	Research Journal of Pharmacy and Technology	A & V Publications	15(12)	5589-5596	Yes	-
Sandeep Rathor, DC Bhatt	2022	Novel Glibenclamide – Phospholipid Complex for Diabetic Treatment: Formulation, Physicochemical Characterization, and in – vivo Evaluation	Indian Journal of Pharmaceutical Education and Research	Association of Pharmaceutical Teachers of India (India)	56(3)	697-705	Yes	0.6
S Rathor, S Aamir, DC Bhatt, K Kumar and V Kumar	2021	A Comprehensive Review on Microbubble Concept, Development and Its Application in Therapeutic Drug Delivery and Clinical Management of Disease	Current Pharmaceutical Biotechnology	Bentham Science	22(11)	1424-1443	Yes	2.829
Bhupinder Bhyar, DC Bhatt, Sarita Jangra, Elephine Prahakar	2021	Method Development and Validation for Simultaneous Estimation of Zolmitriptan and Piroxicam by UV Spectrophotometric Method	Gradiva Rev J	State University of New York	2(10)	160-167	Yes	-
Surbhi Rohilla, Dinesh Chandra Bhatt	2021	Stability studies of hollow microspheres at refrigerated, normal and accelerated conditions,	Research Journal of Pharmacy and Technology	A & V Publications	14(10)	5351-5354.	Yes	
Shaveta Ahalwat, Dinesh Chandra Bhatt	2021	Development of novel lipid matrix for improved sustained release effect of a hydrophilic drug via response surface methodology	Journal of Drug Delivery Science and Technology	Elsevier	67(3)	102993	Yes	5.062
Sumit Kumar, Dinesh Chandra Bhatt	2021	Influence of sodium alginate and calcium chloride on the characteristics of isoniazid loaded nanoparticles	Research Journal of Pharmacy and Technology	A & V Publications	14(1)	389-396	Yes	-

Prof. Neeru Vasudeva

Authors	Year	Title of paper	Name of Journal	Publishers	Vol.& No.	Pages	SCI/Scopus (Yes/No)	Impact factor
Kumar, H. and Vasudeva, N.	2022	Immunomodulatory potential of Nyctanthes abrortristis stem bark	Journal of Ayurveda and Integrative Medicine	Elsevier	13(2)	100556	Yes	-
Vinesh Dahiya, Neeru Vasudeva,	2022	Hypothyroid Swiss Albino Mice Weight Changes Up on Administering	Neuroquantology	-	20(13)	-	Yes	-

Sunil Sharma, Ashok Kumar		Momordica charantia Aqueous Extract						
Dahiya, V., Vasudeva, N., Sharma, S. and Kumar, A.,	2022	Reversing the Weight Gained by Hypothyroid Mice using Momordica charantia Aqueous Extract	AMJ	-	62(9)	5085-5092	Yes	-
Dahiya, V., Vasudeva, N., Sharma, S. and Kumar, A.,	2022	Recording the Body Weight Alterations in Hypothyroid Obese Mice Following Treatment with Alcoholic Extract of Citrullus Colocynthis	Journal of Pharmaceutical Negative Results	-	13(9)	2405-2411	Yes	-
Vinesh Dahiya, Neeru Vasudeva, Sunil Sharma, Ashok Kumar	2022	Administration of Momordica charantia Alcoholic extract for the treatment of hypothyroidism induced obesity in mice	Neuroquantology	-	20(9)	-	Yes	-

Prof. Sumitra Singh

Authors	Year	Title of paper	Name of Journal	Publishers	Vol.& No.	Pages	SCI/Scopus (Yes/No)	Impact factor
Sonia and Sumitra Singh	2022	<i>Tribulus terrestris</i> L. fruits: an extensive pharmacognostical and phytochemical quality assessment	Research Journal of Pharmacy and Technology	-	14:12	5431-5	Yes	-
Kusum Kumari Rohilla, Deepak Rohilla, Bhagwati Devi, Parvin Kumar Yadav, Kamlesh Malik and Mahendra Kumar Saini	2021	India's Contribution during COVID-19 Pandemic: COVISHIELD and COVAXIN	National Journal of Community Medicine	MedSci	12:12	449-451	Yes	-
Sumitra Singh and Bhagwati Devi	2021	Analgesic, Anti-Inflammatory and Burn wound healing Activities of <i>Cucumis melo</i> L. Subsp. <i>Agrestis</i> (Naudin) Pangalo Fruits and	Journal of Huazhong University of Science and Technology	-	50:5	1-33	No	-

		Leaves						
Sumitra Singh and Bhagwati Devi	2021	Phytochemical and GC-MS studies of <i>Cucumis melo</i> L subsp. Agrestis (Naudin) Pangalo Fruits	Plant Archives	-	21:1	493-499	-	-

Prof. Sunil Sharma

Authors	Year	Title of paper	Name of Journal	Publishers	Vol.& No.	Pages	SCI/Scopus (Yes/No)	Impact factor
Vinesh Dahiya, Neeru Vasudeva, Sunil Sharma, Ashok Kumar	2022	Hypothyroid Swiss Albino Mice Weight Changes Up on Administering Momordica charantia Aqueous Extract	Neuroquantology	-	20(13)	-	Yes	-
Dahiya, V., Vasudeva, N., Sharma, S. and Kumar, A.,	2022	Reversing the Weight Gained by Hypothyroid Mice using Momordica charantia Aqueous Extract	AMJ	-	62(9)	5085-5092	Yes	-
Dahiya, V., Vasudeva, N., Sharma, S. and Kumar, A.,	2022	Recording the Body Weight Alterations in Hypothyroid Obese Mice Following Treatment with Alcoholic Extract of Citrullus Colocynthis	Journal of Pharmaceutical Negative Results	-	13(9)	2405-2411	Yes	-
Vinesh Dahiya, Neeru Vasudeva, Sunil Sharma, Ashok Kumar	2022	Administration of Momordica charantia Alcoholic extract for the treatment of hypothyroidism induced obesity in mice	Neuroquantology	-	20(9)	-	Yes	-

Prof. Dinesh Dhingra

Authors	Year	Title of paper	Name of Journal	Publishers	Vol.& No.	Pages	SCI/Scopus (Yes/No)	Impact factor
Jyoti Bakshi, Prity Lathar, Meenakshi Mehra, Sapna Grewal, <u>Dinesh Dhingra</u> , Santosh Kumari	2022	Evaluation of anti-inflammatory response of berberine-loaded gum nanocomplexes in carrageenan-induced acute paw edema in rats.	Pharmacological Reports	Springer	74:2	392-405	Yes	3.027
Jyoti Bakshi,	2022	Berberine Loaded Tragacanth-Acacia	J. Cluster Science	Springer	-	-	Yes	3.4

Meenakshi Mehra, Sapna Grewal, <u>Dinesh Dhingra</u> , Santosh Kumari		Gum Nanocomplexes: Synthesis, Characterization and Evaluation of In Vitro Anti-inflammatory and Antioxidant Activity						
Jyoti Bakshi, Meenakshi Mehra, Sapna Grewal, <u>Dinesh Dhingra</u> , Santosh Kumari.	2022	Synthesis, characterization and evaluation of in vitro antimicrobial and antidiabetic activity of berberine encapsulated in guar-acacia gum nanocomplexes.	Journal of Bioactive and Compatible Polymers	SAGE Journals	37:4	-	Yes	2.1
Sudha Bansal, <u>Dinesh Dhingra</u> .	2022	Pharmacological Screening of Gentisic acid for Antidepressant Activity in Unstressed and Stressed Mice	International Journal of Pharmaceutical Investigation	Phcog.Net	12:2	216-222	No	-

Prof. Munish Ahuja

Authors	Year	Title of paper	Name of Journal	Publishers	Vol.& No.	Pages	SCI/Scopus (Yes/No)	Impact factor
Dhaval J. Kamothi, Vinay Kant, Babu L. Jangir, Vinay G. Joshi, Munish Ahuja, Vinod Kumar,	2022	Novel preparation of bilirubin-encapsulated pluronic F-127 nanoparticles as a potential biomaterial for wound healing	European Journal of Pharmacology	Elsevier	919	174809	Yes	4.432
Vikas Dagar, Rimpay Pahwa, Munish Ahuja	2022	Preparation and Characterization of calcium cross-linked carboxymethyl tamarind kernel polysaccharide as release retardant polymer in matrix	Biointerface Research in Applied Chemistry	Biointerface Research in Applied Chemistry	13 (2)	1-14	Yes	-
Vinay Kant, Pooja Kumari, Dhaval K Jitendra, Munish Ahuja, Vinod	2021	Nanomaterials of Natural Bioactive Compounds for Wound Healing: Novel Drug Delivery Approach	Current Drug Delivery	Bentham Science	18	1406-1425	Yes	3.758

Kumar								
Rimpy, Munish Ahuja	2022	Chapter 6 - Gum kondagogu as a potential material for micro- and nanoparticulate drug delivery	Micro and Nano Technologies, Micro- and Nanoengineered Gum-Based Biomaterials for Drug Delivery and Biomedical Applications	Elsevier	-	157-181	Yes	-

Prof. Sandeep Jain

Authors	Year	Title of paper	Name of Journal	Publishers	Vol.& No.	Pages	SCI/Scopus (Yes/No)	Impact factor
Navidha Aggarwal and Sandeep Jain	2021	A Synthetic Approach, Characterization and Biological Evaluation of Novel 5-(Arylidene)-2-(5-methyl-1,3,4-thiadiazol-2-ylimino) thiazolidin-4-one Derivatives.	Asian Journal of Chemistry	Asian Publication Corporation	33:7	1530-1536	Yes	
Navidha Aggarwal, Sandeep Jain, Neetu Chopra,	2022	Navidha Aggarwal, Sandeep Jain, Neetu Chopra, Hybrids of Thiazolidin-4-Ones and 1,3,4-Thiadiazole: Synthesis and Biological Screening of A Potential New Class of Acetylcholinesterase Inhibitors.	Biointerface Research in Applied Chemistry	AMG Transcend Association	12:3	2800-2812	Yes	-
Sandeep Jain, Neetu Chopra and Navidha Aggarwal	2021	Comparative in Vitro anticancer study of 4-thiazolidinone scaffold bearing thiadizole moiety derived from phenolic aldehydes	International Journal of Pharmaceutical Research	Advanced Scientific Research	13:1	835-851	-	-

Dr. Ashwani Kumar

Authors	Year	Title of paper	Name of Journal	Publishers	Vol.& No.	Pages	SCI/Scopus (Yes/No)	Impact factor
Meenakshi Bhatia, Ashwani Kumar, Vikas Verma, Sunita Devi	2021	Development of ketoprofen-p-aminobenzoic acid co-crystal: formulation, characterization, optimization, and evaluation	Medicinal Chemistry Research	Springer	30	2090-2102	Yes	2.351
Monika Yadav,	2022	Indole-chalcone linked 1,2,3-triazole hybrids:	Journal of Molecular	Elsevier	1261	132867	Yes	3.841

Kashmiri Lal, Aman Kumar, Ashwani Kumar, Devinder Kumar		Facile synthesis, antimicrobial evaluation and docking studies as potential antimicrobial agents	Structure					
Sunita Devi, Ashwani Kumar, Archana Kapoor, Vikas Verma, Snehlata Yadav, Meenakshi Bhatia	2022	Ketoprofen-FA Co-crystal: In Vitro and In Vivo Investigation for the Solubility Enhancement of Drug by Design of Expert	AAPS PharmSciTech	Springer	23:4	101	Yes	4.026
Parvin Kumar & Ashwani Kumar	2021	Unswerving modeling of hepatotoxicity of cadmium containing quantum dots using amalgamation of quasiSMILES, index of ideality of correlation, and consensus modeling	Nanotoxicology	Taylor and Francis Online	15:9	1199-1214	Yes	5.881
Ashwani Kumar, Parvin Kumar, Devender Singh	2022	QSRR modelling for the investigation of gas chromatography retention indices of flavour and fragrance compounds on Carbowax 20 M glass capillary column with the index of ideality of correlation and the consensus modeling	Chemometrics and Intelligent Laboratory Systems	Elsevier	224	104552	Yes	4.175
Meenakshi Duhan, Parvin Kumar, Jayant Sindhu, Rahul Singh, Meena Devi, Ashwani Kumar, Ramesh Kumar, Sohan Lal	2021	Exploring biological efficacy of novel benzothiazole linked 2,5-disubstituted-1,3,4-oxadiazole hybrids as efficient α -amylase inhibitors: Synthesis, characterization, inhibition, molecular docking, molecular dynamics and Monte Carlo based QSAR studies	Computers in Biology and Medicine	Elsevier	138	10476	Yes	6.698
Parvin Kumar, Ashwani Kumar, Devender Singh	2022	CORAL: Development of a hybrid descriptor based QSTR model to predict the toxicity of dioxins and dioxin-like compounds with correlation intensity index and consensus modeling	Environmental Toxicology and Pharmacology	Elsevier	93	103893	Yes	5.785
Parvin	2022	CORAL: Quantitative	Journal of	Elsevier	1265	133437	Yes	3.841

Kumar, Ashwani Kumar, Sohan Lal, Devender Singh, Shahram Lotfi, Shahin Ahmadi		Structure Retention Relationship (QSRR) of flavors and fragrances compounds studied on the stationary phase methyl silicone OV-101 column in gas chromatography using correlation intensity index and consensus modeling	Molecular Structure					
Atena Azimi, Shahin Ahmadi, Ashwani Kumar, Mahnaz Qomi & Ali Almasirad	2022	SMILES-Based QSAR and Molecular Docking Study of Oseltamivir Derivatives as Influenza Inhibitors	Polycyclic Aromatic Compounds	Taylor and Francis online	-	-	Yes	2.195
Ashwani Kumar & Parvin Kumar	2021	Prediction of power conversion efficiency of phenothiazine-based dye-sensitized solar cells using Monte Carlo method with index of ideality of correlation	SAR and QSAR in Environmental Research	Taylor and Francis online	32:10	817-834	Yes	3.681
Naresh Kumar, Sonika Asija, Yogesh Deswal, Sonia Saroya, Ashwani Kumar & Jai Devi	2022	Organotin(IV) complexes derived from hydrazone ligands: Synthesis, spectral analysis, antimicrobial and molecular docking studies	Phosphorus, Sulfur, and Silicon and the Related Elements	Elsevier	-	-	Yes	1.052
Suman Punia, Vikas Verma, Devinder Kumar, Ashwani Kumar, Laxmi Deswal, Gurjaspreet Singh, Subhash C. Sahoo	2022	Pyrazolyl-Imidazole clubbed 1,2,3-triazoles: Synthesis, structure explication and antimicrobial evaluation	Journal of Molecular Structure	Elsevier	1262	133060	Yes	3.841
Suman Punia, Vikas Verma, Devinder Kumar, Ashwani Kumar, Laxmi	2021	Synthesis and evaluation of novel pyrazole-imidazole hybrids as antimicrobial candidates	Synthetic Communications	Taylor and Francis Online	51:18	2832-2846	Yes	1.937

Deswal, and Mahavir Parshad								
Sunil Chauhan, Vikas Verma, Devinder Kumar, Ragini Gupta, Siddhi Gupta, Avinash Bajaj, Ashwani Kumar & Mahavir Parshad	2022	N-Heterocycles hybrids: Synthesis, antifungal and antibiofilm evaluation	Synthetic Communications	Taylor and Francis Online	52:6	898- 911	Yes	1.937
Kumar, Parvin and Sunil Kumar, and Ashwani Kumar		Creation of Quantitative Feature Toxicity Relationship Models for Cytotoxicity of Cadmium Containing Quantum Dots Towards HEK Cells Using QuasiSMILES	International Journal of Quantitative Structure- Property Relationships	IGI Global	1	1-20	No	-

Dr. Sunil Kumar

Authors	Year	Title of paper	Name of Journal	Publishers	Vol.& No.	Pages	SCI/Scopus (Yes/No)	Impact factor
Bhawna, Ashwani Kumar, Meenakshi Bhatia, Archana Kapoor, Parvin Kumar, Sunil Kumar	2022	Monoamine oxidase inhibitors: A concise review with special emphasis on structure activityrelationship studies	European Journal of Medicinal Chemistry	Elsevier	-	-	Yes	7.088
Sunil Kumar and Ritika	2022	Synthesis and screening of antimicrobial and antioxidant activities of 4-(1- alkylindol-3-yl)-6- (substituted phenyl) pyrimidin- 2-ol derivatives	Journal of medical pharmaceutical and allied sciences	Medic Scientific	11:1	4119- 4124	Yes	-
Sunil Kumar and Sandeep Jain	2022	Anti-inflammatory and analgesic studies of 2-aryl-3- (5-alkyl-1, 3, 4- thiadiazol-2-yl) 4- thiazolidinones	Research Journal of Pharmacy and Technology		15:12	-	Yes	-
Meenakshi Bhatia, Sunil Kumar,	2022	A Review on the Drug Delivery Strategies for Parasitic	Drug Delivery Letters1	Bentham Science	12:2	109- 121	Yes	-

Archana Kapoor and Sunidhi Lohan		Infections: Scope and Assertion						
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Dr. Meenakshi Bhatia

Authors	Year	Title of paper	Name of Journal	Publishers	Vol.& No.	Pages	SCI/Scopus (Yes/No)	Impact factor
Deepika Modi, Jayabalan Nirmal , Musarrat Husain Warsi, Meenakshi Bhatia*, Nazeer Hasan, Prashant Kesharwani, Gaurav K. Jain	2022	Formulation and development of tacrolimus-gellan gum nanoformulation for treatment of dry eye disease	Colloids and Surfaces B: Biointerfaces	Elsevier	211	112255		5.999
Bhawna, Ashwani Kumar, Meenakshi Bhatia, Archana Kapoor, Parvin Kumar, Sunil Kumar	2022	Monoamine oxidase inhibitors: A concise review with special emphasis on structure activityrelationship studies	European Journal of Medicinal Chemistry	Elsevier	-	-	Yes	7.088
Sunita Devi, Sunil Kumar, Vikas Verma, Deepak Kaushik, Ravinder Verma, Meenakshi Bhatia	2022	Enhancement of ketoprofen dissolution rate by the liquisolid technique: optimization and in vitro and in vivo investigations	Drug Delivery and Translational Research	Springer	12:11	2693-2707	Yes	5.67
Ravinder Verma , Vineet Mittal , Parijat Pandey , Saurabh Bhatia, Meenakshi Bhatia , Christina Karavasili , Tapan Behl , Ahmed Al-Harrasi , Priti Tagde, Manish Kumar and Deepak Kaushik	2022	Exploring the Role of Self-Nanoemulsifying Systems in Drug Delivery: Challenges, Issues, Applications and Recent Advances	Current Drug Delivery	Bentham Science	-	-	Yes	3.75
Meenakshi Bhatia*, Ashwani Kumar, Vikas Verma, Sunita Devi	2021	Development of ketoprofen-p-aminobenzoic acid co-crystal: formulation, characterization, optimization, and evaluation	Medicinal Chemistry Research	Springer	30	2090-2102	Yes	2.35
Sunita Devi, Ashwani Kumar, Archana Kapoor, Vikas Verma, Snehlata Yadav,	2022	Ketoprofen-FA Co crystal: In Vitro and In Vivo Investigation for the Solubility	AAPS PharmSciTec	Springer	23:4	101	Yes	4.026

Meenakshi Bhatia		Enhancement of Drug by Design of Expert						
Laxmi Deswal, Vikas Verma, Devinder Kumar, Yogesh Deswal · Ashwani Kumar · Rajnish Kumar · Mahavir Parshad · Meenakshi Bhatia	2022	Synthesis, antimicrobial and α -glucosidase inhibition of new benzimidazole-1,2,3-triazole-indoline derivatives: a combined experimental and computational venture	Chemical Papers	Springers	76	7607-7622	Yes	2.146
Meenakshi Bhatia and Priya Dhiman	2022	Ethnological aspects of COVID-19	Braz. J. Pharm. Sci.	Universidade de São Paulo, Faculdade de Ciências Farmacêuticas	58	e20975	YEs	-
Meenakshi Bhatia, Sunil Kumar, Archana Kapoor and Sunidhi Lohan	2022	A Review on the Drug Delivery Strategies for Parasitic Infections: Scope and Assertion	Drug Delivery Letters	Bentham Science	12:2	109-121	Yes	-
Meenakshi Bhatia*, M. Srivastav, Sunita devi, S. K. Sharma, Vandita Kakkar and Komal Saini	2022	Optimization and Evaluation of Ketoconazole Loaded Nanostructured Lipid Carriers Employing Microwave Assisted Technique	Indian J Pharm Sci		84:1	162-172	Yes	-

Dr. Archana Kapoor

Authors	Year	Title of paper	Name of Journal	Publishers	Vol.& No.	Pages	SCI/Scopus (Yes/No)	Impact factor
Meenakshi Bhatia, Sunil Kumar, Archana Kapoor and Sunidhi Lohan	2022	A Review on the Drug Delivery Strategies for Parasitic Infections: Scope and Assertion	Drug Delivery Letters1	Bentham Science	12:2	109-121	Yes	-
Sunita Devi, Ashwani Kumar, Archana Kapoor, Vikas Verma, Snehlata Yadav, Meenakshi Bhatia	2022	Ketoprofen-FA Co crystal: In Vitro and In Vivo Investigation for the Solubility Enhancement of Drug by Design of Expert	AAPS PharmSciTec	Springer	23:4	101	Yes	4.026
Ayushi	2022	Development of	Toxicology	Taylors and	33:3	222-	Yes	4.01

Singh, Sunil Kumar, Archana Kapoor, Parvin Kumar & Ashwani Kumar		reliable quantitative structure-toxicity relationship models for toxicity prediction of benzene derivatives using semiempirical descriptors	Mechanisms and Methods	Francis online		232		
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Dr. Vikramjeet Singh

Authors	Year	Title of paper	Name of Journal	Publishers	Vol.& No.	Pages	SCI/Scopus (Yes/No)	Impact factor
Nisha Kamra, Suman Rani, Prof. Devinder Kumar, Dr. Ajeet Singh, Dr. Payare L. Sangwan, Dr. Shashank K. Singh, Samridhi Thakral, Dr. Vikramjeet Singh	2021	Synthesis, Biological Evaluation and Docking Studies of Quinoline Pyrazolyl-Chalcone Hybrids as Anticancer and Antimicrobial Agents	Chemistry Select	Wiley-VCH	6:42	11822-11831	Scopus	2.307
Suman Rani, Nisha Kamra, Devinder Kumar, Sumit Thakral, Samridhi Thakral, and Vikramjeet Singh	2021	Synthesis and In vitro Antimicrobial and Antioxidant Screening of Pyrano [4, 3-b] Pyrans with Docking Studies	Indian Journal of Heterocyclic Chemistry	Connect Journals	31:3	457-465	Scopus	0.339

Dr. Rekha Rao

Authors	Year	Title of paper	Name of Journal	Publishers	Vol.& No.	Pages	SCI/Scopus (Yes/No)	Impact factor
Kumar, S. and Rao, R.	2021	Novel Dithranol Loaded Cyclodextrin Nanosponges for Augmentation of Solubility, Photostability and Cytocompatibility	Current Nanoscience	Bentham Science	17:5	747-761	Yes	1.5
Kumar, S., Jangir, B.L. and Rao, R.	2022	Cyclodextrin Nanosponge Based Babchi Oil Hydrogel Ameliorates Imiquimod-induced Psoriasis in Swiss Mice: An Impact on Safety and	Micro and Nanosystems	Bentham Science	14:3	226-242	Yes	-

		Efficacy						
Gupta, B., Dalal, P. and Rao, R.	2021	Cyclodextrin decorated nanosponges of sesamol: Antioxidant, anti-tyrosinase and photostability assessment	Food Bioscience	Elsevier	42	101098	Yes	5.3
Kumar, A. and Rao, R.	2021	Enhancing efficacy and safety of azelaic acid via encapsulation in cyclodextrin nanosponges: Development, characterization and evaluation	Polymer Bulletin	Springer	78:9	5275-5302	Yes	2.8
Nair, A.B., Kumar, S., Dalal, P., Nagpal, C., Dalal, S., Rao, R., Sreeharsha, N. and Jacob, S.	2022	Novel Dermal Delivery Cargos of Clobetasol Propionate: An Update	Pharmaceutics	MDPI	14:2	383	Yes	6.5
Mehta, S., Kadian, V., Dalal, S., Dalal, P., Kumar, S., Garg, M. and Rao, R.,	2022	A Fresh Look on Bergenin: Vision of Its Novel Drug Delivery Systems and Pharmacological Activities	Future Pharmacology	MDPI	2:1	64-91	NO	
Kumar, A. and Rao, R.,	2022	. Formulation and modification of physicochemical parameters of p-Coumaric acid by cyclodextrin nanosponges	Journal of Inclusion Phenomena and Macrocyclic Chemistry	Springer	102:3	313-326	Yes	1.9
Wadhwa, K., Kadian, V., Puri, V., Bhardwaj, B.Y., Sharma, A., Pahwa, R., Rao, R., Gupta, M. and Singh, I.,	2022	New insights into quercetin nanoformulations for topical delivery	Phytomedicine Plus	Elsevier	2:2	100257	Yes	6.6

(XII) Participation of faculty in Seminars/Conferences/Workshops and refresher courses etc. during the period:

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

Positions	Attended			Papers presented		
	International	National	Total	International	National	Total
Professor,						
Associate Professor		04			04	
Assistant Professor						

(b) International Conferences/ Seminars/ Workshops: NIL

Name of the Faculty	Title of paper presented	Theme of conference/ Seminar/ workshop	Name of Host organization	Place	Dates/ Duration	Funded by UGC/DST CSIR/AICTE / Univ./etc.

(c) National Conferences/ Seminars/ Workshops:

Name of Faculty	Title of paper presented	Theme of conference/ Seminar	Name of Host organization	Place	Dates/ Duration	Funded by UGC/DST CSIR/AICTE /Univ./etc.
Dr. Meenakshi Bhatia	Preparation and optimization of Ketoprofen-Fumeric acid co-crystals for solubility enhancement of ketoprofen	Entrepreneurship and startup opportunities in herbal drugs-A way forward	MDU, Rohtak	Rohtak	8-10 March 2022	UGC, New Delhi
Dr Archana Kapoor		Entrepreneurship and startup opportunities in herbal drugs-A way forward	MDU, Rohtak	Rohtak	8-10 March 2022	UGC, New Delhi
Dr Archana Kapoor	Quality Control of Indian Medicinal Plants- Standardized Raw material to	Advanced physical methods in chemical sciences	Department of Pharmaceutical Sciences, MDU, Rohtak	Rohtak	March 25-26, 2021	

	Finished Products					
Dr. Ashwani Kumar	Development of quantitative feature toxicity relationship models for accurate estimation of hazardousness of quantum dots	Advanced physical methods in chemical sciences	Department of Pharmaceutical Sciences, MDU, Rohtak	Rohtak	March 25-26, 2021	

(d)Regional/ State Level Conferences/ Seminars/ Workshops: NIL

Name of Faculty	Title of paper presented	Theme of Conference/ Seminar	Name of Host organization	Place	Dates/ Duration	Funded by UGC/DST CSIR/AICTE /Univ./etc.

(e)Refresher Courses/ Orientation Courses: 07

Name of Faculty	Title of Refresher Course	Host organization /University	Dept./HRDC	Place	Dates/ Duration
Dr. Ashwani Kumar	Developing Life Skills & Capacity Building for Pharma Professionals	Maharshi Dayanand University, Rohtak	Maharshi Dayanand University, Rohtak	Rohtak	13/09/2021 to 17/09/2021
Dr. Sunil Kumar	Developing Life Skills & Capacity Building for Pharma Professionals	Maharshi Dayanand University, Rohtak	Maharshi Dayanand University, Rohtak	Rohtak	13/09/2021 to 17/09/2021
Dr. Meenakshi bhatia	Developing Life Skills & Capacity Building for Pharma Professionals	Maharshi Dayanand University, Rohtak	Maharshi Dayanand University, Rohtak	Rohtak	13/09/2021 to 17/09/2021
Dr. Archana kapoor	Developing Life Skills & Capacity Building for	Maharshi Dayanand University, Rohtak	Maharshi Dayanand University, Rohtak	Rohtak	13/09/2021 to 17/09/2021

	Pharma Professionals				
Dr. Vikramjeet Singh	Developing Life Skills & Capacity Building for Pharma Professionals	Maharshi Dayanand University, Rohtak	Maharshi Dayanand University, Rohtak	Rohtak	13/09/2021 to 17/09/2021
Dr. Rekha Rao	Developing Life Skills & Capacity Building for Pharma Professionals	Maharshi Dayanand University, Rohtak	Maharshi Dayanand University, Rohtak	Rohtak	13/09/2021 to 17/09/2021
Dr. Manoj Kumar	Developing Life Skills & Capacity Building for Pharma Professionals	Maharshi Dayanand University, Rohtak	Maharshi Dayanand University, Rohtak	Rohtak	13/09/2021 to 17/09/2021

(f) National/International Webinars Attended

Name of Faculty	Title of Webinar	Host organization	Dates/Duration
Prof. Munish Ahuja	In silico ADME modeling in drug discovery process	Department of Pharmacy, PIET Samalkha, Haryana	18h Jan, 2022.

(g) Total number of Refresher/ Orientation Course/Webinar attended:

- i) Refresher Course :07
- ii) Orientation Course :NIL
- iii) Webinar :01
- iv) Total :08

(XIII) Association with National and State Level Bodies

(Give Faculty-wise details):

i) Membership of Professional Bodies:

Prof. Neeru Vasudeva

- (i) **Member of Professional Bodies:** Life member of APTI.
- (ii) **Member of Expert Committee:** Member of NAAC peer team.
- (iii) **Member of Expert Committee:** Subject expert at AICTE

Prof. Sunil Sharma

- Life member of Indian Pharmacological Society, Society of Pharmacovigilance, Indian Hospital Pharmacists Association (IHPA)

Prof. Munish Ahuja

- Membership of Professional Bodies: Life Member of The Indian Pharmaceutical Association (IPA), Indian Hospital Pharmacists Association (IHPA), Indian Pharmacy Graduate Association (IPGA), Society of Pharmacovigilance India (SOPI)

Prof. Dinesh Dhingra

- **Member of Professional Bodies:** Life member of Indian Pharmacological Society, APTI, Panjab University Alumni Association.

Dr. Ashwani Kumar

- Member of Professional Bodies: Life member of IPGA

Dr. Vikram Jeet Singh

- Membership of Professional Bodies: Life Member of The Association of Pharmaceutical Teachers of India (APTI No. HA/LM-222), Indian Hospital Pharmacists Association (IHPA).

ii) **Member of Expert Committees:**

NAAC- Prof. Neeru Vasudeva, Prof. Sandeep Jain

iii) **Member of Academic Bodies of other institutions:**

BOS- Prof. Sumitra Singh (Bhagat Phool Singh Mahila Vishwavidyalaya)

iv) **Any Other**

(XIV) Detail of Consultancy Project/ Work in Department: NIL

Name of Faculty	Title of the project /work	Name of Agency	Total Amount

(XV) Lectures (other than class) (Invited talks/Extension Lectures) delivered (Give Faculty wise detail)

Prof. Dinesh Dhingra

Type	Topic/ Subject	Institution	Dates
Invited talk	Drug Discovery from Medicinal Plants and Bioactive Compounds for the Management of Depression	Dept. of Pharmaceutical Sciences, Gurukul Kangri Vishwavidyalaya, Haridwar	25 th September, 2021
Invited talk	Ethical aspects, Handling and Uses of Small Laboratory Animals in Pre-Clinical Research	Human Resource Development Centre, Guru Jambheshwar University of Science and Technology, Hisar	17 th September, 2021

Prof. Munish Ahuja

Type	Topic/ Subject	Institution	Dates
Invited talk	Recent Advances in Ocular Drug Delivery	Human Resource Development	16-09-2021 to 29-09-2021

		Centre, Guru Jambheshwar University of Science and Technology, Hisar	
Invited talk	HPLC: Instrumentation, Method development and Validation	Human Resource Development Centre, Guru Jambheshwar University of Science and Technology	07.02.2022-19.02.2022

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

Sr. No.	Name of Teacher	Additional Positions	Duration	
			From	To
1	Prof. Sumitra Singh	Presiding officer ICC	17 January, 2021	16 January, 2022
		Member ICC	January, 2018	Continuing
		Member, Academic Council	February, 2022	January, 2021
		Governor nominee in Elective Council, of Bhagat Phool Singh Mahila Vishwavidyalaya Khanpur Kalan, Sonipat	February, 2019	
2	Prof. D.C. Bhatt	Chief Vigilance Officer	July, 2016	Continuing
		Member of University Court	July, 2021	
3	Prof. Neeru Vasudeva	Dean	May, 2020	Continuing
		EC member	August, 2020	August, 2022
		IQAC member	December, 2021	Continuing
		AC member	March, 2020	Continuing
		Member of court	August, 2021	Continuing
4	Prof. Dinesh Dhingra	Director, Experimental Animal Facility, GJUS&T, Hisar	July, 2016	Continuing
5	Prof. Munish Ahuja	Member, medical committee	March, 2022	Continuing
6	Dr. Archana Kapoor	Member of Academic council		Continuing
7	Dr. Meenakshi Bhatia	Deputy Chief Warden, Coordinator, Working Women Hostel	July, 2021	Continuing
		NCC incharge (Girls Battalion)	January, 2017	
		Coordinator WWH	January, 2016	
8	Dr. Ashwani Kumar	NSS Program Coordinator	June 2022	Continuing
		ICC member	17 January, 2022	
9	Dr. Vikram Jeet Singh	Warden Boys Hostel -IV	April, 2016	Continuing
		NSS Program Officer	September, 2018	

		Member of OBC and minority cell	September,2021	
10	Dr. Manoj Kumar	Warden Boys Hostel -III	November,2014	Continuing
		Nodal officer, Driving Licence	July, 2019	Continuing

(XVII) Training /Internship/ Placement Activities information of the Department:

Activity	No. of Students	No. of Companies *
Training in company	04	03
In-house training	47	02
Placement	14	09

- **Note:- Please attach a list of companies alongwith number of students for training and placement with dates, etc..**

List of Companies:

Name of Company for placement	Number of students
1. IQVIA, Gurugram, Haryana	01
2. Innodata India Pvt. Ltd. Sector -62, Noida	06
3. Data Bridge Market Research	01
4. Prescient Healthcare Group, Gurugram	01
5. Synmedic Laboratories, Gurugram	01
6. Fresenius kabi, Gurugram	01
7. Curadev, Noida	01
8. WNS Global Services, Gurugram	01
9. Clinical Reseach Coordinator, Aadhar hospital, Hisar	01

Name of Company for training/ internship	Number of students
1. All India Institute of Medical Sciences, New Delhi	02
2. Ind – Swift Limited, Derrabassi, Mohali	01
3. Scott Edil Pharmacia Ltd, Chandigarh	01

Name of Company for in-house training/ internship	Number of students
1. Campus Recruitment Training (CRT) Program	43
2. Mahindra Pride Classroom's Employability Enhancement Training Program by Nandi Foundation	04

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

i Seminar/Conference/Refreshers course/Workshop/Training Programme

Name of the Event	National/International	Number of participants	Dates/ Duration
-	-	-	-

ii. Extension lecture: 2

Topic	Resource Person	Number of Participants	Dates
Oral Toxicity Studies	Dr. Deepak	35	23-01-2022
TB Awareness Program	Dr. Akashy Duhan Dr Kuldeep Dabla Mr Mandeep	150	6-12-2021

iii. Students tour

Places Visited	Number of Participants	Dates/ Duration	Faculty Incharge
-	-	-	-

iv. Industry interaction programmes :

Name of the Event	Name of the Industry	Name of the Participants	Dates/ Duration
Drugs and Their Regulators	Drug Control Department, Kota	75	16/10/2021
Research Analytics: Job Opportunities in Current Scenario	Consultant, Pharmaceutical Industry, Canada	35	05/02/2022
Know Your Potential	Agile Integrated Business Solutions	65	04/03/2022

(XIX) Awards/ Honours received by Faculty : NIL

Name of the Teacher	Title of the Award	Name of the Awarding Agency	National / International	Date Conferred
-	-	-	-	-

(XX) Any other important Information/ Achievement of the Department: Ranked 33 in Pharmacy Category by National Institutional Ranking Framework (NIRF)**Signature of the Chairperson**

ANNEXURE**DEPARTMENT OF PHARMACEUTICAL SCIENCES****Summary of Research Publications:**

Total Books Published	Books published with International publisher	Books published with National publisher	-
03	02	0	
Total Research papers published in Journals	Total Published in UGC-CARE List Group 1 (Journals found qualified through UGC-CARE protocols)	Total Published in UGC-CARE List Category 2 (Journals Indexed in WOS/Scopus)	Highest Impact Factor
65	02	60	7.088
Total Number of Papers Published in Conferences	Total published in Scopus/WOS indexed Conferences	Total published in non-indexed Conferences	-
-	-	-	-
Total number of funded research projects	Completed	Ongoing	-
-	-	-	-
TOTAL NUMBER OF SCHOLARS REGISTERED in PH.D. PROGRAMME	PhD. Degree submitted	PhD. Degree awarded	-
05	13	02	-

Signature of the Chairperson

ANNEXURE**DEPARTMENT OF PHARMACEUTICAL SCIENCES**

Overall recommendations of the Chairperson based on the Annual Report and Academic & Research plan for the next year, through Academic Committee of the Department.

Signature of the Chairperson