



Jan-Jun 22

Bi-Annual REPORT



► From the Desk of Dean



These are times of great pain, but also of great possibility.

As dean of Chitkara College of Pharmacy, I would like to express my gratitude to the CCP family for their outstanding achievements from "bench to bedside," which reflect our cooperative alliances. It's very easy, and it's certainly understandable, to feel exhausted and defeated by the challenges among us, but everyone of us are still engaged in research and teaching that contributes directly to finding solutions for our world on fire.

I want to congratulate everyone associated with CCP for making this session successful through their commitment and hard work, as well as by their camaraderie and professionalism, which helped to uphold the culture and legacy of CCP and helped the team to achieve NIRF top 20 ranking.

I will always be thankful for the efforts that the faculty and staff of our college have done for Chitkara College of Pharmacy. Also, I am optimistically excited about the future prospects of what we will achieve together in the upcoming years.

Dr. Thakur Gurjeet Singh
Dean, CCP



Editor's Note

It gives us immense pleasure in bringing out the Bi-Annual Report for the Session Jan-June '22, which is going to surely unfold the unraveled world of the most unforgettable and precious moments of our institution.

The passion of CCP's faculty for discovery has led them to some unusual places, and this magazine is the result of a tonne of hard work by every member of our pharmacy family.

This gazette includes several highlights, such as the patents filed by the faculty, as well as numerous activities that they have organised and took part in.

Much has been done in the past history of CCP and still more needs to be done in the years to come.

We anticipate the successful publication of our magazine and appreciate your feedback or reviews.



Dr. Arun Kumar



Dr. Manjinder Singh



Dr. Rajwinder Kaur



Dr. Deepinder Singh

From the Student's Desk

Being a member of CCP is an incredible honour and source of pride.

Every day we've spent at CCP has always been special. It provides us with one-of-a-kind experiences. We appreciate the help and guidance we received from our parents and teachers along the way.

Our instructors and staff never fail to inspire us, and their assistance is invaluable. We are grateful to the college for believing in us and giving us the opportunity to demonstrate our abilities.

The college has changed our personalities, and our future goals have become clearer. We are grateful to the college for providing guidance and inspiration to help us achieve our objectives.

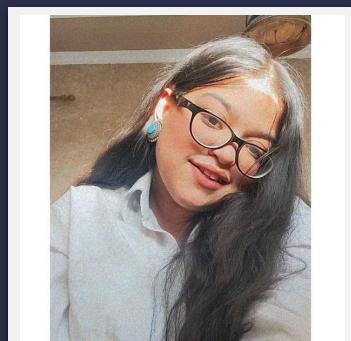
That day is not far away when people will remember us with the name of CCP.



Kaushal: Graphic Designer



Anshika: Student Coordinator



Tavishi: Student Coordinator



Chitkara College of Pharmacy

Ranked
"20th"

All Over India 2022

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Worth Mentioning Activities



Dr. Rajni Bala, Professor and Deputy Dean, Chitkara College of Pharmacy (CCP) delivered an expert talk on Topics "Vaccine Drug Delivery" and "Proteins and Peptides drug delivery" organized by GHG Khalsa college of Pharmacy, Ludhiana, Punjab, India on 12 Jan 2022 and 22 Jan 2022.

Dr. M. V. N. L. Chaitanya, Associate Professor, Chitkara College of Pharmacy (CCP) Participated as Resource person for 7 days National Level e-FDP program on "Recent Trends in Herbal Drug Discovery" organized by Yenepoya Pharmacy College and Research Centre, Mangalore on 4th February 2022 and also Delivered a talk on High Throughput techniques in Natural product anticancer drug discovery.

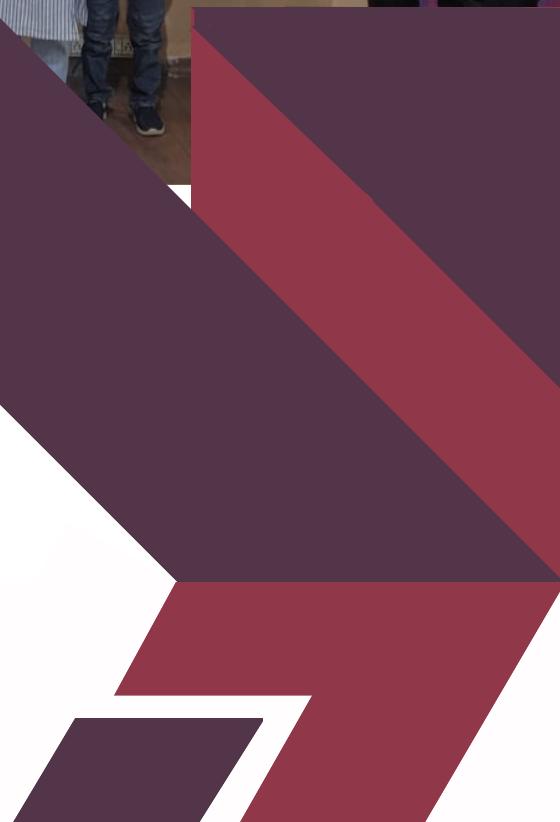
Dr. Rajwinder Kaur, Associate Professor, Chitkara College of Pharmacy (CCP) secured First Position in Dart Board Competition organized by Chitkara University Sports Board on 05.02.2022.





Expert Talk delivered by Dr. Nidhi Rani, Associate Professor, Chitkara College of Pharmacy (CCP) on the topic “Design, Synthesis, Molecular Modelling and Biological Evaluation of Some Imidazole Derivatives” at an International Conference organised by KC college of Pharmacy, Nawanshahr, Punjab, India on 31 March 2022.

Dr. Nidhi Rani, Associate Professor, Chitkara College of Pharmacy (CCP), Participated as Judge for oral presentation at an International Conference organised by KC college of Pharmacy, Nawanshahr, Punjab, India on 31 March 2022.



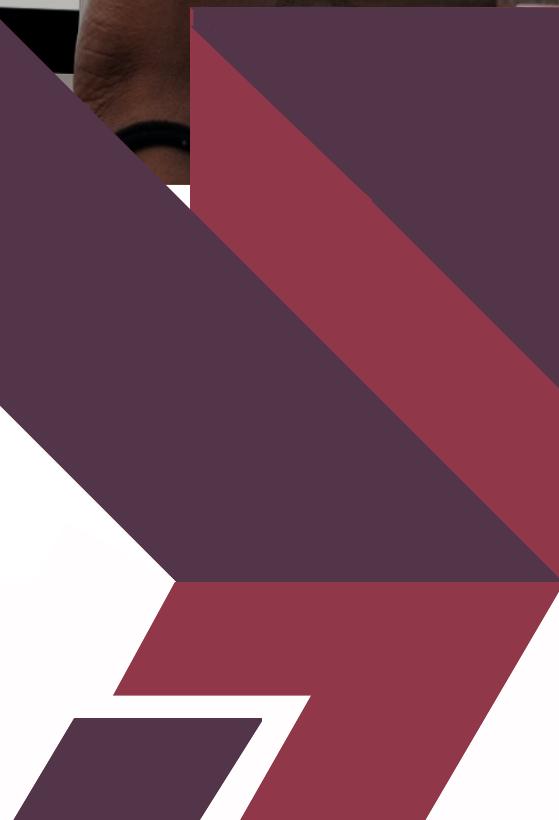
International Editorial Board

Arun Kumar
Chitkara College of Pharmacy, Chitkara University, Punjab, India

Biomaterials

scholar.google.com/citations?hl=en&user=5gSMccAAAAJ&view_op=list_works&sort_by=pub_date
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h-index: 15

Dr. Arun Kumar, Chitkara College of Pharmacy (CCP) joined the editorial board of journal “Material Chemistry Horizon” and is a quarterly peer-reviewed scientific, open-access journal publishing original research articles, review articles, and rapid communications in all fields of materials chemistry.



FBSDPS CLUB of Chitkara College of Pharmacy organized a Webinar on “Orphan Drugs” in collaboration with National Service Scheme department on 28 February 2022 during RARE DISEASE DAY 2022

FBSDPS CLUB of Chitkara College of Pharmacy organized a Webinar on “Cancer Awareness” in collaboration with National Service Scheme department on 04 February 2022 during WORLD CANCER DAY 2022

FBSDPS CLUB of Chitkara College of Pharmacy organized a Poetry Competition on “NATIONAL GIRL CHILD DAY 2022” in collaboration with National Service Scheme department on 24 January 2022.

Expert Talk

S. No.	Name of Faculty	Topic of Lecture	Date	Venue
1	Dr. Nidhi Rani	Design, Synthesis, Molecular Modelling and Biological Evaluation of Some Imidazole Derivatives	31 March 2022	KC College of Pharmacy, Nawanshahr, Punjab
2	Dr. Rajni Bala	Delivery of Protein and Peptides	12 Jan 2022	GHG Khalsa college of Pharmacy, Ludhiana, Punjab
3	Dr. Rajni Bala	Vaccine drug delivery	22 Jan 2022	GHG Khalsa college of Pharmacy, Ludhiana, Punjab

Faculty Achievements

FACULTY ACHIEVEMENTS

S. No.	Name of Faculty	Achievement
1	Shaima K A	Completed PhD viva voice.
2	Dr. Nidhi Rani	Appointed as editorial board member of Journal of drug design and Medicinal chemistry on 4th March 2022.
3	Dr. Nidhi Rani	Appointed as Reviewer of Journal of Pharmaceutical research international.
4	Dr. Nidhi Rani	Appointed as Reviewer of South Asian Journal of Parasitology.
5	Dr. Nidhi Rani	Appointed as Reviewer of Asian Journal in Zoology.
6	Dr. Nidhi Rani	Appointed as Judge for oral presentation at international conference organized at KC college of Pharmacy, Nawanshahr.
7	Dr. M V N L Chaitanya	Participated as Resource person for 7 days National Level e-FDP program on "Recent Trends in Herbal Drug Discovery" organized by Yenepoya Pharmacy College and Research Centre, Mangalore on 4th February 2022.
8	Dr. Arun Kumar	Member of Scientific Committee of "Special Topic Issue: Nano-Biomedicine" in Journal Clinical and Translational Discovery by Wiley Online.
9	Dr. Arun Kumar	Joined the editorial board of Journal "Material Chemistry Horizon" and is a quarterly peer-reviewed scientific, open-access, journal publishing original research articles, review articles, and rapid communications in all fields of materials chemistry.
10	Dr. Reecha Madaan	Resource person in national conference cum workshop termed "Post Covid 19 Pandemic era: Prospective shift towards clinical and Translational Research organised by Punjabi University Patiala on 16-17th March 2022.
11	Dr Rajwinder Kaur	Secured First Position in Dart Board Competition organized by Chitkara University Sports Board on 05.02.2022.
12	Dr Anju Goyal	Post Covid-19 Pandemic Era: Prospective Shift towards Clinical and Translational Research" at Department of Pharmaceutical Sciences and Drug Research, Punjabi University, Patiala, Punjab (Oral Presentation Evaluator).
13	Dr. Rajni Bala	Post Covid-19 Pandemic Era: Prospective Shift towards Clinical and Translational Research" at Department of Pharmaceutical Sciences and Drug Research, Punjabi University, Patiala, Punjab (Oral Presentation Evaluator).
14	Dr. Madhukar Garg	Post Covid-19 Pandemic Era: Prospective Shift towards Clinical and Translational Research" at Department of Pharmaceutical Sciences and Drug Research, Punjabi University, Patiala, Punjab (Oral Presentation Evaluator).
15	Dr. Varinder Singh	Post Covid-19 Pandemic Era: Prospective Shift towards Clinical and Translational Research" at Department of Pharmaceutical Sciences and Drug Research, Punjabi University, Patiala, Punjab (Oral Presentation Evaluator)
16	Dr. Gaaminepreet Singh	Reviewed manuscript No. cjmp-2022-0022 for Canadian Journal of Physiology and Pharmacology, NRC press.

Faculty Awards

AWARDS

ACHIEVED BY FACULTY

S. No.	Name of Faculty	Name of Award	Date	Awarding Agency
4	Dr. Manjinder Singh	Certificate of Appreciation Award for outstanding contribution in coordination Zonal Centre Program on CADD	12th-20th Feb, 2022	Zonal Championship & E-Cell IIT Khargpur
6	Dr. Rajwinder Kaur	Certificate of Appreciation Award for outstanding contribution in coordination Zonal Centre Program on CADD	12th-20th Feb, 2022	Zonal Championship & E-Cell IIT Khargpur
9	Dr. Thakur Gurjeet Singh	Memento of Honour	31st May, 2022	Adesh Institute of Pharmacy & Biomedical Sciences, Adesh University, Bathinda
10	Dr. Thakur Gurjeet Singh	Award of Appreciation	14th May, 2022	APTI, Punjab Branch
11	Dr. Reecha Madaan	Certificate of Appreciation	4th March, 2022	Punjab State Pharmacy Council. Mohali
12	Dr. Thakur Gurjeet Singh	Certificate of Appreciation	4th March, 2022	Punjab State Pharmacy Council. Mohali



Workshops/IOHC/Seminars

attended by faculty



WORKSHOPS/IOHC/SEMINAR

ATTENDED BY FACULTY

S. No.	Name of Faculty	Name of Workshop/ STTP/ IOHC/ Seminar	Date	Venue
1	Dr. Arun Kumar	Mini Symposium on "Molecular interactions and separation science for the development of innovative technologies for Biopharmaceuticals"	23 Feb 2022	Online by Centre for Bio Separation Technology (CBST)-VIT, Vellore
2	Dr. Arun Kumar	Workshop on "2D material for Biomedical Applications"	27 Jan 2022 to 28 Jan 2022	Online by University of Porto, Portugal and University of Texas at Austin, USA
3	Dr. Arun Kumar	Participated as Delegate in National conference-cum-workshop "Post Covid-19 Pandemic Era. Prospective shift towards clinical and Translational Research"	16 March 2022 to 17 March 2022	Department of Pharmaceutical Sciences and drug research, Punjabi University, Patiala
4	Dr. Nidhi Rani	Attended first international webinar series on artificial intelligence in Drug Discovery	16 Feb 2022 to 18 Feb 2022	SVKPM Institute of Pharmacy, Dhule
5	Dr. Deepika Raina	Recent advances in nanoscience and nanotechnology by AICET	17 Jan 2022 to 21 Jan 2022	Online
6	Dr. Deepika Raina	EDP on fostering Start-up, Innovation and Entrepreneurship/Intrapreneurship" at Andhra University	14 Feb 2022 to 18 Feb 2022	Online
7	Dr. Deepinder Singh	EDP on fostering Start-up, Innovation and Entrepreneurship/Intrapreneurship" at Andhra University	14 Feb 2022 to 18 Feb 2022	Online
8	Dr Anju Goyal	Guest Lecture on National Pharmacist Day	12 Jan 2022	Online
9	Dr Anju Goyal	Current Advances in Pharmaceutical Industry and Development	10 March 2022 to 12 March 2022	Online
10	Dr Anju Goyal	Three Days National Conference on "Entrepreneurship and Start-up Opportunities in Herbal Drugs" organised by MDU, Rohtak	8 March 2022 to 10 March 2022	Online
11	Dr Anju Goyal	Optimisation Techniques for in-process Quality Control of Ayurvedic Formulations organised by Bhupal Nobel University, Rajasthan	26 Feb 2022	Online
12	Dr. M V N L Chaitanya	Webinar on Interpretation of HPTLC data in Forensic Analysis	6 April 2022	Online, Organised by Anchrom enterprises, Mumbai
13	Dr. M V N L Chaitanya	Webinar on Interpretation of HPTLC data in food analysis	9 Feb 2022	Online, Organised by Anchrom enterprises, Mumbai
14	Dr. M V N L Chaitanya	International webinar on the road from lab research to commercialization	12 Jan 2022	Online, Organised by department of bioscience and biotechnology, Banasthali Vidyapeeth, Rajasthan
15	Dr. Rajni Bala	Three Days National Conference on "Entrepreneurship and Start-up Opportunities in Herbal Drugs" organised by MDU, Rohtak	8 March to 10 March 2022	Online
16	Dr. Rajni Bala	Optimisation Techniques for in-process Quality Control of Ayurvedic Formulations organised by Bhupal Nobel University, Rajasthan	26 Feb 2022	Online

WORKSHOPS/IOHC/SEMINAR

ATTENDED BY FACULTY

S. No.	Name of Faculty	Name of Workshop/ STTP/ IOHC/ Seminar	Date	Venue
1	Dr. Ritchu Babbar	Workshop on "Post Covid -19 Pandemic Era- Prospective shift towards clinical and translational research"	16 March 2022 to 17 March 2022	Department of Pharmaceutical Sciences and Drug Research, Punjabi University, Patiala
2	Dr Inderbir Singh	Dissolution Discussion Group	16 March 2022 to 17 March 2022	Online, Agilent
3	Dr Inderbir Singh	Workshop on "Post Covid -19 Pandemic Era- Prospective shift towards clinical and translational Research"	16-17 March 2022	Department of Pharmaceutical Sciences and Drug Research, Punjabi University, Patiala
4	Dr Reecha Madaan	Optimisation Techniques for in-process Quality Control of Ayurvedic Formulations organised by Bhupal Nobel University, Rajasthan	26 Feb 2022	Online
5	Dr. Gaaminepreet Singh	Poster presentation in German Pharm-Tox Summit 2022, Title: Calcium sensing receptor antagonist NPS-2143 antagonist attenuates acute kidney injury in caecal ligation puncture induced sepsis model	7 March 2022 to 10 March 2022	88th Annual Meeting of the German Society for Experimental and Clinical Pharmacology and Toxicology (DGPT)
6	Dr. Gaaminepreet Singh	Poster presentation in GERMAN PHARM-TOX SUMMIT 2022, Title: Type-IV phosphodiesterase inhibition followed by ischemic postconditioning ameliorates ischemia reperfusion-induced acute kidney injury in rats	7 March 2022 to 10 March 2022	88th Annual Meeting of the German Society for Experimental and Clinical Pharmacology and Toxicology (DGPT)

Journals & Publications

S. No.	Paper Title	Name of the Journal	International /National	Author's Name	ISSN No.	Month & Year of Publish	Page No.
1	Bioactive Based Cosmeceuticals: An Update on Emerging Trends	Molecules	International	Anju Goyal, Aditya Sharma, Jasapreet Kaur, Sapna Kumari, Madhukar Garg, Rakesh K. Sindhu,	1420-3049	Jan 2022	2-28
2	Molecular Modelling Study for the Evaluation of Natural Compounds as Potential Lanosterol 14 α -demethylase Inhibitors	Letters in Drug Design & Discovery	International	Nidhi Rani, Randhir Singh, Praveen Kumar	1570-1808	Jan 2022	459 – 471
3	Plant derived Immunomodulators; A critical review	Advanced Pharmaceutical Bulletin (APB)	International	Swaroop AK, Chaitanya MVNL, Meena S, Subramanian G, Natarajan J, Selvaraj J.	2228-5881	Jan 2022	1 – 18
4	Phytochemical Investigation and Cytotoxic Profile of Genistein Isolated from the <i>Cytisus scoparius</i> Linn. on Topoisomerase II,	Current Bioactive Compounds	International	Chaitanya MVNL, Narendra PK, Firehiwot BU, Dhanabal P, Jubie S, Prabha T,	1573-4072	Jan 2022	100-12
5	A systematic review on 1, 4-dihydropyridines and its analogues: An elite scaffold	Biointerface research in applied Chemistry	International	Ritchu Babbar, Annriya, Sonia Dhiman, Thakur Gurjeet Singh	2069-5837	Jan 2022	3117-3134
6	Development and characterization of oro-dispersible tablets of metformin hydrochloride using cajanus cajan starch as a natural super disintegrant	International Journal of applied Pharmaceutics	International	Sonia Dhiman, Ritchu Babbar, Sandeep Arora, Thakur Gurjeet Singh	0975-7058	Jan 2022	139-147
7	General Aspects, Applications, and Recent Advancements of 1, 2-Disubstituted Benzimidazole Mannich Bases: A Privileged Scaffold	ECS Transactions	International	Swikriti, Ritchu Babbar, Sandeep Arora	1938-6737	Jan 2022	10631-10641
8	Compendious Review on Bioactive Constituents and Pharmacotherapeutic Profile of <i>Heliotropium indicum</i> Linn	The Natural Product Journal	International	Sonia Pahuja, Madhukar Garg, Tripta Kumari, Shiveena Bhatia, Prerna Sarup	2210-3155	Jan 2022	38-53
9	An extensive review on phytochemistry and pharmacological activities of Indian medicinal plant <i>Celastrus paniculatus</i> Willd	Phytotherapy Research	International	Kajal Nagpal, Madhukar Garg, Deepshi Arora, Abhilasha Dubey, Ajmer Singh Grewal	1099-1573	Jan 2022	1-22
10	Development and Evaluation of MCC-SiO ₂ /CMC-SiO ₂ Conjugates as Tablet Super-Disintegrants	Polymers	International	Tanikan Sangnim, Simran Kaur Zandu, Sukhanpreet Kaur, Oluwatoyin A. Odeku, Kampanart Huanbutta, Inderbir Singh	2073-4360	Jan 2022	1035
11.	Development and Evaluation of Liquid Plaster Loaded with <i>Chromolaena odorata</i> Leaf Extract Endowed with Several Beneficial Properties to Wound Healing	Gels	International	Tanikan Sangnim, Parinya Meeboon, Parinda Phongsewalak, Parichat Prasongdee, Pornsak Sriamornsak, Inderbir Singh, Suwiset Manmuan, Kampanart Huanbutta	2310-2861	Jan 2022	72

S. No.	Paper Title	Name of the Journal	International /National	Author's Name	ISSN No.	Month & Year of Publish	Page No.
12	Preparation and Evaluation of Chitosan/PVA Based Hydrogel Films Loaded with Honey for Wound Healing Application	Gels	International	Hitesh Chopra, Shabana Bibi, Sandeep Kumar, Muhammad Saad Khan, Pradeep Kumar, Inderbir Singh	2310-2861	Jan 2022	111
13	New insights into quercetin nanoformulations for topical delivery	Phytomedicine Plus	International	Karan Wadhwa, Varsha Kadian, Vivek Puri, Bigul Yogeshvar Bhardwaj, Ameya Sharma, Rakesh Pahwa, Rekha Rao, Madhu Gupta, Inderbir Singh	2667-0313	Jan 2022	100257
14	A Review on Co-crystals of Herbal Bioactive for Solubility Enhancement: Preparation Methods and Characterization Techniques	Crystal Growth and Design	International	Ritu Rathi, Sukhanpreet Kaur, Inderbir Singh	1528-7505	Jan 2022	2023-2042
15	Strategies and Therapies for Wound Healing: A Review	Current Drug Targets	International	Hitesh Chopra, Sandeep Kumar, Inderbir Singh	1873-5592	Jan 2022	87-98
16	Essential Oils in Treatment and Management of Dental Diseases	Biointerface Research in Applied Chemistry	International	Inderbir Singh, Parneet Kaur, Udesh Kaushal, Vimanpreet Kaur, Navendu Shekhar	2069-5837	Jan 2022	7267-7286
17	Mitochondrial dysfunction in Alzheimer's disease: Opportunities for drug development	Current Neuropharmacology	International	Shiveena Bhatia, Rishi Rawal, Pratibha Sharma, Tanveer Singh, Manjinder Singh and Varinder Singh	1570-159X	Jan 2022	675 – 692
18	An update on pathophysiology and treatment of sports mediated brain injury	Environmental Science and Pollution Research	International	Sunishta Kalra, Rittu Banderwal, Kaushal Arora, Sandeep Kumar, Govind Singh, Pooja A Chawla, Tapan Behl, Aayush Sehgal, Sukhbir Singh, Saurabh Bhatia, Ahmed Al-Harrasi, Lotfi Aleya, Anju Dhiman	9441344	Jan 2022	1-13
19	Flavonoids, the Family of Plant-derived Antioxidants making inroads into Novel Therapeutic Design against IR-induced Oxidative Stress in Parkinson's Disease	Current Neuropharmacology	International	Tapan Behl, Gagandeep Kaur, Aayush Sehgal, Gokhan Zengin, Sukhbir Singh, Amirhossein Ahmadi, Simona Bungau	18756190	Jan 2022	324-43
20	Recent Updates on Development of Protein-Tyrosine Phosphatase 1B Inhibitors for Treatment of Diabetes, Obesity and Related Disorders	Bioorganic Chemistry	International	Sukhbir Singh, Ajmer Singh Grewal, Rupanshi Grover, Neelam Sharma, Bhawna Chopra, Ashwani Kumar Dhingra, Sandeep Arora, Sonika Redhu, Viney Lather	10902120	Jan 2022	105626
21	Anti-migraine activity of Freeze Dried-Latex obtained from Calotropis gigantea Linn	Environmental Science and Pollution Research	International	Saurabh Bhatia, Ahmed Al-Harrasi, Arun Kumar, Tapan Behl, Aayush Sehgal, Sukhbir Singh, Neelam Sharma, Khalid Anwer, Deepak Kaushik, Vineet Mittal, Sridevi Chigurupati Pritam Babu Sharma, Lotfi Aleya, Celia Vargas-de-la-Cruz, Md. Tanvir Kabir	9441344	Jan 2022	1-9

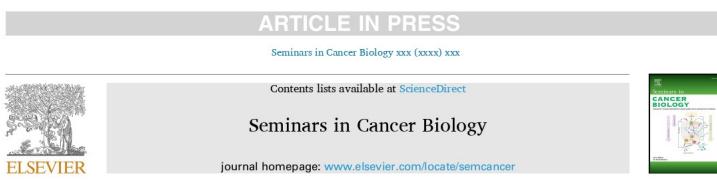
S. No.	Paper Title	Name of the Journal	International /National	Author's Name	ISSN No.	Month & Year of Publish	Page No.
22	Elucidating the Neuroprotective Role of PPARs in Parkinson's Disease: A Neoteric and Prospective Target	International Journal of Molecular Sciences	International	Tapan Behl, Piyush Madaan, Aayush Sehgal, Sukhbir Singh, Neelam Sharma, Saurabh Bhatia, Ahmed Al-Harrasi, Sridevi Chigurupati, Ibrahim Alrashdi, Simona G Bungau	1422-0067	Jan 2022	10161
23	Investigation of the Molecular Role of Brain Derived Neurotrophic Factor in Alzheimer's Disease	Journal of Molecular Neuroscience	International	Pragya Girotra; Tapan Behl; Aayush Sehgal; Sukhbir Singh; Simona Bungau	1044-7393	Jan 2022	173-86
24	Involvement of Molecular Chaperone in Protein-Misfolding Brain Diseases	Biomedicine & pharmacotherapy	International	Tapan Behl, Nitu L. Wankhede; Mayur B. Kale; Aman B. Upagunlawar; Brijesh G. Taksande; Milind J. Umekar; Ahmed A. H. Abdellatif; Prasanna Mohana Bhaskaran; Sudharshan Reddy Dachani; Aayush Sehgal; Sukhbir Singh, Neelam Sharma, Hafiz A. Makeen; Mohammed Albratty; Saurabh Bhatia; Ahmed Al-Harrasi; Simona Bungau	7533322	Jan 2022	112647
25	"Aducanumab" Making a Comeback in Alzheimer's Disease: An Old Wine in a New Bottle	Biomedicine & pharmacotherapy	International	Tapan Behl, Ishnoor Kaur, Aayush Sehgal, Sukhbir Singh, Neelam Sharma, Hafiz A Makeen, Mohammed Albratty, Hassan A Alhazmi, Shatha Ghazi Felemban, Amal M Alsubayiel, Saurabh Bhatia, Simona Bungau	7533322	Jan 2022	112746
26	The Genus Alternanthera: Phytochemical and Ethnopharmacological Perspectives	Frontier in Pharmacology	International	Rajeev K. Singla, Vivek Dhir, Reecha Madaan, Deepak Kumar, Simranjit Singh Bola, Monika Bansal, Suresh Kumar, Ankit Kumar Dubey, Shailja Singla, Bairong Shen	1663-9812	Jan 2022	1-55
27	Bergenin - A Biologically Active Scaffold: Nanotechnological Perspectives	Current Topics in Medicinal chemistry	International	Reecha Madaan, Rajeev K Singla, Suresh Kumar, Ankit Kumar Dubey, Dinesh Kumar, Pooja Sharma, Rajni Bala, Shailja Singla, Bairong Shen	1873-4294	Jan 2022	132-149
28	Vitamin D as therapeutic modulator in cerebrovascular diseases: a mechanistic perspective	Critical Reviews in Food Science and Nutrition	International	Vivek Rihal, Heena Khan, Amarjot Kaur, Thakur Gurjeet Singh	1040-8398	Jan 2022	1-23
29	Neuropeptides: Potential neuroprotective agents in ischemic injury	Life sciences	International	Priyanka Saklani, Heena Khan, Saurabh Gupta, Amarjot Kaur, Thakur Gurjeet Singh	0024-3205	Jan 2022	120186
30	Mechanistic Insight on Autophagy Modulated Molecular Pathways in Cerebral Ischemic Injury: From Preclinical to Clinical Perspective	Neurochemical Research	International	Palak Kalra, Heena Khan, Amarjot Kaur, Thakur Gurjeet Singh	3643190	Jan 2022	825-843

S. No.	Paper Title	Name of the Journal	International /National	Author's Name	ISSN No.	Month & Year of Publish	Page No.
31	Therapeutic implications of cyclooxygenase (COX) inhibitors in ischemic injury	Inflammation Research	International	Heena Khan, Kunal Sharma, Amit Kumar, Amarjot Kaur, Thakur Gurjeet Singh	1023-3830	April 2022	
32	Calpain Inhibitors as Potential Therapeutic Modulators in Neurodegenerative Diseases	Neurochemical Research	International	Heena Khan, Nikhil Garg, Thakur Gurjeet Singh, Amarjot Kaur, Komal Thapa	0364-3190	April 2022	
33	Isolation of Pleurotus florida derived acetylcholinesterase inhibitor for the treatment of cognitive dysfunction in mice	Food Science and Human Wellness	International	Kudrat Randhawa, Varinder Singh, Sanimardeep Kaur, Ravinder Kaur, Suresh Kumar, Richa Shri	2213-4530	April 2022	
34	Comprehensive Review on Therapeutic and Phytochemical insights of Diosmetin: A Promising Moiety	Current topics in medicinal chemistry	International	Madhukar Garg, Sushil Kumar Chaudhary, Anju Goyal, Prerna Sarup, Sapna Kumari, Nidhi Garg, Lavish Vaid, Shiveena Bhatia	1568-0266	April 2022	
35	Mechanistic Insight into Diosmin-Induced Neuroprotection and Memory Improvement in Intracerebroventricular-Quinolinic Acid Rat Model: Resurrection of Mitochondrial Functions and Antioxidants	Evidence-Based Complementary and Alternative Medicine	International	Mian Huang, Navpreet Singh, Ritu Kainth, Mohammad Khalid, Ajay Singh Kushwah, Manish Kumar	1741-4288	April 2022	
36	Curative Potency of Medicinal Plants in Management of Eczema: A Conservative Approach	Phyomedicine Plus	International	Poonam Arora a., Bhatia Shiveena a, Madhukar Garg a, Sapna Kumari a, Anju Goyal	2667-0313	April 2022	
37	Therapeutic Approaches for the Management of Autoimmune Disorders via Gene Therapy: Prospects, Challenges and Opportunities	Current Gene Therapy	International	Rakesh K. Sindhu*, Piyush Madaan, Parteek Chandel, Rokeya Akter, G. Adilakshmi, Md. Habibur Rahman	18755631	April 2022	
38	Natural Products as Sources of Multitarget Compounds: Advances in the Development of Ferulic Acid as Multitarget Therapeutic	current topics in medicinal chemistry	International	Rajwinder Kaur, Ankita Sood1, Damanpreet Kaur Lang, Rashmi Arora, Neeraj Kumar, Vishal Diwan and Balraj Saini	1568-0266	April 2022	
39	IMPLICATION OF COVID-19 ON NEUROLOGICAL COMPLICATIONS WITH SPECIFIC EMPHASIS ON ALZHEIMER S AND PARKINSONS DISEASE	CNS & Neurological Disorders - Drug Targets	International	Ankita Sood, Ravi Goyal, Harshdeep Singh, Tapan Behl, Sandeep Arora, Balraj Saini and Rajwinder Kaur	18715273	April 2022	
40	Targeting natural products against SARS-CoV-2	Environmental Science and Pollution Research	International	Ahmed Al-Harrasi, Tapan Behl, Tanuj Upadhyay, Sridevi Chigurupati, Shvetank Bhatt, Aayush Sehgal, Saurabh Bhatia, Sukhbir Singh, Neelam Sharma, Shantini Vijayabalan, Vasantha Raj Palanimuthu, Suprava Das, Rajwinder Kaur, Lotfi Aleya, Simona Bungau	1614-7499	April 2022	

S. No.	Paper Title	Name of the Journal	International /National	Author's Name	ISSN No.	Month & Year of Publish	Page No.
41	Relevance of Aromatase Inhibitors in Breast Cancer Treatment	Current Topics in Medicinal Chemistry	International	Ankita Sood, Damanpreet Kaur Lang, Rajwinder Kaur*, Balraj Saini, and Sandeep Arora	1568-0266	April 2022	
42	Restoration of the attenuated neuroprotective effect of ischemic post-conditioning in diabetic mice by SGLT inhibitor Phlorizin	Current Neurovascular Research	International	Viny Mehta, Amit Kumar, Amteshwar Singh Jaggi, Nirmal Singh	15672026	April 2022	
43	Pharmacological Evaluation of Thuja occidentalis for the attenuation of Neuropathy via AGEs & TNF- β inhibition in diabetic neuropathic rats	Environmental Science and pollution research	International	Shrey Kumar Bhargava, Thakur Gurjeet Singh*, Ashi Mannan, Shareen Singh, Manjinder Singh, Saurabh Gupta	1614-7499	April 2022	
44	Poly (ADP-ribose) polymerase: mechanistic overview on therapeutic opportunities in the management of stroke	Neurochemical Research	International	Palak Tiwari, Heena khan, Amarjot kaur grewal, Thakur Gurjeet singh	0364-3190	April 2022	
45	Pharmacological Postconditioning by Protocatechuic Acid Attenuates Brain Injury in Ischemia-Reperfusion (I/R) Mice Model: Implications of Nuclear Factor Erythroid-2-Related Factor Pathway	Environmental Science and pollution research	International	Heena Khan, Amarjot Kaur Grewal, Manish Kumar, Thakur Gurjeet Singh*	1614-7499	April 2022	
46	Poly (ADP-ribose) polymerase: mechanistic overview on therapeutic opportunities in the management of stroke	Neurochemical Research	International	Palak Tiwari, Heena khan, Amarjot kaur grewal, Thakur Gurjeet singh	0364-3190	April 2022	
47	Pharmacological Postconditioning by Protocatechuic Acid Attenuates Brain Injury in Ischemia-Reperfusion (I/R) Mice Model: Implications of Nuclear Factor Erythroid-2-Related Factor Pathway	Neuroscience	International	Heena Khan, Amarjot Kaur Grewal, Manish Kumar, Thakur Gurjeet Singh*	0306-4522	April 2022	
48	Therapeutic Implications of Sonic Hedgehog Pathway in Metabolic Disorders: Novel target for effective treatment	Pharmacological Research	International	Chahat Garg, Heena khan, Amarjot Kaur, Thakur Gurjeet Singh, Vivek Kumar Sharma, Sachin Kumar Singh	1043-6618	April 2022	
49	COMPARATIVE EVALUATION OF BGR-34 AND SITAGLIPTIN IN DIABETIC SUBJECTS-OPEN LABELLED RANDOMISED PARALLEL CLINICAL STUDY	serbian journal of experimental and clinical research	International	Ravinder Singh, Harbir Kaur Rao, Anil Sharma, Thakur Gurjeet Singh, Abhimanyu Parashar, Randhir Singh, Balraj Saini	2335-075X	April 2022	
50	Elucidating the role of hypoxia-inducible factor in rheumatoid arthritis	Inflammopharmacology	International	Essa M Sabi, Anuja Singh, Ziyad M Althafer, Tapan Behl, Aayush Sehgal, Sukhbir Singh, Neelam Sharma, Saurabh Bhatia, Ahmed Al-Harrasi, Hosam M Alqahtani, Simona Bungau	0925-4692	April 2022	

S. No.	Paper Title	Name of the Journal	International /National	Author's Name	ISSN No.	Month & Year of Publish	Page No.
51	An Extensive Review on Phytochemistry and Pharmacological Activities of Indian Medicinal Plant <i>Celastrus paniculatus</i> Willd.	Phytotherapy Research	International	Kajal Nagpal, Madhukar Garg, Deepshi Arora, Abhilasha Dubey, Ajmer Singh Grewal	0951-418X	April 2022	
52	Mitochondrial dysfunction in Alzheimer's disease: Opportunities for drug development	Current neuropharmacology	International	Heena Khan, Nikhil Garg, Thakur Gurjeet Singh, Amarjeet Kaur, Komal Thapa	1570-159X	April 2022	
53	Improvement of cognitive function in mice by <i>Citrus reticulata</i> var. kinnow via modulation of central cholinergic system and oxidative stress	Metabolic Brain Disease	International	Simran Pruthi, Karanpreet Kaur, Varinder Singh, Richa Shri	0885-7490	April 2022	
54	Mitochondrial dysfunction in Alzheimer's disease: Opportunities for drug development	Current Pharmaceutical Design	International	Shiveena Bhatia, Rishi Rawal, Pratibha Sharma, Tanveer Singh, Manjinder Singh, Varinder Singh	13816128	May 2022	
55	Improvement of cognitive function in mice by <i>Citrus reticulata</i> var. kinnow via modulation of central cholinergic system and oxidative stress	The Natural Product Journal	International	Simran Pruthi, Karanpreet Kaur, Varinder Singh, Richa Shri	2210-3163	May 2022	
56	Focus on the Multimodal Role of Biomarkers in Breast Cancer	Pharmaceutical Patent Analyst	International	Damanpreet K. Lang1, Ankita Sood Rajwinder Kaur, Rashmi Arora and Tapan Behl1,	2046-8954	May 2022	
57	Compendious Review on Bioactive Constituents and Pharmacotherapeutic Profile of <i>Heliotropium indicum</i> Linn.	The Natural Product Journal	International	Sonia Pahuja, Madhukar Garg, Tripta Kumari, Shiveena Bhatia, Preerna Sarup	2210-3163	May 2022	
58	Multicomponent crystal compromising Dasatinib and selected co-crystals formers: a patent evaluation of EP 2 861 589 B1	Pharmaceutical Patent Analyst	International	Ritu Rathi, Inderbir Singh	2046-8954	May 2022	
59	Green Metallic Nanoparticles: Biosynthesis to applications	Frontiers in Bioengineering and Biotechnology	International	H Chopra, S Bibi, I Singh, MM Hasan, MS Khan, Q Yousaf, AA Baig, MM Rahman, F Islam, TB Emran, S Cavalu	2296-4185	May 2022	
60	β -Lipoic Acid, an organosulfur biomolecule a novel therapeutic agent for Neurodegenerative disorders: An mechanistic perspective	Neurochemical Research	International	Heena Khan, Thakur Gurjeet Singh, Randhir Singh Dahiya, Mohamed M. Abdel-Daim	1573-6903	May 2022	
61	Bioactive Based Nanocarriers for the Treatment of Viral Infections and SARS-CoV-2	Nanomaterials	International	Ravi Goyal, Rajni Bala, Rakesh K. Sindhu, Mehrukh Zehravi, Reecha Madaan, Sarker Ramproshad, Banani Mondal, Abhijit Dey, Md. Habibur Rahman, and Simona Cavalu	2079-4991	May 2022	1-13
62	A Revisit to Etiopathogenesis and Therapeutic Strategies in Alzheimer Disease	Current Drug Targets	International	Manish Kumar, Nitin Bansal	1873-5592	June 2022	

S. No.	Paper Title	Name of the Journal	International /National	Author's Name	ISSN No.	Month & Year of Publish	Page No.
63	Therapeutic implications of Glucose Transporters (GLUT) in cerebral ischemia.	Neurochemical Research	International	Veerta Sharma, Thakur Gurjeet Singh, Ashi Mannan	1573-6903	June 2022	
64	A Comprehensive Review on Hydrogels	Current Drug Delivery	International	Hitesh Chopra, Inderbir Singh, Sandeep Kumar, Tania Bhattacharya, Md. Habibur Rahman, Rokeya Akter and Md. Tanvir Kabir	15672018	June 2022	
65	COSMECEUTICAL APTITUDES OF AZELAIC ACID	Current Drug Research Reviews	International	Supriya Kumari Singh, Saumya Chaubey, Anil Bansal, Gurpreet Kaur, Deepinder Singh Malik	2589-9783	June 2022	
66	Assessment of medication adherence among Type-2 Diabetes Mellitus in a tertiary care hospital of North India	Environmental Science and Pollution Research	International	Ravinder Singh, PRATIMA Kumari, Abhimanyu Prashar, Ojus Sardana, Varinder Singh	1614-7499	June 2022	
67	Reconnoitering the transformative journey of minocycline from an antibiotic to an antiepileptic drug	Life Sciences	International	Tanveer Singh, Surabhi Thapliyal, Shiveena Bhatia, Varinder Singh, Manjinder Singh, Hasandeep Singh, Amit Kumar, Awanish Mishra	0024-3205	June 2022	



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BIOENGINEERING & TRANSLATIONAL MEDICINE

REVIEW ARTICLE

miRNA-encapsulated abiotic materials and biovectors for cutaneous and oral wound healing: Biogenesis, mechanisms, and delivery nanocarriers

Asmita Deka Dey¹ | Satar Yousefiasl² | Arun Kumar¹ |
Farnaz Dabbagh Moghaddam^{3,4} | Ilnaz Rahimmanesh⁵ |
Mohamadmadhi Samandari⁶ | Sumit Jamwal⁷ | Aziz Maleki^{8,9,10} |
Abbas Mohammadi¹¹ | Navid Rabiee^{12,13} | Ana Cláudia Paiva-Santos^{14,15} |
Ali Tamayol¹⁶ | Esmaeil Sharifi¹⁶ | Pooyan Makvandi¹⁷

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Dendrimers as nanoscale vectors: Unlocking the bars of cancer therapy

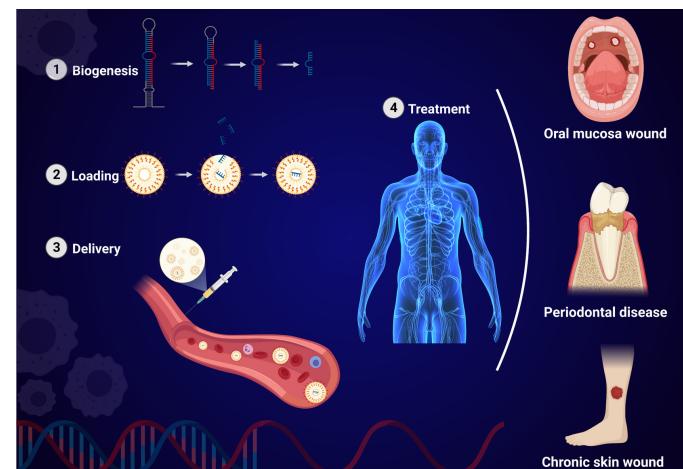
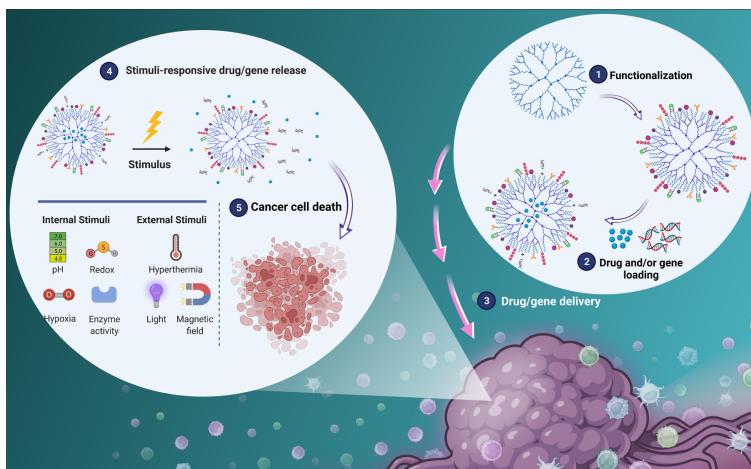
Asmita Deka Dey^{a,1}, Ashkan Bigham^{b,1}, Yasaman Esmaeili^c, Milad Ashrafizadeh^{d,e},
Farnaz Dabbagh Moghaddam^f, Shing Cheng Tan^g, Satar Yousefiasl^h, Saurav Sharma^a,
Aziz Maleki^{i,j,k}, Navid Rabiee^{l,m}, Alan Prem Kumar^{n,o}, Vijay Kumar Thakur^{p,q,r},
Gorka Orive^{s,t,u}, Esmaeil Sharifi^{v,w,x}, Arun Kumar^{a,yy}, Pooyan Makvandi^{x,yy}

ABSTRACT

Chemotherapy is the first choice in the treatment of cancer and is always preferred to other approaches such as radiation and surgery, but it has never met the need of patients for a safe and effective drug. Therefore, new advances in cancer treatment are now needed to reduce the side effects and burdens associated with chemotherapy for cancer patients. Targeted treatment using nanotechnology are now being actively explored as they could effectively deliver therapeutic agents to tumor cells without affecting normal cells. Dendrimers are promising nanocarriers with distinct physiochemical properties that have received considerable attention in cancer therapy studies, which is partly due to the numerous functional groups on their surface. In this review, we discuss the progress of different types of dendrimers as delivery systems in cancer therapy, focusing on the challenges, opportunities, and functionalities of the polymeric molecules. The paper also reviews the various role of dendrimers in their entry into cells via endocytosis, as well as the molecular and inflammatory pathways in

Abstract

MicroRNAs (miRNAs) as therapeutic agents have attracted increasing interest in the past decade owing to their significant effectiveness in treating a wide array of ailments. These polymerases II-derived noncoding RNAs act through post-transcriptional controlling of different proteins and their allied pathways. Like other areas of medicine, researchers have utilized miRNAs for managing acute and chronic wounds. The increase in the number of patients suffering from either under-healing



One of our B. Pharm student of 2019 batch published 2 high impact papers in reputed journals, Seminars in cancer biology (IF: 17.01) and Bioengineering and Translational medicine (IF: 10.76)



Asmita Deka Dey
Batch 2019



Dr. Arun Kumar

PUBLICATIONS

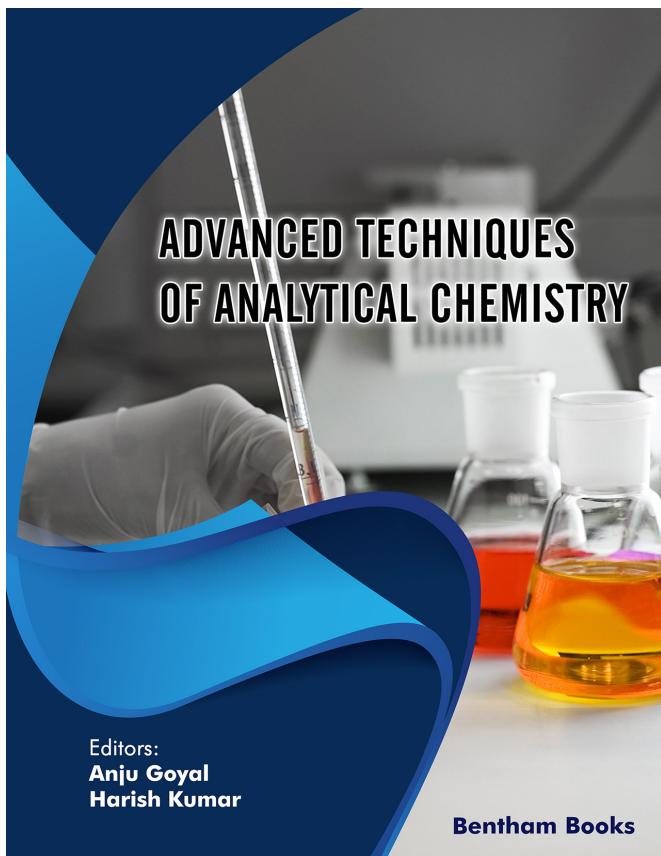
BOOKS & BOOK CHAPTERS

S. No.	Title of the book	Author's Name	Publisher	ISBN NO.	Month & Year of Publish	Name of the Topic	Page No.
1	X-Ray Fluorescence in Biological Sciences: Principles, Instrumentation, and Applications	Kamya Goyal, Anju Goyal and Rajwinder Kaur	WILEY	978-1-119-64554-2	March, 2022	Toxic and Essential Elemental Studies of Human Organs using X-ray Fluorescence	
2	X-Ray Fluorescence in Biological Sciences: Principles, Instrumentation, and Applications	Navgeet Kaur, Anju Goyal and Rakesh K Sindhu	WILEY	978-1-119-64554-2	March, 2022	Basics and Fundamentals of X-rays	
3	Herbal Biomolecules in Healthcare Applications	Chaitanya MVNL, Ali HS, Firehiwot BU	Academic Press, Science Direct	978-0-323-85852-6	March, 2022	Regulatory considerations of herbal biomolecules.	669 -676
4	Science of Spices and Culinary Herbs - Latest Laboratory, Pre-clinical, and Clinical Studies	Vishnu NB, Siddhartha M, Saravanabhavan M, Gupta S, Chaitanya MVNL, Venkatesan J.	Bentham Publishers	978-981-14-6834-6	January, 2022	Synthetic Analogues of Curcumin: The Search for Anticancer and Antioxidant Activities.	01-30
5	Advanced Techniques of Analytical Chemistry (Vol 1)	Sapna Kumari, Anju Goyal, Madhukar Garg, Harish Verma	Bentham Publishers	978-981-5050-24-0	March, 2022	Introduction to Analytical Chemistry	1-15
6	Advanced Techniques of Analytical Chemistry (Vol 1)	Sapna Kumari, Anju Goyal, Madhukar Garg	Bentham Publishers	978-981-5050-24-0	March, 2022	Redox Titrations	58-81
7	Herbal Bioactive Based Drug Delivery Systems: Challenges and Opportunities	Inderbir Singh, Hitesh Chopra, Madhu Sharma, Deepak Kaushik, Rakesh Pahwa, Haryanto	Elsevier Academic Press	978-012-8243-85-5	March, 2022	Herbal Bioactive for Wound Healing Application	259-282
8	Herbal Bioactive Based Drug Delivery Systems: Challenges and Opportunities	Ameya Sharma, Vivek Puri, Inderbir Singh, Pradeep Kumar	Elsevier Academic Press	978-012-8243-85-5	March, 2022	Herbal Bioactive Incorporated Scaffolds for Wound Healing Applications	311-332
9	Herbal Bioactive Based Drug Delivery Systems: Challenges and Opportunities	Suresh Kumar, Pooja Dey, Shikha Saxena, Ramanpreet Walia and Reecha Madaan	Elsevier Academic Press	978-012-8243-85-5	March, 2022	Regulatory considerations of Herbal Bioactive based formulations	419-435

S. No.	Title of the book	Author's Name	Publisher	ISBN NO.	Month & Year of Publish
1	Advanced Techniques of Analytical Chemistry (Vol 1)	Anju Goyal and Harish Kumar	Bentham Sciences	978-981-5050-24-0	March, 2022
2	Current Aspects in Pharmaceutical Research and Development Vol. 7	M V N L Chaitanya	Book Publisher, International	978-93-5547-082-9	Jan, 2022
3	Herbal Bioactive Based Drug Delivery Systems: Challenges and Opportunities	Inderbir Singh Bakshi, Rajni Bala, Reecha Madaan, Rakesh K Sindhu	Elsevier Academic Press	978-03-2385-910-3	March 2022
4	Metastatic Diseases: Novel Approaches in Diagnosis and Therapeutic Management	Dr Sandeep Arora, Dr. Tapan Behl, Dr. Sukhbir Singh, Dr. Neelam Sharma, Dr. Nidhi Garg, Dr Saurabh Gupta	Apple Academic Press) CRC Press	978-1-77188-917-9	Jan 2022
5	Synthesis and Biological Aspects of Pyrimidine derivatives	Dr Anju Goyal	LAP LAMBERT	978-620-0078-19-3	2022
6	Advanced Techniques of Analytical Chemistry (Volume 1)	Dr Anju Goyal	Bentham	978-981-5050-23-3	2022

PUBLICATIONS

BOOKS & BOOK CHAPTERS

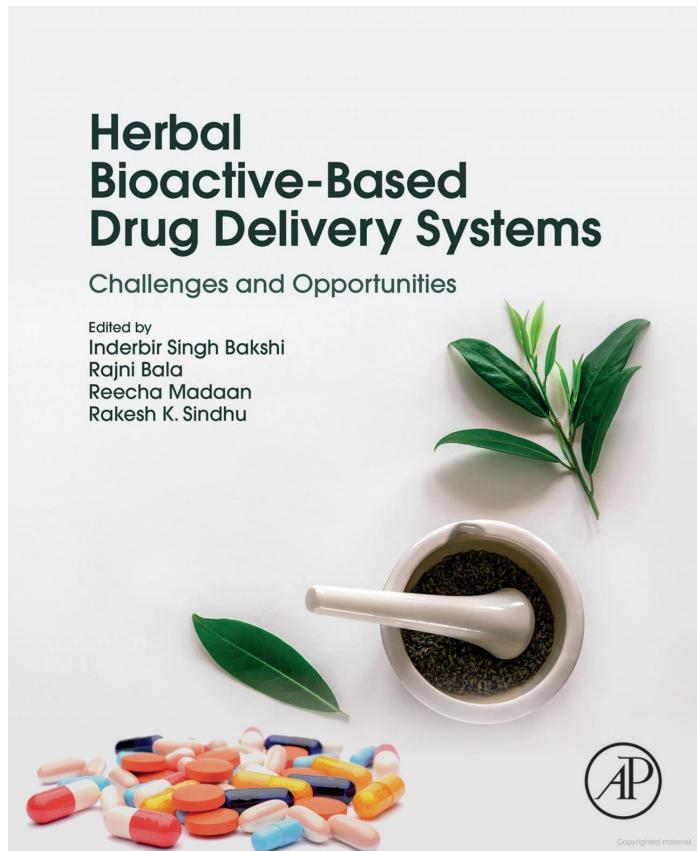


HERBAL BIOACTIVE BASED DRUG DELIVERY SYSTEMS: CHALLENGES AND OPPORTUNITIES

BY: INDERBIR SINGH
BAKSHI, RAJNI BALA,
REECHA MADAAN, RAKESH
K SINDHU

ADVANCED TECHNIQUES OF ANALYTICAL CHEMISTRY (VOLUME 1)

BY: ANJU GOYAL &
HARISH KUMAR



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Student Achievements

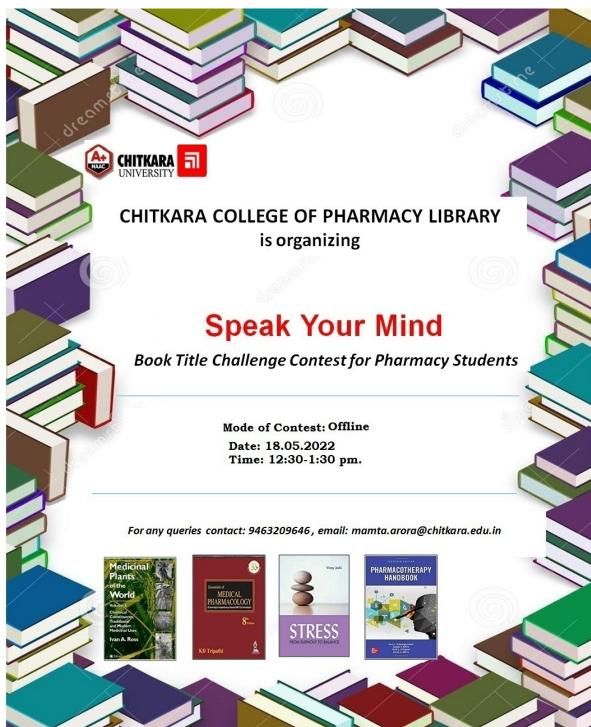
STUDENTS

ACHIEVEMENTS

S. No.	Name of the student	Award Name	Awarding Agency
1	TAVISHI PATHANIA	CERTIFICATE OF ACHIEVEMENT FOR BEING WINNER OF KOOTNITI	St. Xavier College, Jaipur
2	TAVISHI PATHANIA	CERTIFICATE OF APPRECIATION FOR PARTICIPATING IN THE EVENT "AZADI KA AMRIT MAHOTSAV"	Chitkara University, Punjab
3	TAVISHI PATHANIA	CERTIFICATE OF ACCOMPLISHMENT FOR POWER OF ENTREPRENEURIAL ACTION	Enactus, ASMSOC, NMIMS
4	KAUSHAL SETHI	CERTIFICATE OF MERIT: PARTICIPATED IN NATIONAL WORKSHOP CUM TRAINING ON CADD	Chitkara University Punjab in collaboration with IIT Kharagpur
5	AKSHAY KUMAR	CERTIFICATE OF MERIT: PARTICIPATED IN NATIONAL WORKSHOP CUM TRAINING ON CADD	Chitkara University Punjab in collaboration with IIT Kharagpur
6	VIBHA SINGH	CERTIFICATE OF MERIT: PARTICIPATED IN NATIONAL WORKSHOP CUM TRAINING ON CADD	Chitkara University Punjab in collaboration with IIT Kharagpur04 February 2022
7	VIBHA SINGH	PARTICIPATED IN NATIONAL LEVEL PHARMACEUTICS QUIZ COMPETITION	ACADEMIC DECIPHER, MUMBAI
8	VIBHA SINGH	CERTIFICATE OF COMPLETION: ONE MONTH TRAINING PROGRAM IN LEARNING MEDICINAL CHEMISTRY SKILLS	CSIR Institute of Microbial Technology
9	JASMEEN KAUR	CERTIFICATE OF MERIT: PARTICIPATED IN NATIONAL WORKSHOP CUM TRAINING ON CADD	Chitkara University Punjab in collaboration with IIT Kharagpur04 February 2022
10	YUVRAJ SINGH	CERTIFICATE OF MERIT: PARTICIPATED IN NATIONAL WORKSHOP CUM TRAINING ON CADD	Chitkara University Punjab in collaboration with IIT Kharagpur04 February 2022
11	LAVISH VAID	CERTIFICATE OF MERIT: PARTICIPATED IN NATIONAL WORKSHOP CUM TRAINING ON CADD	Chitkara University Punjab in collaboration with IIT Kharagpur04 February 2022
12	JASLEEN KAUR	CERTIFICATE OF MERIT: PARTICIPATED IN NATIONAL WORKSHOP CUM TRAINING ON CADD	Chitkara University Punjab in collaboration with IIT Kharagpur04 February 2022
13	KAJAL PREET KAUR	CERTIFICATE OF MERIT: PARTICIPATED IN NATIONAL WORKSHOP CUM TRAINING ON CADD	Chitkara University Punjab in collaboration with IIT Kharagpur04 February 2022
14	CHARANPREET SINGH	CERTIFICATE OF MERIT: PARTICIPATED IN NATIONAL WORKSHOP CUM TRAINING ON CADD	Chitkara University Punjab in collaboration with IIT Kharagpur04 February 2022
15	TANVI KOHLI	FIRST RUNNER UP IN CHITKARA GOT TALENT	Chitkara University Punjab
16	TANVI KOHLI	2ND PRIZE IN AAJA NACHEL GROUP	Chitkara University Punjab
17	BHAVYA HANS	CERTIFICATE OF COMPLETION: ONE MONTH TRAINING PROGRAM IN LEARNING MEDICINAL CHEMISTRY SKILLS	CSIR Institute of Microbial Technology

STUDENTS ACHIEVEMENTS

S. No.	Name of the student	Award Name	Awarding Agency
1	ESHIKA	FIRST POSITION IN "SPEAK YOUR MIND: BOOK TITLE CHALLENGE CONTEST" ORGANIZED BY CCP LIBRARY ON 18TH MAY,22	CCP Library
2	JANGJEET SINGH	SECOND POSITION IN "SPEAK YOUR MIND: BOOK TITLE CHALLENGE CONTEST" ORGANIZED BY CCP LIBRARY ON 18TH MAY,22	CCP Library
3	ABHINAV SHARMA	THIRD POSITION IN "SPEAK YOUR MIND: BOOK TITLE CHALLENGE CONTEST" ORGANIZED BY CCP LIBRARY ON 18TH MAY,22	CCP Library
4	PARISHA GARG	CONSOLATION IN "SPEAK YOUR MIND: BOOK TITLE CHALLENGE CONTEST" ORGANIZED BY CCP LIBRARY ON 18TH MAY,22	CCP Library



The Book Title Challenge Contest was organized by CCP Library on dated 18 th May 2022. The objective for this contest was to give awareness about title information of books available in our Library. There were total no. of 48 participants in which all the students were from our Pharmacy College. They participated in this contest very enthusiastically. The titles of the books were related to pharmaceutics that were available in only in our CCP Library. The categories of books were text books, reference books and some were light readings. Maximum students had given the right answers for the light reading and text books titles. The venue for this contest was CCP Library, Fleming Block, 1 st floor.

Sustainable Development Goals

S. No.	SDG	Name of Faculty	Activity/Event/Workshop/Publication/Patent, etc. in context to SDG
1	3, 9	DR. DEEPIINDER SINGH, DR. RAJNI BALA, DR. REECHA MADAAN, DR. NIDHI GARG AND MR. RAVI GOYAL	Herbovive Private Limited (Faculty Startup) has organised the various camps promotion and awareness of Herbals in disease healing. Details are as follows: <ul style="list-style-type: none"> • Camp at TIECON 2022, Hyatt Chandigarh (30th April 2022) • Camp at Future Tycoon, Thapar University. Patiala (15th July 2022) • Camp at Startup Conclave, Park Plaza Ludhiana (21st July 2022)
2	3,4	DR.MADHUKAR GARG	Session coordinator at International IASTAM CONCLAVE 2022, JAMIA HAMDARD, NEW DELHI
3	3	DR. AMIT KUMAR	Attended workshop "My Researgenc: How Do I Use It Effectively"
4	3	DR. AMIT KUMAR	Attended Three Days National Workshop on ""Recent Trends & Tools in Journal Publishing and Research Integrity "



Herbovive Private Limited, a faculty startup from CCP, Punjab has organized various camps on promotion and awareness of herbal products in disease healing during their camp at

- **TIECON 2022, Hyatt Chandigarh (30th April 2022)**
- **Tycoon, Thapar University. Patiala (15th July 2022)**
- **Park Plaza Ludhiana (21st July 2022)**

Patents Filed

PATENTS FILED

S. No.	Title	Inventor(s)	Filing Date	Reference no.
1	A TOPICAL NANOCOMPOSITE GEL FORMULATION FOR ANTI-MICROBIAL ACTIVITY COMPRISING SILVER NANOPARTICLES AND ZINC OXIDE NANOPARTICLES.	ARUN KUMAR	10 February 2022	202211007158
2	METHOD FOR FORMATION OF A LIQUID FILM FOR REDUCING HEADACHE	DEEPIKA RAINA, SANDEEP ARORA, LOVELEEN KAUR	8 March 2022	202211012449
3	A DIFFUSING LIQUID COMPOSITION FOR MANAGEMENT OF NEUROPSYCHIATRIC DISORDERS AND METHODS OF PREPARATION THEREOF	DEEPIKA RAINA, SIDDHARTH SINGH, SHRADDHS M. GUPTA	26 March 2023	202211017553
4	A PHARMACEUTICAL FORMULATION COMPRISING BIOPOLYMER FROM LAGENARIA SICERARIA AS DRUG-DELIVERY VEHICLE"	DEEPIKA RAINA SIDHARTH SINGH, BUNTY SHARMA	09 February 2022	202211008745
5	MULTIUTILITY FLOWER VASE	RAJWINDER KAUR, NIDHI RANI, RASHMI ARORA, LOVELEEN KAUR, INDERBIR SINGH	04 February 2022	357900-001
6	LAMP CUM VAPORIZER	RAJWINDER KAUR, NIDHI RANI, RASHMI ARORA, INDERBIR SINGH	06 January 2022	356253-001
7	EAR WAX REMOVER	ALPESH KUMAR, RITU RATHI, SEHASBIR SINGH, INDERBIR SINGH	28 January 2022	357435-001
8	A MICROPARTICLES-BASED INHALABLE PHARMACEUTICAL COMPOSITION COMPRISING 5-[(1S)-1(2,3-DIMETHYLPHENYL) ETHYL]-1H-IMIDAZOLE	SUKHBIR SINGH, SANDEEP ARORA, NEELAM SHARMA, TAPAN BEHL, PRITIMA, ISHRAT ZAHOOR, SRIDEVI CHIGURUPATI	05 January 2022	202211000480
9	A COMPOSITION FOR HIRSUTISM COMPRISING SOLID LIPID MICROPARTICLES COMPRISING 2,5-DIAMINO-2-(DIFLUOROMETHYL)PENTATONIC ACID	SUKHBIR SINGH, IKMEET KAUR GREWAL, SANDEEP ARORA, NEELAM SHARMA, TAPAN BEHL.	01 February 2022	20221100542
10	MODIFIED WEIGHING MACHINE	INDERBIR SINGH, DEVANSHI MEHTA	04-04-2022	361845-001
11	DEVICE FOR RESTRAINING MOUTH OF ANIMAL	ONKAR BEDI, SAKSHAM SHARMA, GAAMINEPREET SINGH, MANISH KUMAR, SANDEEP ARORA, PRATEEK SRIVASTAVA	07-04-2022	202211020994
12	AN INTERPENETRATING POLYMER NETWORK HYDROGEL COMPOSITION AND METHODS OF PREPARATION THEREOF	ASHOK KUMAR, MUNISH AHUJA, RAKESH K SINDHU	15-04-2022	202211022488
13	"A TOPICAL GEL FORMULATION COMPRISING MICROSPONGES OF BASIL OIL AND PROCESS OF PREPARATION THEREOF"	RITU RATHI, MANJU NAGPAL, SANDEEP ARORA, VARINDER SINGH, THAKUR GURJEET SINGH	27-04-2022	202211024801
14	ANTI-MICROBIAL 3, 5-DINITROSALICYLIC ACID PHYTOCONJUGATE COMPOUNDS AND PROCESS OF PREPARATION THEREOF	NIDHI RANI, RAJWINDER KAUR, THAKUR GURJEET SINGH, VARINDER SINGH, MD ALTAMASH AHMAD, RASHMI ARORA, RUPINDER KAUR	05-05-2022	202211026261

PATENTS FILED

S. No.	Title	Inventor(s)	Filing Date	Reference no.
1	A PHARMACEUTICAL NANOPARTICLES FORMULATION FOR MANAGEMENT OF DIABETIC NEPHROPATHY COMPRISING THUJA OCCIDENTALIS	ANJU GOYAL, MADHUKAR GARG, SUMIT SHARMA, HIMANSHU SHARMA	17-05-2022	202211028368
2	HERBAL FOOD PRESERVATIVE COMPOSITION	VIVEK PURI, AMEYA SHARMA, DIVYA DHEER, NEHA BHANDARI	23-05-2022	202211029408
3	BOTTLE WITH DOSAGE REGIMEN INDICATOR	MANJINDER SINGH, VARINDER SINGH, THAKUR GURJEET SINGH, SANDEEP ARORA, MANINDER KAUR	03-06-2022	365406-001
4	AN A-AMYLASE AND A-GLUCOSIDASE INHIBITING COMPOUND FOR MANAGEMENT OF DIABETES	VIVEK PURI, AMEYA SHARMA, DIVYA DHEER, NEHA BHANDARI	11-06-2022	202211033588
5	DUSTER CUM CHALK BOX	ANJU GOYAL, MADHUKAR GARG, SUMIT SHARMA, HIMANSHU SHARMA	16-06-2022	366148-001
6	FOLDABLE LIBRARY BOOK RACK	MS. MAMTA RANI, MS. RICHI SACHDEVA	22-03-2022	361023-001

NSS Activities

NSS ACTIVITIES

S. No.	Name of Event	No. of students participated	Description/ conducted by	Date
1	Youth Parliament	20	CCP in collaboration with NSS department Chitkara University Punjab	18 January 2022
2	National Girl Child Day2022	15	CCP in collaboration with NSS department Chitkara University Punjab	24 January 2022
3	World Leprosy eradication Day-Radio Talk	3	CCP in collaboration with NSS department Chitkara University Punjab	30 January 2022
4	World Cancer Day: A webinar on cancer awareness	235	CCP in collaboration with NSS department Chitkara University Punjab	04 February 2022
5	Rare Disease Day: A webinar	160	CCP in collaboration with NSS department Chitkara University Punjab	28 February 2022
6	World TB Day: Radio Talk	2	CCP in collaboration with NSS department Chitkara University Punjab	24 March 2022
7	Poster Making Competition, Slogan Writing Competition and Quiz Competition		CCP in collaboration with NSS department Chitkara University Punjab	14 April 2022



CHITKARA COLLEGE OF PHARMACY IN COLLABORATION WITH CCP ISPOR SC, USA & NATIONAL SERVICE SCHEME (NSS) DEPARTMENT CELEBRATED DR. AMBEDKAR JAYANTI 2022 BY ORGANIZING A POSTER MAKING COMPETITION. SLOGAN WRITING COMPETITION AND QUIZ COMPETITION ON TOPIC “RELEVANCE OF DR. B R AMBEDKAR'S THOUGHT AND PHILOSOPHY IN TODAY'S WORLD.” ON 14 APRIL 2022.



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