

List of Books and Book chapters (2015 onwards)
Last updated 11.05.2023

Department of Pharmaceutics

Sr. No	Title of the book chapter	Authors / editors	Book / Book chapter details
1	Aerosolised nanoparticle - based approaches for treatment of lung cancer	Authors: Chougule M. B., Lohade A. A., Gandhi N. S., Shrivastava A. R., Singh D. J., Parmar J. J., Mehta M. R., Jain R. R., Menon M. D Editors: Singh B., Vyas S. P., Kaur I. P.	NanoBiomedicine: Nanostructured and drug delivery, 4th edition, vol 4, 2015 , pp 451-490, Studium Press LLC. ISBN: 9781626990548 EISBN: 9781626990549
2	Functionalized Lipid Particulates in Targeted Drug Delivery	Authors: Mangal S Nagarsenker, Ankitkumar S Jain, Sanket M Shah Editors: Devarajan, P., Jain, S.	Targeted Drug Delivery: Concepts and Design, 2015 , pp. 411-431, Advances in Delivery Science and Technology. Springer, Cham. https://doi.org/10.1007/978-3-319-11355-5_13 Print ISBN: 978-3-319-11354-8 Online ISBN: 978-3-319-11355-5 Cited by 8
3	Antimicrobial and Antibiofilm activity of Enzybiotic against Staphylococcus aureus	Authors: Purnima Gupta, Mangal Nagarsenker. Editor: A. Mendez-Vilas	The Battle Against Microbial Pathogens: Basic Science, Technological Advances and Educational Programs, Formatex Research Center, Spain, Dec 2015 ; Vol 1, pp 364-372. (ISBN 13 Vol. 1: 978-84-942134-6-5) Cited by 3
4	Polymeric Nanoparticulate Systems - A Potential Approach for Ocular Drug Delivery	Authors: Rutika Godse, Kavita Singh, Agnivesh Shrivastava, Ujwala Shinde Editors: Yashwant Pathak, Anjali Hirani and Vijaykumar Sutariya	Nano-Bio-Materials for Ophthalmic Drug Delivery, Springer cham, Nov 2016 , pp 351-387. ISBN No: 978-3-3-19-2-9344-8 (hard cover, E-ISBN No: 978-3-3-19-2-9346-2) https://doi.org/10.1007/978-3-319-29346-2_16 Cited by 4
5	Ageing Disorders of the eye: challenges and approaches for their treatment	Authors: Hazare S. A., Rongbing Y., Chavan S. S., Menon M. D., Chougule M. B Editors: Yashwant Pathak, Anjali Hirani and VijaykumarSutariya	Nano-biomaterials for ophthalmic drug delivery, Springer cham, Nov 2016 , pp 277-320 ISBN No: 978-3-3-19-2-9344-8 (hard cover, E-ISBN No: 978-3-3-19-2-9346-2 https://doi.org/10.1007/978-3-319-29346-2_16 Cited by 4

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Sr. No	Title of the book chapter	Authors / editors	Book / Book chapter details
6	Liposomes: Concept and Therapeutic Applications	Authors: MS Nagarsenker, MS Marwah Editors: Raj K.Keservani, Anil K. Sharma, Rajesh K. Kesharwani	Novel Approaches for Drug Delivery, IGI Global , Chapter 3, July 2016 , pp 52-87. https://doi.org/10.4018/978-1-5225-0751-2 ISBN: 9781522507512 E ISBN: 9781522507529 <i>Cited by 4</i>
7	Drug Targeting: General Aspects and Relevance to Nanotechnology	Authors: Naik P, Marwah M, Venkataraman M, Rajawat GS, Nagarsenker M. Editors: Raj k.Keservani, Anil K.Sharma, Rajeshkumar Kesharwani	Drug Delivery approaches and Nanosystems, Volume 2: Drug Targeting Aspects of Nanotechnology, 1st edition, 2017 , PP: 1-44, Apple Academic Press, CRC press, Taylor and Francis group. https://doi.org/10.1201/9781315225364 ISBN: 9781315225364 E ISBN: 9781771885843 <i>Cited by 1</i>
8	Novel nanotechnology based delivery systems for chemotherapy and prophylaxis of tuberculosis	Authors: Jain RR., Savla HM, Naik IV, Panjabi K., Maniyar J, Vaidya S, Menon MD Editor: Chaudhery Mustansar Hussain	Handbook of Nanomaterials for Industrial Applications ,Micro and Nano Technologies, Chapter 33, 2018 , 587-620, Elsevier. ISBN: 9781315225364 EISBN: 9781771885843 https://doi.org/10.1016/B978-0-12-813351-4.00034-1 <i>Cited by 9</i>
9	Colonic Bacterial Enzymes: Pharmaceutical Significance and Applications	Authors: Shrushti Tambe and Namita Desai Editors: Shashi Lata Bharati, Pankajkumar Chaurasia	Research Advancements in Pharmaceutical, Nutritional and Industrial Enzymology", Chapter 4, 2018 , pp 71-99, IGI Global, Pennsylvania (USA) ISBN13: 978152252376 EISBN: 978152252383 https://doi.org/10.4018/978-1-5225-5237-6 <i>Cited by 2</i>
10	siRNA Delivery with Liposomes as Platform Technology.	Authors: Naik P, Nagarsenker MS. Editors: Raj k.Keservani, Anil K.Sharma	Nanoconjugate Nanocarriers for Drug Delivery , Chapter 6, 1st edition, Sep 2018 ,pp. 201-228, Apple Academic Press, Newyork, Taylor and Francis group https://doi.org/10.1201/9781351171045 EISBN: 9781351171045 <i>Cited by 6</i>

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11	Stimuli-responsive micelles: A nanoplatform for therapeutic and diagnostic applications.	Authors: Nair HA, Rajawat GS, Nagarsenker MS. Editors: Grumezescu Alexandru Mihi	Drug Targeting and Stimuli Sensitive Drug Delivery Systems, Chapter 8, 2018 , pp. 303-342, Digital Science and Research Solutions. https://doi.org/10.1016/B978-0-12-813689-8.00008-2 ISBN: 978-0-12-813-689-8 eISBN: 9781351171045 <i>Cited by 17</i>
12	Pulmonary, Nasal, and Topical Aerosol Drug Delivery Systems	Authors: Mala Menon, Richard N.Dalby, Isha Naik, Hemali Savla and Kaveri Kalola Editor: Adeboye Adejare	Remington The Science and Practice of Pharmacy, 23rd edition, Chapter 30, 2020 , pp: 605-622, Academic Press. ISBN: 978-0-12-820007-0 <i>Cited by 2</i>
13	Parenteral Preparations	Authors: Mangal Shailesh Nagarsenkar, Vivek Vijay Dhawan Editor: Adeboye Adejare	Remington The Science and Practice of Pharmacy, 23rd edition, Chapter 29, 2021 , (pp: 577-603), Academic Press. ISBN: 978-0-12-820007-0 https://doi.org/10.1016/B978-0-12-820007-0.00029-5 <i>Cited by 2</i>
14	Biocomposite hydrogels for regenerative medicine and biomedical applications	Authors: Riyaz Ali M. Osmani, Ekta Singh, Umme Hani, Smita Chavan, Heena Kazi, Mala Menon Editors: Shakeel Ahmed, Annu	Biocomposites in Tissue Engineering and Regenerative Medicine, Chapter 5, 1st edition, 2021 , pp 99-118, Woodhead Publishing. Elsevier. ISBN: 9780128212806, eISBN: 9780128216347 <i>Cited by 1</i>
15	Understanding of Lung Diseases with a focus on Applications of Nanoparticulate drug delivery systems	Authors: S Khairnar, M Ansari, U. Shinde, A Shrivastava, K Singh Editors: Yashwant Pathak, Nazrul Islam	Handbook of Lung Targeted Drug Delivery Systems: Recent Trends and Clinical Evidences, Chapter 7, 1 st edition, October 2021 , pp. 73-89, CRC Press. EISBN: 9781003046547 https://doi.org/10.1201/9781003046547
16	Solid Lipid Nanoparticle-Based Drug Delivery for lung Cancer	Authors: DU Warriar, HR Desai, KH Singh, UA Shinde Editors: Yashwant Pathak, Nazrul Islam	Handbook of Lung Targeted Drug Delivery Systems: Recent Trends and Clinical Evidences, October 2021 , 303-323 EISBN: 9781003046547 https://doi.org/10.1201/9781003046547
17	Targeting of lipid/polymeric (hybrid) nanoparticles to brain tumors	Authors: S Lokhande, UA Shinde, A Shrivastava, KH Singh Editors: Lalit Kumar and Yashwant Y Pathak	Nanocarriers for Drug-Targeting Brain Tumors , Micro and Nano Technologies, Jan 2022 , Chapter 21, pp. 587-622, Elsevier Publications. https://doi.org/10.1016/B978-0-323-90773-6.00027-0 ISBN: 978-0-323-90773-6

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18	Silver nanoparticles in brain tumor targeting	Authors: UA Shinde, DU Warriar, PM Bhagwat, HS Vasani, HR Desai, KH Singh Editors: Lalit Kumar and Yashwant Y Pathak	Nanocarriers for Drug-Targeting Brain Tumors, Micro and Nano Technologies, Jan 2022 , Chapter 19, pp. 527-562, Elsevier Publications. https://doi.org/10.1016/B978-0-323-90773-6.00025-7 ISBN: 978-0-323-90773-6
19	Hybrid nanoparticles to cross the blood-brain barrier	Authors: HR Desai, UA Shinde Editors: Lalit Kumar and Yashwant Y Pathak	Nanocarriers for Drug-Targeting Brain Tumors, Micro and Nano Technologies 2022 , Chapter 20, pp. 565-586, Elsevier Publications. https://doi.org/10.1016/B978-0-323-90773-6.00002-6 ISBN: 978-0-323-90773-6 <i>Cited by 1</i>
20	Consumer views on health issues arising from food Products.	Authors: Harita Desai, Murlidhar Meghwal Editors: Megh R.Goyal Preeti Birwal Santosh Mishra	Phytochemicals and Medicinal Plants in Food design- Strategies and Technologies for improved Health care, 2022 , Chapter 6, pp.123-154, CRC Press, Taylor and Francis Group. https://doi.org/10.1201/9781003150336 ISBN: 9781771889940
21	Preparation and development of nanoemulsion for skin moisturizing	Authors: Galvina Pereira, Clara Fernandes, Vivek Dhawan, Vaishali Dixit Editors: Siti Mohd Setapar, Akil Ahmad, Mohammad Jawaid	Nanotechnology for the Preparation of Cosmetics Using Plant-Based Extracts, 2022 , Chapter 3, 27-47, Elsevier https://doi.org/10.1016/B978-0-12-822967-5.00008-4 eBook ISBN: 9780128229392 Paperback ISBN: 9780128229675
22	Valorization of Waste Cooking Oil into Biodiesel, Biolubricants, and Other Products	Authors: Murlidhar Meghwal, Harita Desai, Sanchita Baisya, Arpita Das, Sanghmitra Gade, Rekha Rani, Kalyan Das, Ravi Kumar Kadeppagari Editors: Chaudhery Mustansar Hussain, Ravi Kumar Kadeppagari	Biotechnology for Zero waste: Emerging Waste Management Techniques Chapter 33, 2022 , 507-520, Wiley, VCH-GMBH Print ISBN: 9783527348985 https://doi.org/10.1002/9783527832064.ch33 <i>Cited by 2</i>
23	Bioactives loaded nanomedicines for arthritis treatment*	Authors: Priyanka Prabhu, Galvina Pereira, Clara Fernandes Editors: Mahfoozur Rahman, Sarwar Beg, Khalid S. Alharbi, Waleed Hassan Almalki, Nabil K. Alruwaili, Majed Al Robaian	Bioactive – Loaded Nanomedicine for the Management of Health and Disease, 1 st edition, December 2022 , Chapter 8, pp. 173-203, Apple Academic Press eBook ISBN: 9781003277101 https://doi.org/10.1201/9781003277101

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Department of Pharmaceutical Chemistry

Sr. No	Title of the book chapter	Authors / editors	Book / Book chapter details
24	Breakthroughs in nanofibrous membrane for industrial waste water treatment	Authors: Ambre PK, Paneysar JS, Coutinho EC, Bhullar S K Editors: Reza K. Haghi, Emili Besalu, MAciej Jaroszewski, Sabu Thomas, Praveen K.M.	Modern Physical Chemistry: Engineering models, Materials, and Methods with Applications; Chapter 10, 2017 , pp 250-288, Apple Academic Press. ISBN No: 978-177188-643-7 https://doi.org/10.1201/9781315143118
25	Combinatorial Chemistry: Role in lead discovery	Authors: Ambre PK, Gomatam AN, Nandan S, and Coutinho EC Editors: Debarshikar Mahapatra, Sanjay Kumar Bharti	Handbook of Research on Medicinal Chemistry, Innovations and Methodologies, 1 st edition, Chapter 1, Nov 2017 , pp 3-69, Apple Academic Press. ISBN: 978-1-77188-544-7 https://doi.org/10.1201/9781315207414
26	Advanced techniques in biomolecular simulations	Authors: Martis E.A.F, Belubbi A. Editors: Debarshikar Mahapatra, Sanjay Kumar Bharti	Handbook of Research on Medicinal Chemistry, Innovations and Methodologies, 1 st edition, Chapter 2, Nov 2017 , pp71-104, Apple Academic Press. ISBN: 978-1-77188-544-7 https://doi.org/10.1201/9781315207414 <i>Cited by 1</i>
27	Free Energy-Based Methods to Understand Drug Resistance Mutations	Authors: Martis E.A.F, Coutinho EC. Editor: Mohan C	Structural Bioinformatics: Applications in Preclinical Drug Discovery Process, Challenges and Advances in Computational Chemistry and Physics, book series Vol 27, 2019 , (pp. 1-24). Springer, Cham ISBN: 978-3-030-05281-2 https://doi.org/10.1007/978-3-030-05282-9_1 <i>Cited by 7</i>

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Sr. No	Title of the book chapter	Authors / editors	Book / Book chapter details
28	Self-assemblies, Dendrimers and Nanoparticles	Authors: Premlata K Ambre, Chandan Rajendra Gupta, Elvis AF Martis, Evans C Coutinho Editors: Krishnan Anand, Muthupandian Saravan, Quansheng Chen	Handbook on Nanobiomaterials for Therapeutics and Diagnostic Applications, Chapter 8, Jan 2021 , pp151-189, Elsevier. ISBN: 978-0-12-821013-0 https://doi.org/10.1016/B978-0-12-821013-0.00009-X
29	Emerging Polymer-Based Nanomaterials for Cancer Therapeutics	Authors: Gupta C., Uthale A., Teni T., Ambre P., Coutinho E. Editors: Saravanan M., Barabadi H	Cancer Nanotheranostics. Nanotechnology in the Life Sciences, October 2021 , Springer, Cham., pp: 189-229 ISBN: 978-3-030-74330-7 https://doi.org/10.1007/978-3-030-74330-7_7

Department of Pharmacology

Sr. No	Title of the book chapter	Authors / editors	Book / Book chapter details
30	Alternative Approaches to Wound Healing	Authors: Majumdar A., Sangole P. Editor: Vlad Adria Alexandre's	Wound Healing - New insights into Ancient Challenges, Chapter 21, October 2016 , pp 459-482, Intech Open ISBN: 978-953-51-2679-9 e Book (PDF) ISBN: 978-953-51-7316-8 http://dx.doi.org/10.5772/63636 <i>Cited by 9</i>
31	Biomaterials and its Medical Applications	Authors: Saili Dharadhar, Anuradha Majumdar Editors: Sudip Paul	Application of biomedical engineering in neuroscience, Chapter 18, November 2019 , pp 355-380, Springer singapore. ISBN: 978-981-13-7142-4 Print ISBN: 978-981-13-7141-7 https://doi.org/10.1007/978-981-13-7142-4_18

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32	Deep Learning Approach for early Diagnosis of Jaundice	<p>Authors: Dhananjay Kalbande, Anuradha Majumdar, Pradeep Dorik, Prachi Prajapati, Samira Deshpande</p> <p>Editors: Deepak Gupta, Ashish Khanna, Aboul ella Hassanien, Sameer Anand, Ajay Jaiswal</p>	<p>International Conference on Innovative Computing and Communications, Proceedings of ICICC, Lecture Notes in Networks and Systems, 2023, Vol. 492, 387-395, Springer Nature, Singapore</p> <p>https://doi.org/10.1007/978-981-19-3679-1_30</p> <p>Print ISBN: 978-981-19-3678-4 Online ISBN: 978-981-19-3679-1</p>
33	Mitochondria: A Key Protagonist of the Renin Angiotensin System	<p>Authors: Rini Varghese, Anuradha Majumdar</p> <p>Editors: Dhalla, N.S., Bhullar, S.K., Shah, A.K. (eds)</p>	<p>The Renin Angiotensin System in Cardiovascular Disease, Advances in Biochemistry in Health and Disease book series (ABHD), volume 24, Jan 2023, pp. 131-144, Springer, Cham</p> <p>https://doi.org/10.1007/978-3-031-14952-8_8</p> <p>Print ISBN: 978-3-031-14951-1 Online ISBN: 978-3-031-14952-8</p>



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Department of Pharmacognosy and Phytochemistry

Sr. No	Title of the book chapter	Authors / editors	Book / Book chapter details
34	Lipid-based Vesicular Systems in Phyto formulation Design & Development	Authors: Alka Mukne, Swapna Nair Editors : Bhupinder Singh, Jagat R Kanwar, Omprakash Katara	NanoMedicine, Vol. 1 of NanoBioMedicine Series, Chapter 15, 2015 , pp 455 – 492, Studium Press LLC, USA. ISBN : 978-1626990517
35	Nanophytopharmaceuticals: Harnessing the biopotential of phytomolecules for maximum therapeutic efficacy	Authors: Mukne A, Nair S, Momin M Editors: Bhupinder Singh, Omprakash Katara, Eliana R. Souto	Emerging Trends in NanoBioMedicine - Nanoagroceuticals & Phytochemicals, Chapter 6, 1st edition, Nov 2018 , (pp 99-150) CRC Press, Taylor & Francis group. ISBN: 978-1-351-13-928-1 https://doi.org/10.1201/9781351139281
36	Cell based Assays in Natural Product-based Drug Discovery	Authors: Alka Mukne, Misbah Momin, Parag Betkar, Tanvi Rane, Saurabh Valecha Editors: Mandal, Subhash C., Chakraborty, Raja, Sen, Saikat	Evidence based validation of Traditional Medicines-A Comprehensive Approach, Jan 2021 , pp. 211-248, Springer Nature Singapore Pvt. Ltd. Print ISBN: 978-981-15-8126-7 Online: ISBN: 978-981-15-8127-4 https://doi.org/10.1007/978-981-15-8127-4_11 <i>Cited by: 1</i>
37	Bioactives-Loaded Nanomedicines for Arthritis Treatment*	Authors: Priyanka Prabhu, Galvina Pereira, Clara Fernandes Editors: Mahfoozur Rahman, Sarwar Beg, Khalid S. Alharbi, Waleed Hassan Almalki, Nabil K. Alruwaili, Majed Al Robaian	Bioactive loaded Nanomedicine for the management of Health and Disease, Dec 2022 , Chapter 8, Apple Academic Press, Taylor, and Francis Group ISBN: 9781003277101 https://doi.org/10.1201/9781003277101
38	Standardization of herbal biomolecules	Authors: Alka Mukne, M.Momin, Parag Betkar, Vidhi Joshi Editors: Subhash C. Mandal, Amit Kumar Nayak and Amal Kumar Dhara	Herbal Biomolecules in Healthcare Applications, 2022 , Chapter 26, pp. 643–667, Academic Press. https://doi.org/10.1016/B978-0-323-85852-6.00008-1 ISBN: 978-0-323-85852-6 <i>Cited by 2</i>

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Summary

A. Total no. of books/book chapters written by Faculty (2015 till date): 38

B. Total no. of books/book chapters written by faculty:

1. Department of Pharmaceutics- 23
2. Department of Pharmaceutical Chemistry- 06
3. Department of Pharmacology-04
4. Department of Pharmacognosy and Phytochemistry- 05



5. Books/Book chapters published (Year wise)

Sr. No	Year of Publication	No. of Books/Book Chapters Published				Total
		Pharmaceutics	Pharmaceutical Chemistry	Pharmacology	Pharmacognosy & Phytochemistry	
1	2015	03	00	00	01	04
2	2016	03	00	01	00	04
3	2017	01	03	00	00	04
4	2018	04	00	00	01	04
5	2019	00	01	01	00	02
6	2020	01	00	00	00	01
7	2021	04	02	00	01	06
8	2022*	07	00	00	02	09
9	2023	00	00	02	00	02
	Total	23	06	04	05	38

One of the book chapters in the year 2022 is Inter-departmental.