

**DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY
UNIVERSITY COLLEGE OF ENGINEERING
BHARATHIDASAN INSTITUTE OF TECHNOLOGY CAMPUS
ANNA UNIVERSITY,
TIRUCHIRAPPALLI, TAMIL NADU.**

**BOOKS AND BOOK CHAPTERS
2018-2022**

BOOKS

S.NO.	Name of the Faculty	Authors Name	Title of the book chapter	Publisher Name	Year of Publication
1.	Dr.K. Kavitha	Kavitha Karuppaiyan, Nilima Thombre, Hitendra Mahajan, Shilpa Choudary, Karimunissa Shaikh,	Concepts of Industrial Pharmacy I	Pharma Career Publications	2022
2.	Dr.S. Lakshmana Prabu,	TNK. Suriyaprakash, S. Lakshmana Prabu, A. Sumathi.	Pharmaceutical Production Management.	LAP Lambert Academic Publishing	2021
3.	Dr.A.Puratchikody Dr.S. Lakshmanprabu Dr.A.Umamaheswari	A.Puratchikody S. Lakshmanprabu A.Umamaheswari	Computer Applications in Drug Discovery and Development	IGI Global eEditorial Discovery® , USA	2018

BOOK CHAPTERS

S.NO.	Name of the Faculty	Authors Name	Title of the book chapter	Publisher Name	Year of Publication
1.	Dr.K. Ruckmani	S. Vaidevi, M.Azeera, K. Ruckmani , S. Lakshmana Prabu	Modified Biopolymers and Its Potential Significance in Targeted Drug	Nova Science Publishers	2018

		Delivery and Disease Diagnosis		
	Azeera M., Vaidevi S., Ruckmani K.	Characterization Techniques of Hydrogel and Its Applications.	Springer	2018
	Nachimuthu S., Kandasamy R. , Ponnusamy R., Deruiter J., Dhanasekaran M., Thilagar S.	LErgothioneine: A Potential Bioactive Compound from Edible Mushrooms.	Springer	2019
	Natesan S., Krishnaswami V., Thekkila Veedu S., Pathayappurakkal Mohanan D., Ruckmani K. , Palanichamy	Chitosan-Based Ocular Drug Delivery Systems.	Springer	2019
	Azeera M., Vaidevi S., Kumar J., Shanmugarathinam A., Ruckmani K.	Chitosan-Based Systems in Tissue Engineering.	Springer	2019
	Nikhishaa Sree Raju, Venkateshwaran Krishnaswami, Sivakumar Vijayaraghavalu, Ruckmani Kandasamy	Transdermal and bioactive nanocarriers. I	Elsevier	2020
	L. Gayathri, B. Karthiyayini, K. Ruckmani , D. Dhanasekaran, and M. A.Akbarsha	Co-Occurrence of Ochratoxin A and Citrinin and Identifications of Fungi That Produce the Respective Mycotoxins in Mold Contaminated Rice, Corn and Groundnut Samples.	Nova Science Publishers	2020
	Nachimuthu S., Kandasamy R. , Ponnusamy R., Dhanasekaran M., Thilagar S.	Neurotoxicity of Polyherbal Formulations: Challenges and Potential Solutions.	Springer	2021
	Subramanian Natesan, Ravichandiran Vellayutham, Venkateshwaran Krishnaswami, Chandrasekar Ponnusamy, Saranya Thekkilaveedu, Dhilin Pathayappurakkal Mohanan, Ruckmani Kandasamy	Enhanced Topical Delivery of Drugs to the Eye Using Chitosan Based Systems.	Springer	2021
	Sreeranjini Sukumaran Rajamma, Venkateshwaran Krishnaswami and Ruckmani Kandasamy.	Functional Role of Prebiotics Supplement in Brain Signaling.	Springer	2021

		D.AnithaManikandan, Venkateshwaran Krishnaswami and Ruckmani Kandasamy.	Chitosan and Chitosan Derivatives- based Drug Delivery Systems for the Treatment of Pulmonary Diseases		2021
		Ramapriya Alagarsamy Rajagopal, Venkateshwaran Krishnaswami, Vijayalakshmi Maruthamuthu and Ruckmani Kandasamy.	Functionalized carbon nanomaterials for biomedical imaging for diagnostics	Elsevier	2022
		Selvakumar Muruganantham, Venkateshwaran Krishnaswami, Anitha Manikandan D, Nirmal Aravindaraj, Jeseeta Suresh, Mohanraj Murugesan and Ruckmani Kandasamy.	Gums as Pharmaceutical excipients- an overview.	Elsevier	2022
		<u>Nirmal Aravindaraj, Jeseeta Suresh, Venkateshwaran Krishnaswami, Ruckmani Kandasamy</u>	Guar Gum-Based Novel Nanodrug Delivery Systems in: Nanoengineering of Biomaterials: Biomedical Applications,	Elsevier	2021
2.	Dr.A. Puratchikody	Appavoo Umamaheswari, Ayarivan Puratchikody , Sakthivel Balasubramaniyan	Target identification of HDAC 8 isoform for the treatment of cancer.	IGI Global eEditorial Discovery®	2018
		Ayarivan Puratchikody , Appavoo Umamaheswari, Navabshan Irfan, Dharmaraj Sriram	Molecular modeling of novel COX -2 inhibitors	IGI Global eEditorial Discovery®	2018
		S. Lakshmana Prabu, A. Umamaheswari, A. Puratchikody	Near-Infrared Spectroscopic Techniques and its Analytical Application in Pharmaceutical Industries	Nova Science Publishers	2019
		S. Lakshmana Prabu, A. Umamaheswari, A. Puratchikody	Bioremediation approaches for degradation of textile dye effluents. Bioremediation and Green Technologies	Springer International Publishing	2020
		N.Ramalakshmi , S. Arunkumar, A.Puratchikody	Leptospirosis - A Complete Review	Bentham Science Publishers, Singapore	2021
		A. Umamaheswari, M. Vijayalakshmi, M. Dhivya Sree, S. Lakshmana Prabu,	Cogent and Strategic Approaches for Gene Delivery with Nanostructures.	Apple Academic Press, Inc. Co- published with	2022

		A.Puratchikody.		CRC Press (Taylor & Francis.	
3.	Dr.E.SanmugaPriya	E.SanmugaPriya, P. SenthamilSelvan, R. Durgalakshmi, Dhevash S, Mohammad Navas Khan	A “New Approach of dye Removal in Textile Effluent: A cost effective management for cleanup of toxic dyes in textile effluent by Water hyacinth”	Springer Science+Busines s Media LLC	2018
		E. SanmugaPriya, P. SenthamilSelvan, E. Thamizharasi.	Biochemistry of Type 2 diabetes mellitus	Bentham Science Publishers	2021
4.	Dr.P.Selvamani	Deepak Raj B. Thimiri Govinda, Niamat Ali Khan, Srisaran Venkatachalam, Sivakumar Arumugam, and Selvamani Palaniswamy	Synthesis of hybrid gold nanoparticle (AuNP) functionalized superparamagnetic nanoparticles (SPMNP) for efficient coupling of biomolecules	Springer	2019
		Jerolen Naidoo, Ezio Fok, Lichelle Grobler, Reitumetse Molaoa, Zandile Nxumalo, P. Selvamani, S. Latha, and Deepak B. Thimiri Govinda Raj	Recent Advances in Genetic Engineering Tools for Metabolic Engineering	Springer Nature Singapore Pte Ltd	2019
		Krishnanand Nagarajan, Sathish Kumar Perumal, Sathish Kumar Marimuthu, Selvamani Palanisamy , Latha Subbiah	Addressing antimicrobial resistance through nanoantibiotics: challenges and novel strategies	Medical Information Science Reference	2020
		P. Priya dharsini, P. Selvamani and S. Latha.	Current Strategies in Peptide Conjugated Nanoparticles: A novel approach in the Field of Biomedicine	Medical Information Science Reference	2020
		Subbiah Latha, Palanisamy Selvamani , Palanisamy Suresh Babu, Deepak B. Thimiri Govinda raj, Thangavelu Prabha	Magnetic Nanoparticles: Role in Next Generation Nanomedicine’	Medical Information Science Reference	2020
5.	Dr.S. Latha	Jerolen Naidoo, Ezio Fok, Lichelle Grobler, Reitumetse Molaoa, Zandile Nxumalo, P. Selvamani, S. Latha , and Deepak B. Thimiri Govinda Raj	Recent Advances in Genetic Engineering Tools for Metabolic Engineering	Springer Nature Singapore Pte Ltd	2019
		Krishnanand Nagarajan, Sathish Kumar Perumal, Sathish Kumar	Addressing antimicrobial resistance through nanoantibiotics: challenges	Medical Information	2020

		Marimuthu, Selvamani Palanisamy, Latha Subbiah	and novel strategies	Science Reference	
		P. Priya dharsini, P. Selvamani and S. Latha.	Current Strategies in Peptide Conjugated Nanoparticles: A novel approach in the Field of Biomedicine	Medical Information Science Reference	2020
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6.	Dr.R.Vijaya	Jamal Moideen Muthu Mohamad, Thirunavukkarasu Sivaraman, Dharmalingam Sudhaar, R.Vijaya	Nano emulsion in vaccine development for transdermal delivery	Shanlax Publications	2021
		R. Vijaya , Karuppaiyan Kavitha Jamal Moideen Muthu Mohamed	Topical Herbal NANO Delivery System with Emphases on Boswellic Acid.	Shanlax Publications	2022
7.	Dr.A.Shanmuga rathinam,	M. Azeera, S.Vaidevi, J.Kumar, A.Shanmugarathinam , and K. Ruckmani	Chitosan -Based Systems in Tissue Engineering.	Springer Singapore	2019
		Gurumeet C Wadhawa, Sabari V, Prafeena P, Astalakshmi M, Shanmuga rathinam A	"Microscopy" in Textbook of Basics of Biophysics"	AGAR Publications, Tamilnadu, India.	2021
		Chelliah Ramachandran, Eric Banan-Mwine Daliri, Elahi Fazle, Khan Imran, Wei Shuai, Yeon Su-Jung, Saravanakumar Kandasamy, Inamul Hasan Madar, Sumaira Miskeen, Ghazala Sultan, Marie Arockianathan, Shanmuga rathinam Alagarsamy, Thirumalai Vasana, Myeong-Hyeon Wang, Antony Usha, Devarajan Thangadurai, Oh Deog Hwan	Impact of Sequencing and Bioinformatics Tools in Food Microbiology in Sequencing Technologies in Microbial Food Safety and Quality (1st ed.).	CRC Press, Taylor & Francis.	2021
		Ramachandran Chelliah, Eric Banan-Mwine Daliri, Fazle Elahi, Imran Khan, Shuai Wei, Su-Jung Yeon, Kandasamy Saravanakumar, Inamul Hasan Madar, Sumaira	Application of Next-Generation Sequencing Techniques in Food Related Microbiome Studies in Food Microbiology in Sequencing Technologies in Microbial Food	CRC Press, Taylor & Francis.	2021

		Miskeen, Ghazala Sultan, Marie Arockianathan, Shanmugarathinam Alagarsamy, Thirumalai Vasan, Myeong-Hyeon Wang, Usha Antony, Devarajan Thangadurai, and Deog Hwan Oh (2021).	Safety and Quality (1st ed.).		
		Shanmugarathinam A and Ruckmani K.	Pharmaceutical Solid Dispersions in Recent Trends in Pharmaceutical Sciences	JPS Scientific Publications, Tamil Nadu, India	2019
8.	Dr.A.Umamaheswari	A.Umamaheswari , S. Lakshmana Prabum, M.Rengasamy, G.Venkatesan	A Safety Promotion Approach for Handling of Chemicals in the Working Environmental Management	Springer	2018
		S. Lakshmana Prabu, A. Umamaheswari , A. Puratchikody	Near-Infrared Spectroscopic Techniques and its Analytical Application in Pharmaceutical Industries	Nova Science Publishers	2019
		S. Lakshmana Prabu, A. Umamaheswari , A. Puratchikody	Bioremediation approaches for degradation of textile dye effluents. Bioremediation and Green Technologies	Springer International Publishing	2020
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9.	Dr.P.SenthamilSelvan	E. SanmugaPriya, P.Senthamil Selvan , R.Durgalakshmi, DhevashS, MohammadNavas Khan	A “New Approach of dye Removal in Textile Effluent: A cost effective management for cleanup of toxic dyes in textile effluent by Water hyacinth”	Springer Science+Business Media LLC	2018
		E. SanmugaPriya, P.Senthamil Selvan , E. Thamizharasi.	Biochemistry of Type 2 diabetes mellitus	Bentham Science Publishers	2020
	Dr.K.Kavitha	R. Vijaya , Karuppaiyan Kavitha Jamal Moideen Muthu Mohamed	Topical Herbal NANO Delivery System with Emphases on Boswellic Acid.	Shanlax Publications	2022

10.	Dr.S. Lakshmana Prabu	S. Vaidevi, M. Azeera, K. Ruckmani, S. Lakshmana Prabu	Modified biopolymers and its potential significance in targeted drug delivery and disease diagnosis	Nova Science Publishers	2018
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		S. Lakshmana Prabu , R. Thirumurugan	Lead optimization in drug discovery	IGI Global	2019
		S. Lakshmana Prabu , T.N.K. Suriyaprakash	Introductory Chapter : Drafting of Patent Specification	InTech Publication	2020
		S. Lakshmana Prabu , A. Umamaheswari, A. Puratchikody	Near-Infrared Spectroscopic techniques and its analytical application in Pharmaceutical Industries	Nova Science Publishers	2020
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		R. Thirumurugan. M. Rengasway, G. Venkatesan, S Lakshmana Prabu .	Remediation approaches for the degradation of textile dye effluents as sustaining Environment. In: Sustainability studies: Environmental and Energy Management.	Bentham Science	2022
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		S. Lakshmana Prabu , N.Nishitha, A. Umamaheswari, M. Vijayalakshmi.	Advanced Treatment Strategies to combat Tay - Sachs disease (TSD). In: Drug Delivery Systems for Metabolic Disorders.	Academic Press is an imprint of Elsevier.	2022
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11.	Dr.M. Vijayalakshmi	A. Umamaheswari, M. Vijayalakshmi , A. Prabitha Priyadharshini, C. Dinesh Kumar, Kamal Dua, S. Lakshmana Prabu.	Drug delivery systems in Krabbe Disease: Present and prospective approaches. In: Drug Delivery Systems for Metabolic Disorders.	Academic Press is an imprint of Elsevier	2022
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		A. Umamaheswari, M. Vijayalakshmi , M. Dhivya Sree, S. Lakshmana Prabu, A.Puratchikody.	Cogent and Strategic Approaches for Gene Delivery with Nanostructures.	Apple Academic Press, Inc. Co-published with CRC Press (Taylor & Francis.	2022