

Faculty Research Publications 2024-25

S. No.	Title	Authors	Journal Name	Web page of journal link
1	Application of Machine Learning Techniques in Predicting Drug-Drug Interactions	S. Vanitha Sagar, Are Anusha , A. Pranitha, Mahesh Anumalla	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-110	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053
2	Development of a Smart Drug Delivery System using Internet of Things (IoT) Technology	B. Laxminarayana, Venu Madhav Katla, Kiranmai Mandava, Naga Sravankumar Varma V, Atul Srivastava, B. Jyothi	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-111	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053
3	Enhancing Drug Formulation Strategies through Nanotechnology	Mandava Kiranmai, Sneha Thakur, P. Naga Haritha, K. Venu Madhav, N. Bhargavi	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-112	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053
4	Integration of Blockchain Technology in Pharmaceutical Supply Chain Management	Naga Raju Kandukoori, P. Sunil Kumar Chaitanya Shaik Shireen, B. Deepika, Rachana Jha	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-113	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053
5	Exploring the Potential of 3D Printing in Personalized Medicine	Mandava Kiranmai, Prakash Katakam, Sneha Thakur, B. Suhasini, Purre Reecha	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-114	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053
6	Design and Optimization of Microfluidic Devices for Drug Screening Applications	Somnath De, Shaik Rahaman, Mandava Kiranmai, Rajini Kolure	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-115	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053
7	Wireless Sensor Networks for Real-Time Monitoring of Drug Adherence in Patients	Are Anusha, Nikita Guptha, Sadia Naseem, Momin Shabana	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-116	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053
8	Utilizing Artificial Intelligence for Pharmacovigilance and Adverse Drug Reaction Detection	Are Anusha, Sadia Naseem, Somnath De, Shaik Rahaman, Uzma Tahniyath, Kiranmai Mandava	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-117	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053
9	Development of Wearable Biosensors for Continuous Monitoring of Biomarkers in Healthcare	Sneha Thakur, Shaik Rahaman, Somnath De, Mandava Kiranmai, Bathini Uday kiran	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-118	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053
10	Optimization of Drug Delivery Systems using Computational Modeling and Simulation	K. Venumadhav, P. Naga Haritha, B. Deepika, B. Jyothi, Wasif Rana	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-119	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053
11	Enhancing Medication Adherence through Wireless Sensor Networks	B. Laxminarayana, S. Vanitha Sagar, K Sravanthi, Are Anusha, T. Sri Harshini	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-94.	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053

12	Bio-Inspired Design of Drug Delivery Systems: Mimicking Nature's Strategies	K. Venu Madhav, Naga Raju Kandukoori, B. Deepika, Shaik Shireen,P. Madhumita	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-130	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053
13	The Impact of Big Data Analytics on Healthcare Decision Making	Somnath De, Are Anusha, Rubina Kauser, B. Suhasini, B. Vaishnavi	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-131	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053
14	Understanding Drug-Drug Interactions: Implications for Clinical Practice	Rubina Kauser, E. Navya Pravala, B. Suhasini, Y. Uma Rani, Keerthana Kulkarni	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-132	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053
15	Integration of Block chain Technology in Pharmaceutical Supply Chains	P. Sunil Kumar Chaitanya, K. Sareesh, A. Santhosh, K. Venu Madhav	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-133	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053
16	Blockchain-enabled Supply Chain Management in Pharmaceutical Industry	P. Sunil Kumar Chaitanya, K. Sareesh, Naga Raju Kandukoori, K. Venu Madhav	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-134	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053
17	Internet of Medical Things (IoMT) for Remote Patient Monitoring	Are Anusha, A. Santhosh, A. Pranitha, Sadia Naseem	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-135	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053
18	Data Analytics for Pharmacovigilance and Drug Safety	S. Vanitha Sagar, Somnath De, E. Navya Pravala, Rajini kolure, Kadali Monika Lakshmi	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-136.	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053
19	Detection of Phenols and Triterpenoids in Tagetes lucida through Analytical HPTLC Fingerprints	Nellutla Saritha Devi, A. Santhosh , K. Sareesh, Y. Uma Rani, Adeeba koukab	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-137	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053
20	Smart Drug Delivery Systems: Integrating IoT and Nanotechnology for Enhanced Therapeutic Efficacy	Sneha Thakur,Mandava Kiranmai, K. Venu Madhav,P.Naga Haritha	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-138	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053
21	Molecular Docking Approach Assessment of Sulfanylidene Imidazolidin-4-one Derivatives' Anti-Seizure Effects	Nellutla Saritha Devi, Tasneem Mohammed P. Jagruthi, P. Sai Roopika, P. Sunil Kumar Chaitanya	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-139	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053
22	Statistical analysis and Evaluation of Stavaudine Drug Using a Basic UV and Colormetric Techniques	P. Sunil Kumar Chaitanya, K. Sareesh, Nellutla Saritha Devi, Keerthi Kadimcharla, Mohammed Mohsein uddin, P. Sairoopika	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-157	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053
23	Acute Malnutrition Benefits of Spartan Oral Antioxidant Protocols for Supplementary Therapy with Essential Micronutrients	Sneha Thakur, Mandava Kiranmai, A. Santhosh, B. Uma Rajeswari, Khatija Sultana	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-158	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053

24	Analysis on the impact of immune-boosting foods and exercise's effects on health (post-corona pandemic)	E. Navya Pravala, Tasneem Mohammed, Y. Uma Rani, P. Roja Pathakota, Mohammed Habeeb, Nikita Gupta	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-159	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053
25	An Enhanced Method for Extracting and Assessing Retentive Gastromedicine by Employing Different Research Polymers	Naga Raju Kandukoori, B. Deepika, S. Santosh Kumar,K Sravanthi, Sufia Ruhi	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-160	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053
26	A Novel Formulation to Promote and Enhance Ovata Mucilage Effects via Tablet Formulation Metoclopramide HCL	P. Naga Haritha, Rubina Kauser, B. Jyothi, P. Jagruthi, Uzma Tahniyath	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-161	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053
27	Creation and Assessment of a Model for Floating Sustained Releasing Pellets Using the Omeprazole Method	B.Deepika, B.Uma Rajeswari, Mahesh Anumalla, Prakash Katakam	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-162	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053
28	Evaluation of the relationship between ocular damage and monocular blindness related to ophthalmic illness	B. Deepika, Rajini Kolure, B. Uma Rajeshwari, Nasreen Sulthana, B. Suhasini, P. Naga Haritha	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-163	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053
29	A Wireless Wearable Biosensor for Real-Time Monitoring of Cardiovascular Health Parameters	Somnath De, Ajit singh, E. Navya pravala, B. Suhasini, Keerthi Kadimcharla	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-164	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053
30	A significant and distinct commercially manufactured citric acid aspergillus niger using water hyacinth	Mandava Kiranmai, Sneha Thakur, Nasreen sulthana, Nellutla Saritha Devi, P. Jagruthi,P. Sunil kumar chaitanya, P. Naga Haritha	CSR PRESS Tailor Francis Publisher DOI: 10.1201/9781003618140-165	https://www.routledge.com/Recent-Developments-in-Microbiology-Biotechnology-and-Pharmaceutical-Sciences/Sundaravadivazhagan-Mohan-Rengaraju/p/book/9781041022053