



**List of Books Published / Book Chapter**

**01 April 2021 to 31 March 2022**

<b>FACULTY OF ENGINEERING &amp; TECHNOLOGY</b>	
<b>Department: Aerospace Engineering</b>	
<b>Sl. No.</b>	<b>Paper Details</b>
1	Shruti, K. and Sivapragasam, M. (2021) Numerical Investigation on the Effect of Propeller Slipstream on the Performance of Wing at Low Reynolds Numbers, In Kumar, S. K., Narayanaswamy, I. and Ramesh, V., (eds.), <i>Design and Development of Aerospace Vehicles and Propulsion Systems</i> , Proceedings of SAROD 2018, Singapore, Springer Nature, pp. 129-142. <a href="https://link.springer.com/chapter/10.1007%2F978-981-15-9601-8_9">https://link.springer.com/chapter/10.1007%2F978-981-15-9601-8_9</a> . (Book Chapter)
2	Priyanka, R., Sivapragasam, M. and Narahari, H. K. (2021) Multi-Fidelity Aerodynamic Optimization of an Airfoil at a Transitional Low Reynolds Number, In Kumar, S. K., Narayanaswamy, I. and Ramesh, V., (eds.), <i>Design and Development of Aerospace Vehicles and Propulsion Systems</i> , Proceedings of SAROD 2018, Singapore, Springer Nature, pp. 239-252. <a href="https://link.springer.com/chapter/10.1007%2F978-981-15-9601-8_18">https://link.springer.com/chapter/10.1007%2F978-981-15-9601-8_18</a> . (Book Chapter)
3	Rao, K. S., Sivapragasam, M., Narahari, H. K. and Bharadwaj, A. V. (2021) Aerodynamic Optimization of Transonic Wing for Light Jet Aircraft, In Kumar, S. K., Narayanaswamy, I. and Ramesh, V., (eds.), <i>Design and Development of Aerospace Vehicles and Propulsion Systems</i> , Proceedings of SAROD 2018, Singapore, Springer Nature, pp. 253-265. <a href="https://link.springer.com/chapter/10.1007%2F978-981-15-9601-8_19">https://link.springer.com/chapter/10.1007%2F978-981-15-9601-8_19</a> . (Book Chapter)
<b>Department: Civil Engineering</b>	
<b>Sl. No.</b>	<b>Paper Details</b>
1	Kalita, D. M. and Anitha Kumari, S. D. (2021) Effect of Composite Pile Foundation System on the Behavior of Soft Ground. In: Sitharam, T., Palapati, R. R., Kolathayar, S. (eds.), <i>Seismic Design and Performance</i> , Lecture Notes in Civil Engineering, vol.120, Springer, Singapore. <a href="https://doi.org/10.1007/978-981-33-4005-3_9">https://doi.org/10.1007/978-981-33-4005-3_9</a> . (Book Chapter)

2	Manish, H., Swathi, M. and Anitha Kumari, S. D. (2021) Behaviour of RC Frame Subjected to Fire Following Earthquake. In: Sitharam, T., Palapati, R. R., Kolathayar, S. (eds), <i>Seismic Design and Performance</i> , Lecture Notes in Civil Engineering, vol 120. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-33-4005-3_28">https://doi.org/10.1007/978-981-33-4005-3_28</a> . (Book Chapter)
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**Department: Computer Science and Engineering**

Sl. No.	Paper Details
1	Supriya, M. S., and Kannika Manjunath and Kavana, U. R. (2021) The Rise of IoT and Big Data Analytics for Disaster Management Systems. In Zhao, J. and Kumar V. (Ed.), <i>Handbook of Research on Innovations and Applications of AI, IoT, and Cognitive Technologies</i> (pp. 42-62). IGI Global. <a href="http://doi:10.4018/978-1-7998-6870-5.ch003">http://doi:10.4018/978-1-7998-6870-5.ch003</a> . (Book Chapter)

**Department: Electrical Engineering**

Sl. No.	Paper Details
1	Kiran Kumar, B. M., Indira, M. S. and Nagaraja Rao, S. (2021) Performance Evaluation of Solar PV Using Multiple Level Voltage Gain Boost Converter with C-L-C Cell. In: Mekhilef S., Favorskaya M., Pandey R.K., Shaw R.N. (eds), <i>Innovations in Electrical and Electronic Engineering</i> . Lecture Notes in Electrical Engineering, vol 756. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-16-0749-3_18">https://doi.org/10.1007/978-981-16-0749-3_18</a> . (Book Chapter)

**FACULTY : SCHOOL OF SOCIAL SCIENCES**

**Department: Public Policy**

Sl. No.	Paper Details
1	Singai, C. and Rajashree, K. (2021) India-EU Relations and the National Education Policy-2020: Internationalization at Home in Inamdar, N., Poojary, P. V. and Shetty, P. (Eds.), <i>Contours of India-EU Engagements: Multiplicity of Experiences</i> , Manipal Universal Press. ISBN: 978-93-88337-26-7. pp. 264-278. <a href="https://books.google.co.in/books?hl=en&amp;lr=&amp;id=3OYrEAAQBAJ&amp;oi=fnd&amp;pg=PA199&amp;dq=contours+of+India_EU&amp;ots=dc_vrUvM8b&amp;sig=SjaipDCIhivj6eIhdIPJnKag-Xw&amp;redir_esc=y#v=onepage&amp;q=contours%20of%20India_EU&amp;f=false">https://books.google.co.in/books?hl=en&amp;lr=&amp;id=3OYrEAAQBAJ&amp;oi=fnd&amp;pg=PA199&amp;dq=contours+of+India_EU&amp;ots=dc_vrUvM8b&amp;sig=SjaipDCIhivj6eIhdIPJnKag-Xw&amp;redir_esc=y#v=onepage&amp;q=contours%20of%20India_EU&amp;f=false</a> .

**FACULTY OF LIFE AND ALLIED HEALTH SCIENCES**

**Department: Life and Allied Health Sciences**

Sl. No.	Paper Details
1	Jayanna, K., et.al., (eds.), (2021) <i>COVID-19: Many Facets and Dimensions</i> , Bangalore, Ramaiah Group of Institutions.

2	Angeline, M. S., Ramani, V. K. (2021) Epidemiology of COVID-19: Global and Regional Scenario, in Jayanna, K., et.al., (eds.), <i>COVID-19: Many Facets and Dimensions</i> , Bangalore: Ramaiah Group of Institutions, pp. 19-44. <a href="https://doi.org/10.6084/m9.figshare.14601432.v3">https://doi.org/10.6084/m9.figshare.14601432.v3</a>
3	Murthy, N. S., Nooyi, S. C., Jayanna, K., Kumar, N. (2021) Mathematical Modelling of COVID-19: Introduction and Applications, in Jayanna, K., et.al., (eds.), <i>COVID-19: Many Facets and Dimensions</i> , Bangalore: Ramaiah Group of Institutions, pp. 45-90. <a href="https://doi.org/10.6084/m9.figshare.15451386.v1">https://doi.org/10.6084/m9.figshare.15451386.v1</a>
4	Kumar, N., Ram, A., Lalitha, K., Isaac, A., Chaudhury, N., Jayanna, K. (2021) Public Health Response to COVID-19 Pandemic in India and Kenya-a Health Systems Perspective, in Jayanna, K., et.al., (eds.), <i>COVID-19: Many Facets and Dimensions</i> , Bangalore, Ramaiah Group of Institutions, pp. 91-122. <a href="https://doi.org/10.6084/m9.figshare.15455820.v1">https://doi.org/10.6084/m9.figshare.15455820.v1</a>
5	Shaw, T., Kowatsch, M., Indumathi, V. A., Kathirvel, M., Menon, S., Sharma, S. (2021) Microbiological Characteristic of Novel Coronavirus, in Jayanna, K., et.al., (eds.), <i>COVID-19: Many Facets and Dimensions</i> , Bangalore, Ramaiah Group of Institutions, pp. 141-154. <a href="https://doi.org/10.6084/m9.figshare.14480376.v1">https://doi.org/10.6084/m9.figshare.14480376.v1</a>
6	Shvartsman, E., Shaw, T., Kowatsch, M., Becker, M., Fowke, K. R., MacDonald, K. S. (2021) Challenges in Laboratory Diagnosis of SARS-CoV-2, in Jayanna, K., et.al., (eds.), <i>COVID-19: Many Facets and Dimensions</i> , Bangalore, Ramaiah Group of Institutions, pp. 155-188. <a href="https://doi.org/10.6084/m9.figshare.14612367.v1">https://doi.org/10.6084/m9.figshare.14612367.v1</a>
7	Krishnappa, P., Sagarkar, A., Murthy, B. V. S., Tejaswini, B. D., Sundaresh, D. C., Prakashchandra (2021) Dental Care Provision in COVID-19: Challenges and Readiness, in Jayanna, K., et.al., (eds.), <i>COVID-19: Many Facets and Dimensions</i> , Bangalore, Ramaiah Group of Institutions, pp. 411-438. <a href="https://doi.org/10.6084/m9.figshare.14723889.v1">https://doi.org/10.6084/m9.figshare.14723889.v1</a>
8	Prabhu, A., Mishra, R., Sundaresh, D., Dubey, G. (2021) Change in the Eye Care Services and Delivery Systems During COVID-19 Pandemic- An Overview, in Jayanna, K., et.al., (eds.), <i>COVID-19: Many Facets and Dimensions</i> , Bangalore, Ramaiah Group of Institutions, pp. 445-466. <a href="https://doi.org/10.6084/m9.figshare.14727246.v1">https://doi.org/10.6084/m9.figshare.14727246.v1</a>
9	Tejaswini, B. D., Pusphanjali, K., Shwetha, K. M., Singai, C., Jayanna, K. (2021) Social Determinants and COVID-19, in Jayanna, K., et.al., (eds.), <i>COVID-19: Many Facets and Dimensions</i> , Bangalore, Ramaiah Group of Institutions, pp. 485-508. <a href="https://doi.org/10.6084/m9.figshare.14632515.v1">https://doi.org/10.6084/m9.figshare.14632515.v1</a>
10	Joshi, M. (2021) Impact of COVID-19 on Teaching and Learning in Higher Education, in Jayanna, K., et.al., (eds.), <i>COVID-19: Many Facets and Dimensions</i> , Bangalore, Ramaiah Group of Institutions, pp. 509-518. <a href="https://doi.org/10.6084/m9.figshare.14501022.v1">https://doi.org/10.6084/m9.figshare.14501022.v1</a>
11	Singai, C. (2021) Impact of COVID-19 Pandemic on Higher Education in India: The way Forward, in Jayanna, K., et.al., (eds.), <i>COVID-19: Many Facets and Dimensions</i> , Bangalore, Ramaiah Group of Institutions, pp. 555-570. <a href="https://doi.org/10.6084/m9.figshare.14812335.v1">https://doi.org/10.6084/m9.figshare.14812335.v1</a>
12	Sayee, R., Leelavathy, N. (2021) A Descriptive Model of Amsams and Genes Transmission from Seven Generations, In Mohamed Fawzy Ramadan Hassanien. (ed.) <i>New Visions in Biological Sciences</i> . Egypt, Book Publisher International, pp. 117-122.

13	Sayee, R., Leelavathy, N. and Kulkarnin, R. N. (2021) A Brief Study about Handedness in Writing, Chapter 5, In Giuseppe Murdaca. (ed.) <i>New Frontiers in Medicine and Medical Research</i> , Vol 15. Italy, Book Publisher International, pp. 36-45. <a href="https://www.bookpi.org/bookstore/product/new-frontiers-in-medicine-and-medical-research-vol-15">https://www.bookpi.org/bookstore/product/new-frontiers-in-medicine-and-medical-research-vol-15</a> .
14	Sayee, R. Leelavathy, N. Lalitha, C. (2021) Study about Paternal Age: an Approach Towards Considerable Confounding Risk Factor in Chromosomal Aneuploidies, Chapter 11, in Giuseppe Murdaca. (ed.) <i>New Frontiers in Medicine and Medical Research</i> , Vol 15. Italy, Book Publisher International, pp. 95-99. <a href="https://www.bookpi.org/bookstore/product/new-frontiers-in-medicine-and-medical-research-vol-15">https://www.bookpi.org/bookstore/product/new-frontiers-in-medicine-and-medical-research-vol-15</a> .

**Department: Biotechnology**

Sl. No.	Paper Details
1	Venkata Krishna Bayineni, Sonu Krishankumar, Shyam, S. Kurup and Prashanthi Karyala (2021) Antiviral Effects of Probiotic Metabolic Products and Herbal Extracts Against Coronavirus, In <i>COVID-19: Many Facets and Dimensions A Multidisciplinary Compendium of Current Evidence and Experience</i> , DOI: <a href="https://doi.org/10.6084/m9.figshare.14624460.v1">https://doi.org/10.6084/m9.figshare.14624460.v1</a>
2	Naine, J., Keshava, R. and Selvam, A. (2021) Herd Immunity and Vaccines, in Jayanna, K., et.al., (eds.), <i>COVID-19: Many Facets and Dimensions, Bangalore, Ramaiah Group of Institutions</i> , pp. 247-254. <a href="https://doi.org/10.6084/m9.figshare.14845119.v1">https://doi.org/10.6084/m9.figshare.14845119.v1</a> (Book Chapter)
3	Bayineni, V. K., Krishankumar, S., Kurup, S. S. and Karyala, P. (2021) Antiviral Effects of Probiotic Metabolic Products and Herbal Extracts Against Coronavirus, in Jayanna, K. et.al., (eds.), <i>COVID-19: Many Facets and Dimensions, Bangalore, Ramaiah Group of Institutions</i> , pp. 255-266. <a href="https://doi.org/10.6084/m9.figshare.14624460.v1">https://doi.org/10.6084/m9.figshare.14624460.v1</a>
4	Chaki, S. (2021) COVID 19 Vaccine: The Bright Side of Human Creativity, in Jayanna, K., et.al., (eds.) <i>COVID-19: Many Facets and Dimensions. Bangalore, Ramaiah Group of Institutions</i> , pp. 549-554. <a href="https://doi.org/10.6084/m9.figshare.14891316">https://doi.org/10.6084/m9.figshare.14891316</a>
5	Kamatchi Sundara Saravanan, Selvam Arjunan, Selvaraj Kunjiappan, Parasuraman, P. Avadai and Lakshmi M. Sundar (2021) <i>Antiviral Drug Discovery and Development</i> , Springer Nature. ISBN: 978-981-16-0266-5.
6	Debasish Kar (2021) <i>Comprehensive Life Sciences (Volume I)</i> , Publisher: VIVA Books Pvt. Ltd. New Delhi, ISBN – 9789390054886.
7	Debasish Kar (2021) <i>Comprehensive Life Sciences (Volume II)</i> , Publisher: VIVA Books Pvt. Ltd, New Delhi. ISBN – 9789390054893.
8	Naine, J., Keshava, R., Selvam, A. (2021) Herd Immunity and Vaccines, in Jayanna, K., et.al., (eds.) <i>COVID-19: Many Facets and Dimensions, Bangalore: Ramaiah Group of Institutions</i> , pp. 247-254. <a href="https://doi.org/10.6084/m9.figshare.14845119.v1">https://doi.org/10.6084/m9.figshare.14845119.v1</a> .
9	Bayineni, V. K., Krishankumar, S., Kurup, S. S., Karyala, P. (2021) Antiviral Effects of Probiotic Metabolic Products and Herbal Extracts Against Coronavirus, in Jayanna, K., et.al., (eds.) <i>COVID-19: Many Facets and Dimensions. Bangalore: Ramaiah Group of Institutions</i> , pp. 255-266. <a href="https://doi.org/10.6084/m9.figshare.14624460.v1">https://doi.org/10.6084/m9.figshare.14624460.v1</a> .

10	Chaki, S. (2021) COVID 19 Vaccine: The Bright Side of Human Creativity, in Jayanna, K., et.al., (eds.) <i>COVID-19: Many Facets and Dimensions</i> , Bangalore: Ramaiah Group of Institutions, pp., in Jayanna, K., et.al., (eds.) , Bangalore: Ramaiah Group of Institutions, pp. 549-554. <a href="https://doi.org/10.6084/m9.figshare.14891316">https://doi.org/10.6084/m9.figshare.14891316</a>
11	Debasish Kar (ed.), (2021) <i>Elements of ICMR JRF Life Science</i> , Atlantic Book Publisher, New Delhi.
12	Debasish Kar (ed.), (2021) <i>Elements of GATE Biotechnology</i> , Notion Press Book Publisher, Chennai.
13	Debasish Kar (ed.), (2021) <i>Elements of GATE Biochemistry</i> , Notion Press Book Publisher, Chennai.
14	Debasish Kar (ed.), (2021) <i>Elements of GATE Microbiology</i> , Notion Press Book Publisher, Chennai.
15	Debasish Kar (ed.), (2021) <i>Elements of GATE Botany</i> , Notion Press Book Publisher, Chennai.
16	Debasish Kar (ed.), (2021) <i>Elements of GATE Zoology</i> . Notion Press Book Publisher, Chennai.
17	Debasish Kar (ed.), (2021) <i>Replication of GATE Life Science and Biotechnology</i> , Notion Press Book Publisher, Chennai.
18	Debasish Kar (ed.), (2021) <i>Chemistry for GATE Life Science</i> , Notion Press Book Publisher, Chennai.
19	Gonsalves, R. C., Pacharla, H., Manohar, S., Belliraj, S. K., Tripathi, E., Karyala, P. and Pakala, S. B. (2021) Chapter 11 - SARS-CoV-2—Host Cell Interactions and Pathways: Understanding its Physiology, Pathology, and Targeted Drug Therapy. in Buddolla Viswanath (ed.) <i>Pandemic Outbreaks in the 21st Century</i> . Academic Press, pp. 185-210. ISBN 9780323856621. <a href="https://doi.org/10.1016/B978-0-323-85662-1.00006-9">https://doi.org/10.1016/B978-0-323-85662-1.00006-9</a> .

**Department: Food Technology**

Sl. No.	Paper Details
1	David Elisha Henry and Venkateswara Rao, V. (2021) Antibiotic-Associated Diarrhea and Update on Probiotics Recommendations, Probiotic Research in Therapeutics, Vol. 2: <i>Modulation of Gut Flora: Management of Inflammation and Infection Related Gut Etiology</i> , Springer Nature, ISBN: 978-981-33-6235-2 E-book: 978-981-33-6236-9.
2	David Elisha Henry and Venkateswara Rao V. (2021) Antibiotic-Associated Diarrhea and Update on Probiotics Recommendations In Probiotic Research in Therapeutics, Vol. 2: <i>Modulation of Gut Flora: Management of Inflammation and Infection Related Gut Etiology</i> . Springer Nature, ISBN: 978-981-33-6235-2 , E-book: 978-981-33-6236-9
3	Nanje Gowda, N. A., Chennappa Gurikar and Lokesh, A. C. (2021) Chapter titled: Mushroom Cultivation: A Sustainable Solution for the Management of Agriculture Crop Residues, Book title: <i>Recent Advances in Mushroom Cultivation Technology and its Applications</i> , Vol-1. The Bright Sky Publications, New Delhi. <a href="https://doi.org/10.22271/bs.book.20">https://doi.org/10.22271/bs.book.20</a> .
4	Nanje Gowda, N. A., Chennappa Gurikar and Hanumantharaj, K. N. (2021) Chapter title: Disinfection Methods for Mushroom Substrate Preparation. Book Title: <i>Recent</i>

	<i>Advances in Mushroom Cultivation Technology and its Applications</i> , Vol-1. The Bright Sky Publications, New Delhi. <a href="https://doi.org/10.22271/bs.book.20">https://doi.org/10.22271/bs.book.20</a>
<b>FACULTY OF DENTAL SCIENCES</b>	
<b>Department: Oral Medicine and Radiology</b>	
<b>Sl. No.</b>	<b>Paper Details</b>
1	Shwetha, V., Shruthi, N., Pushpalatha., Deveswaran, R., Anbu, J. and Vineeth Kumar, K. (2021) Biosafety and Toxicity of Nanomaterials for the Management of Drug and Gene Delivery, <i>In: Pal K. (eds) Bio-Manufactured Nanomaterials</i> , pp. 227-251. (Book Chapter)
2	Deepa Jatti Patil and Rakesh Nagaraju (2021) Personalised Precision Medicine- a Novel Approach for Oral Cancer Management, <i>Oral Cancer - Current Concepts and Future Perspectives</i> , Intech Open, DOI: 10.5772/intechopen.99558. Available from: <a href="https://www.intechopen.com/chapters/78142">https://www.intechopen.com/chapters/78142</a> . (Book Chapter)
<b>FACULTY OF ART &amp; DESIGN</b>	
<b>Department: Fashion Design</b>	
<b>Sl. No.</b>	<b>Book Details</b>
1	Mamatha G. Hegde (2021) <i>Garcinia Indica Natural Dyeing- First e-Book Edition Published</i> , Published by <i>Textile Academic Publishing and Services an Imprint of Publisher SMART x EduCom LLP</i> , ISBN Number- 978-81-953329-4-6. <a href="https://www.amazon.com/dp/8195332943/ref=cm_sw_r_wa_awdb_imm_FKY45Q29B6AC4JED1XTY">https://www.amazon.com/dp/8195332943/ref=cm_sw_r_wa_awdb_imm_FKY45Q29B6AC4JED1XTY</a>
<b>FACULTY OF PHARMACY</b>	
<b>Department: Pharmaceutics</b>	
1	Dhrubojyoti Mukherjee, Shvetank Bhatt (2021) Advanced Drug Delivery Systems in Hepatocellular Carcinoma, <i>Advanced Drug Delivery Systems in Management of Cancer</i> , Chapter 18 ( <b>Elsevier</b> ), 225-234. (Book Chapter) <a href="https://doi.org/10.1016/B978-0-323-85503-7.00023-7">https://doi.org/10.1016/B978-0-323-85503-7.00023-7</a>