

DEPARTMENT OF BOTANY

Book Chapters

2021

1. **Silvy Mathew.** (2021). Conservation of biodiversity and traditional knowledge of ethnic community of southern districts of Kerala, India. Biodiversity Conservation and Ecosystem Restoration. ISBN: 978-81-950842-9-6, PP. (1-9). Vimala College Publications, Thrissur, Kerala.
2. **Silvy Mathew,** Victório C.P. (2021) Carbon Nanotubes Applications in Agriculture. In: Abraham J., Thomas S., Kalarikkal N. (eds) Handbook of Carbon Nanotubes. Springer, Cham. https://doi.org/10.1007/978-3-319-70614-6_35-1
3. **Jayalakshmi, M.,** and Varghese M C. (2021). Ethno botanical studies on medicinal plants used by the Ullada tribes of Pathanamthitta district, Kerala. Biodiversity Conservation and Ecosystem Restoration. ISBN: 978-81-950842-9-6, PP. (141-147). Vimala College Publications, Thrissur, Kerala.
4. Alna Thomas, Anpin Raja, R and **Jayalakshmi, M.** (2021). A preliminary investigation on the moss flora of Karnataka forest-Virajpet division. Biodiversity Conservation and Ecosystem Restoration. ISBN: 978-81-950842-9-6, PP. (37-42). Vimala College Publications, Thrissur, Kerala.
5. Athira, K.D and **Jayalakshmi, M.** (2021). Floristic and ecological analysis of selected areas of Poomala dam in Thrissur district, Kerala. Biodiversity Conservation and Ecosystem Restoration. ISBN: 978-81-950842-9-6, PP. (43-49). Vimala College Publications, Thrissur, Kerala.
6. **Jayalakshmi, M,** Sreekala A.K and Maria Theresa. (2021). Signaling strategies and pollination syndromes exhibited by caesalpiniod members. Emerging Trends in Plant sciences. ISBN: 978-81-950842-8-9, PP. (186-195). Vimala College Publications, Thrissur, Kerala.
7. **Karthika, S. Menon** and C.C.Harilal (2021). Feasibility studies on the sequestration of atmospheric carbon dioxide using selected microalgal members. Biodiversity Conservation and Ecosystem Restoration. ISBN: 978-81-950842-9-6, PP. (154-162). Vimala College Publications, Thrissur, Kerala.
8. **Karthika, S. Menon.** (2021). A review on the designs and performances of selected microalgal engineering systems for mass multiplications. Emerging Trends in Plant sciences. ISBN: 978-81-950842-8-9, PP. (178-185). Vimala College Publications, Thrissur, Kerala.
9. Divya Varghese, **Karthika, S. Menon,** Sona Peter P, Amrutha Sundaran, Riya Antony. (2021). Review about natural plant-based products: A less focused aspect for the pandemic outbreak. Emerging Trends in Plant sciences. ISBN: 978-81-950842-8-9, PP. (90-98). Vimala College Publications, Thrissur, Kerala.

2020

1. Anagha Anto, Anu, C. Benny, Swetha Ratnakaran and **Sheeja T Tharakan** (2020). Herbal Plants with Wound Healing Activity. Recent Advances in Life Sciences. ISBN: 978-93-90541-71-3, PP. (1-11). AkiNik Publications, New Delhi, India.
2. Lakshmi Jayachandran, Rose Angel Ouseph, Sigma Sivadas, E., Sreelakshmi K, S., Steni Lazar and **Manju Madhavan** (2020). Phytochemical Constituents and Pharmacology of Banana Peels: A Review. Recent Advances in Life Sciences. ISBN: 978-93-90541-71-3, PP. (25-36). AkiNik Publications, New Delhi, India.
3. **Smitha, P.S., Sheeja, T. Tharakan** and **Manju Madhavan** (2020). Green nanoparticles from different plant groups. Phytonanotechnology- Challenges and Prospects. ISBN: 978-0-12-822348-2. PP (51-70). Elsevier.

4. **Silvy Mathew** (2020). Phytonanotechnology: A historical perspective, current challenges and prospects. ISBN: 978-0-12-822348-2. PP (1-15). Elsevier, USA.
5. Anjusha Suki and **Karthika, S.Menon** (2020). Feasibility of biofuel in sustainable future: A review on algal types, production systems. Recent Advances in Life Sciences. ISBN: 978-93-90541-71-3, PP. (15-24). AkiNik Publications, New Delhi, India.
6. Sona Peter, P and **Karthika S.Menon** (2020). Phytochemical and antifungal evaluation of *Capsicum frutescens*. Recent Advances in Life Sciences. ISBN: 978-93-90541-71-3, PP. (37-47). AkiNik Publications, New Delhi, India.
7. Kaveri, I.J. and **Karthika S. Menon** (2020). Wastewater treatment using microalgae- A review. Recent Advances in Life Sciences. ISBN: 978-93-90541-71-3, PP. (63-76). AkiNik Publications, New Delhi, India.
8. Anu C Benny, Swetha Ratnakaran, Anagha Anto and **Sheeja, T. Tharakan** (2020). Phytochemical analysis and in vitro antiarthritic activity of *Nyctanthes arbor-tristis* (LINN.) Recent Trends in Plant sciences. ISBN: 978-81-950842-0-3, PP (79-84). Vimala College Publications, Thrissur, Kerala.
9. Ashna, K, S and **Manju Madhavan** (2020). Pharmacognostic evaluation of leaf extracts of *Clinacanthus nutans* Lindau (Acanthaceae). Recent Trends in Plant sciences. ISBN: 978-81-950842-0-3, PP (79-84). Vimala College Publications, Thrissur, Kerala.

2019

1. **Manju Madhavan**, Nivedhya K K, Radhu KR, Jaisa PJ, Jinfy KA and Haripriya PS (2019). Phytochemical evaluation and Total Phenol quantification of callus leaf explants of *Pittosporum dasycaulon* Miq. IX International Conference on Multidisciplinary Research. ISBN: 978-81-943584-6-6, PP. (108-116).

2018

1. **Silvy Mathew** (2018). Density dependent interrelationship between tropical frugivorous birds and pollinated plants with implication for the conservation of fruit bird interactions. Recent trends in Zoology, Biodiversity Genetics and Environmental Sciences. ISBN: 978-93-86435-62-0, PP. (17-22). Department of zoology, JB campus, Bangalore University, Karnataka and International Multidisciplinary Research Foundation, India.