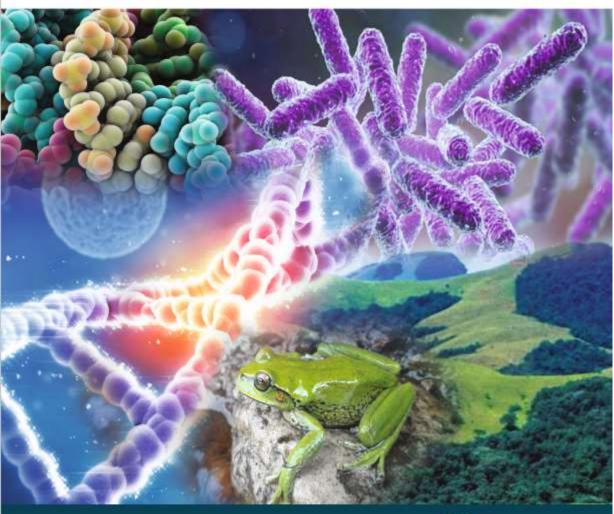
TRENDS IN ADVANCED BIOLOGY





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Etiology of fungi causing leaf rot disease of coconut in Kerala Susha S. Thara; Deepthi S. Nair; Divya S. and Aashitha Joy
An induction of antioxidant defense and protease inhibitor activity in Solanum lycopersicum Linn. Pretreated with laminarin against Alternaria solani infection S. P Sowmiyarithika. and N Radhakrishnan
Bioaccumulation of E. coli in Villorita cyprinoides of Ashtamudi Estuary, Ramsar Site -1204 in Kerala, South west coast of India Letty Titus and B.T. Sulekha
Studies on the endemic and threatened flowering plants of Vagamon hills, Western Ghats, India Anoop P. Balan and A. J. Robi
Validation of anti-diabetic activity in <i>Plectranthus vettiveroides</i> and identification of lead molecules through <i>in silico</i> method R. P. Remya, S.Sreekumar and C. K.Biju
Role of Bioinformatics in target identification and differentiation of papillary thyroid carcinoma: A study based on GEO dataset Febby Payva and K. S. Santhy
Evaluation of heavy metal pollution in water, sediment and <i>Meretrix casta</i> , an edible bivalve species of Asramam in Ashtamudi wetland, Kerala, India N. Parvathy, B.T. Sulekha and S. Sheeba
Status and distribution of medicinal plants in the Malamel rock exposure of Edamulakkal Panchayat, Kollam District Anila George, Morvin Mathew Kizhakekara, Nilja Arjun
Diversity of exopolysaccharide producing bacteria from soil based insect nesting structures N. Sruthi Suresh, N. Chitra, S. Anu Rajan, V. I. Soumya and K. N.Anith
Pro-adipogenic PU.1 AS long noncoding RNA expression changes during adipogenesis B. Surumi. R. Rajalakshmi, G. M. Nair, A. Jayakumaran nairA. Gangaprasad, C. Prabhakumari
Study on butterfly diversity in a sacred groovelocated in Alapad village. C. J. Vishnupriya and Praseeja cheruparambath
Establishment of axenic culture of <i>Hyophila involuta</i> (Hook.) A. Jaeger Megha Santhosh, Meenu Mathew, Abraham Mathew
Comparative pharmacological study of Piper nigrum L., Piper longum L. and Piper betle L. Sruthy Elsa Madhu, K. B Soubhagya. and Benoj Mathew

Status and distribution of medicinal plants in the Malamel rock exposure of Edamulakkal Panchayat, Kollam District

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Abstract

Biodiversity is declining worldwide due to human intervention and one of the main factors for declining biodiversity is habitat destruction and fragmentation. The expanding human population and growing developmental initiatives have led to the increasing demand for natural resources. One such example of habitat change is due to the quarrying industry. The consequent expansion of mining and quarrying activities in urban and rural areas ends up in the degradation of ecologically sensitive and biodiversity-rich landscapes. The present investigation is centered on the landscape of Malamel para (rock exposure) and its adjoining areas of Malamel of the Edamulakkal Panchayat of the Kollam district. Malamel is a place noted for its enormous beauty, high rising rocks, and pleasant climatic conditions. It is a region rich in plant diversity, with different species of medicinal plants. The modifications and disturbances in the study area and the rock extractions may have the worst effect on the floral diversity. Therefore, an attempt has been made to identify the floral diversity of the rock exposure, Malamel Para in the Edamulakkal Panchayat. Quadrat methods were adopted to quantitatively analyze medicinal plants in the study area. It was