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Autore	Basu Saurabh
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Altri autori (Persone)	AchalkumarA. S PramanikSubrata PandeyLalit M
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Nota di contenuto	Machine Learning based Classification of Early and Late Mild Cognitive Impairment Conditions using Structural MR Images of Fornix and Geometric Features -- A study on extraction of pectin from citrus fruits and its therapeutic implications -- Aromatic – Interactions in Self-assembled Nanostructured Materials -- In-silico and in-vivo evaluation of synthesized ursolic acid derivative as anti-hyperlipidemic agent -- Development of Electronic Tongue (e-tongue) Based Technique for Classification of Dairy Products -- Molecular cloning, expression, and generation of UPF3B-3'UTR stable expression mammalian cell line -- Anti-Oxidant Assays in Biological Fluids and Their Potential for Detection of Diseases -- Phytochemical profile, antioxidant and antimicrobial potential of the extract of various Curcuma spp. from Manipur -- Use of dopant-free vanadium oxide (V <sub>2</sub> O <sub>x</sub> ) as hole selective layer while fabrication of single side silicon heterojunction solar cell --

Study of the Effective Electron Neutrino Mass of the Neutrino Mass Matrix with Vanishing Trace and One Vanishing Minor -- Advanced Porous Carbon Aerogels for High-Performance Energy Storage Applications -- Lane formation in 3D Pair-Ion Plasmas: effect of magnetic field and time varying nature of non-parallel electric field -- Rapid and Cost-Effective In situ Fabrication of Nanoporous Membranes in Microfluidic Devices for Biomedical and Environmental Applications -- etc.

**Sommario/riassunto**

This book presents the proceedings of the 9th edition of Research and Industrial Conclave (RIC 2024) held at the Indian Institute of Technology (IIT) Guwahati, from 9 to 11 August 2024. It features a diverse collection of peer-reviewed research articles, highlighting emerging trends and application-oriented studies across a broad spectrum of science and technology domains. Broadly, this book features research in Chemistry, Physics, Biosciences and Bioengineering, and Biomedical and Health Sciences, capturing the diversity and depth of interdisciplinary exploration. It captures the essence of modern interdisciplinary research and aims to inspire further investigation and collaboration among researchers, academicians, and industry professionals. The contributions in this book is of particular interest to scholars, early-career researchers, and professionals in the fields of applied sciences, engineering, biomedical innovation, materials research, and computational healthcare technologies.