

1. Record Nr.	UNINA9911049187303321
Autore	Dixit Uday Shanker
Titolo	Current Progress in Engineering Sciences : Select Papers of RIC 2024, Volume 1 // edited by Uday Shanker Dixit, Nipjyoti Bharadwaj, Sumit Kumar, Debabrata Sikdar
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	981-9687-53-5
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (806 pages)
Collana	Education Series
Disciplina	607.11
Soggetti	Technical education Technological innovations Education Engineering and Technology Education Innovation and Technology Management Education Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Performance Evaluation of Water Treatment Sludge based Geopolymer for Road Subgrade Application -- Effectiveness and Challenges of Local Retrofitting Methods Used in Low- and Medium-Rise Non-Ductile RC-OGS Frames -- Sustainable Mobility: Evaluating the Utility of E-Rickshaw in Medium-Sized City using a Binary Logit Model -- Traffic Safety Evaluation of School Zones in Guwahati City using Microsimulation Modeling -- Extraction of Flow-Power from VIV of Two Cylinders in Diagonal Arrangement at Low Re -- Effect of Phase Change Material on Effective Battery Thermal Management under Various Ambient Temperatures and high discharge rate -- Wake Shedding Characteristics of an Airfoil in Low Reynolds Number Regime -- Comparative analysis of mechanical properties of Al-Mg-Si alloy fabricated by single and multi-track friction stir additive manufacturing -- A Novel Method of Calculating the Degrees of Freedom of Planar Linkages Using the Concepts of Linear Algebra -- etc.
Sommario/riassunto	This book features selected proceedings of the Ninth Research & Industrial Conclave (RIC 2024), held from August 9 to 11, 2024, under

the theme “Integration’24.” It includes papers spanning a wide range of disciplines, including Civil, Mechanical, Electrical, Electronics, Computer, and Chemical Engineering. In today’s rapidly evolving technological landscape, the integration of diverse engineering domains is more important than ever, as traditional disciplinary boundaries continue to blur. The contributions in this volume emphasize the significance of sustainability and interdisciplinary research. This book serves as a valuable reference for students, researchers, and industry professionals seeking to stay informed about the latest advancements and trends in engineering and technology.

---