1. | | |
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| Record Nr. | UNINA9911018640803321 |
| Autore | Lahiri Dibyajit |
| Titolo | Introduction to Metabolic Engineering and Application / / edited by Dibyajit Lahiri, Moupriya Nag, Debasmita Bhattacharya, Sujay Ghosh |
| Pubbl/distr/stampa | Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025 |
| ISBN | 9783031931895 9783031931888 |
| Edizione | [1st ed. 2025.] |
| Descrizione fisica | 1 online resource (421 pages) |
| Collana | Biologically-Inspired Systems, , 2211-0607 ; ; 19 |
| Altri autori (Persone) | NagMoupriya BhattacharyaDebasmita GhoshSujay |
| Disciplina | 572 |
| Soggetti | Biochemistry Metabolism Cytology Chemical Biology Metabolic Pathways |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di contenuto | -- Introduction to Metabolic Engineering. -- Metabolic Control in Eukaryotes. -- Metabolic Control in Prokaryotes. -- Mathematical Modelling and Simulations for Enzyme Immobilization Process. -- Models of Enzymatic Reactions. -- Pathways and Transport Mechanism of Various Metabolites. -- Instrumentation Techniques in Metabolite Detection. -- Introduction to Biological Network. -- Application of MATLAB in Metabolic Engineering. -- Thermodynamics and metabolic Flux Analysis. -- Bioenergetic of Enzymatic Reaction. -- Genetic Engineering and Modulation of Metabolic Pathways. -- Enzyme Engineering and Its Industrial Applications. |
| Sommario/riassunto | The book unlocks the future of metabolic research with our comprehensive resource, designed for scientists, clinicians, and industry professionals. This expertly curated collection delves into cutting-edge advancements in metabolic pathways, disease mechanisms, and innovative therapeutic strategies. Covering everything from fundamental biochemistry to translational medicine, our content |

bridges the gap between research and clinical application. Whether you're exploring metabolic disorders, precision medicine, or novel biomarkers, this resource provides in-depth insights backed by the latest scientific discoveries. Elevate your expertise and stay ahead in the dynamic field of metabolic sciences—your essential guide to ground breaking innovations awaits.

2. Record Nr.	UNISA996668470803316
Autore	Gervasi Osvaldo
Titolo	Computational Science and Its Applications – ICCSA 2025 Workshops : Istanbul, Turkey, June 30 – July 3, 2025, Proceedings, Part XII / / edited by Osvaldo Gervasi, Beniamino Murgante, Chiara Garau, Yeliz Karaca, Maria Noelia Faginas Lago, Francesco Scorza, Ana Cristina Braga
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2026
ISBN	3-031-97660-6
Edizione	[1st ed. 2026.]
Descrizione fisica	1 online resource (702 pages)
Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 15897
Altri autori (Persone)	MurganteBeniamino GarauChiara KaracaYeliz Faginas LagoMaria Noelia ScorzaFrancesco BragaAna Cristina
Disciplina	004.6
Soggetti	Computer networks Computer engineering Computer systems Artificial intelligence Computer Communication Networks Computer Engineering and Networks Computer System Implementation Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

Nota di contenuto	-- Theoretical and Computational Chemistry and its Applications (TC-CMA 2025). -- Computational Insights into Perovskite Materials: Classical Molecular Dynamics and Ab Initio Approaches. -- Comparative Evaluation of Molecular Representation Models for Simulation of Methane Adsorption on Graphtriyne Sheet. -- Permeation of Polychlorinated Biphenyls through Lipid Membranes: Classical MD and QM/MM-EDA Analysis. -- On the Mechanism Responsible of the Varying Adsorption Affinities of CO_2, N_2 and H_2O on Graphtriyne Membranes. -- Accurate Force Field for Dimer Interactions: From Acetone to Dimethylsulfoxide. -- Sustainable Tourism Evaluations: approaches, methods and indicators (STEva 2025). -- Tourism Ecosystems New Challenges. -- Towards a user-centered ex-post evaluation: monitoring Jubilee 2025. -- Hostile architecture as a tool of exploitation of tourists and contrast toward residents. First assessments of the effects. -- Sustainable development of PORTS (SUSTAINABLEPORTS 2025). -- Assessing Ship Emissions: An Estimation Approach applied to the port of Catania (Italy). -- ICT factors affecting ship times in container ports: experimental analysis at country level. -- National and local factors affecting ship times in container ports: system of models at country and port level. -- Enhancing Port Accessibility: Challenges, Measures, and Sustainability in Terminal Design. -- Spatial Temporal Simulation of Routes Connecting Containers Ports. -- Smart and Sustainable Island Communities (SSIC 2025). -- On the application of the new Italian Bridge Guidelines: the case of Sardinia region. -- Linking Tourism Hotspots and Vulnerability to Climate Change - Case Study Rhodes Island, Greece. -- Developing a Methodological Framework to Assess Social Equity in Regional Spaces Through the Lens of Space Syntax. -- BIM and building heritage management: interoperability issues in structural design. -- From STreet Experiments to Planned Solutions (STEPS 2025). -- Planning guidelines for parklets installation: a possibile integration into urban planning strategies. -- A New Definition of a Smart and Healthy City Through a Literature Review on Accessible Urban Green Space. -- How to Ensure Safety and Promote the Permanence of School Streets?. -- CPSO FOR INNOVATIVE TRANSPORT PLANNING AND DESIGNING. -- Temporary Real Estate management: Approaches and methods for Time-integrated impact assessments and evaluations (TREAT 2025). -- PS-U-GO's Urban Living Lab: An Educational Space for Urban Commons in Naples (Italy). -- A game-based collaborative decision-making approach for cultural heritage reuse. -- Good Practices Inventory and Why It Matters to Urban Health and Inclusivity. -- Transdisciplinary Impact-oriented Strategies through a Design-Evaluation approach: The case Study of Confiscated Assets from the Mafia in Naples. -- Transforming Urban Analytics: The Impact of Crowdsourced Mapping and Advanced AI Techniques on Future Cities (Tr-UrbAna 2025). -- Predicting visitors' digital footprints using spatial features and synthetic pedestrian data. -- Crowdsourced Data for Urban Planning: A Critical Evaluation of OpenStreetMap Accuracy and Completeness. -- Urban Digital Twins and Data Spaces: Shaping the Future of Sustainable Cities (TwinAbleCities 2025). -- GATE Mobility Toolbox for QGIS: Calculation of Walking Accessibility Using Slope-Adjusted Algorithms. -- Location-Allocation of Social Amenities Based on Constraint Programming. -- Urban Digital Twins and Data Spaces: Shaping the Future of Sustainable Cities (TwinAbleCities 2025). -- Urban and Valuation Aspects of an Illegal Neighborhood: The Case of Campo Sorbo in Ancient Capua.
Sommario/riassunto	The fourteen-volume set LNCS 15886-15899 constitutes the papers of

several workshops which were held in conjunction with the 25th International Conference on Computational Science and Its Applications, ICCSA 2025, held in Istanbul, Turkey, during June 30–July 3, 2025. The 362 full papers, 37 short papers and 2 PHD showcase included in this book were carefully reviewed and selected from 1043 submissions. In addition, the conference consisted of 58 workshops, focusing on very topical issues of importance to science, technology and society: from new mathematical approaches for solving complex computational systems, to information and knowledge in the Internet of Things, new statistical and optimization methods, several Artificial Intelligence approaches, sustainability issues, smart cities and related technologies.