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| Titolo                  | Sustainable Resilient Built Environments : Proceedings of SRBE 2022, India / / edited by Rama Devi Nandineni, Susan Ang, Norwina Binti Mohd Nawawi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| Descrizione fisica      | 1 online resource (1135 pages)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Disciplina              | 720.47                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Soggetti                | Sustainability<br>Internet of things<br>Sustainable architecture<br>Community development<br>Social service<br>Environmental management<br>Internet of Things<br>Sustainable Architecture/Green Buildings<br>Social Work and Community Development<br>Environmental Management                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Livello bibliografico   | Monografia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Nota di bibliografia    | Includes bibliographical references.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Nota di contenuto       | User perception of biophilic design patterns present in a workplace setting for mental wellbeing -- Developmental regulations to conserve catchment area of an urban water body: A Case of Upper Lake in the city of Bhopal, Madhya Pradesh, India -- Assessment of user's preferred activities and its correlation with landscape elements in urban green spaces -- Sustainability of traditional Rock-cut Water management system: Case of Kanheri Buddhist Caves, Mumbai, Maharashtra -- Economic and Social Impact of Modernization on a Local Marketplace; Case Study- Appa Balwant Chowk, Pune, India -- Exploring the land-use efficiency dynamics and improvement potential in the smart city mission -- A Sustainable approach towards the |

Sanitation for urban poor in India: A case of Bangalore -- Assessment of solar power sustainability in urban areas -- Multifunctionality: As an urban development tool for placemaking -- Environmental Assessment of Kakinada City, Andhra Pradesh, India -- Influence of urban form in maximizing solar energy utilization for better indoor air quality in the neighborhoods of Chennai -- Environmental Attitudes among architecture students in Kerala - Indian New Environmental Paradigm (I-NEP) Scale -- Sustainable Water Supply Infrastructure for Amritsar, India -- Framework for Implementation of Compact City Concept in Indian Cities -- Social Impact of Gujjar Kere Lake Rejuvenation -- Ecotourism Development in Pamban, a coastal Town of Tamil Nadu – a participatory approach -- Protection of Water Resources on Urban Hills from Building developments: A Case of Goa, India -- A systematic review of literature on major domains of Urban Heat Island studies -- Addressing SDG 11.7: A Review of Literature on Urban Open Spaces in India -- Urban strategies for cyclonic-flash flood resilience, Puri Odisha -- Designing our Urban Environments: Ecologically Sustainable Development in Residential Master Planning -- Pedagogical dimensions for sustainability in holistic architectural education -- Impact of Climate Change on Tourism in Coastal Udupi -- Analysis of Energy Conservation Measures for Existing Residential Apartments in Composite Climate -- Bio-digital architecture systems for environmental sustainability -- Comparison of Thermal Performance of Different Earth Construction Techniques in a Warm-humid Climate -- Impact of Vegetation on Visual Comfort in Residential Intermediate Open Spaces Using Rhino-Grasshopper Case Study: Nagpur, India -- Seismic-Based Comparative Analysis of Existing Structures using P - Effect -- Vulnerability Assessment for Seismic Strengthening of An Existing School Building in The Region of High Seismicity -- Comparative Assessment of Vulnerability through Wind Analysis for a Multi-Storied Building -- What does urban sustainability mean? An overview of studies from 10 countries -- Thermal comfort study of a dining space in temperate climate using natural ventilation -- Integration of IoT for Sustainable Urban Development -- Energy Efficiency of Smart HVAC Systems with respect to Occupants' Perceived Thermal Comfort -- Role of space layout and building envelope in hospital energy performance – A context of warm humid climate in India -- Experimental assessment of thermal comfort in the enclosed space of a residential building in Jammu region: A case study -- An innovative retrofittable manually operable smart shading apparatus for house windows (residential buildings) and method of working for same -- Design and Methodology for Automated Intelli-Smart Shading Apparatus for Commercial Building Fenestrations in India -- Classification of Sustainability assessment parameters for residential buildings materials using relative importance index -- Epistemological approach to ascertain human comfort in rural houses in the Indian context -- Kinaesthetics of a Staircase -- Structural Response of Concrete Flexural Members Reinforced with GFRP Bars: Sustainable Development Approach -- Living lab approach for Son La city, Vietnam, innovations for climate change solutions -- Analysing energy culture in high rise and low rise residences in hot and humid climate -- Exploring spatial arrangements in an office space through daylighting analysis of shading device: an experimental simulation model -- Optimizing building orientation, Window-to-Wall Ratio, and calculated solar shades and strategies to enhance the building's daylight performance and energy-saving potential -- The Influence of Socio-Cultural factors on open Space in Fisherman settlement, Udupi district Karnataka -- Urban Planning and Crime prevention in Public spaces -- Accessible spaces in

urban placemaking -- Mapping Cyclone and Flood Hazard Vulnerability in Puri District, Odisha, India using Geoinformatics -- Community perceptions of engagement in sustainable building design/construction in rural context -- Investigating the Migrant Workers' Housing situation in Mangalore city: A Dialogue on Inclusive housing design -- Assessing Walkability of Nagpur city at Neighborhood Level using Walk Score Index -- Fire Safety of Urban Villages in Noida: Gap Identification in Policies and Building Norms -- Impact Assessment of Citizen Participation and Service Quality on Citizen Satisfaction in Smart Cities in India -- Reducing Disaster Risk and Reinstating Livelihood through an Ecosystem Approach -- Architectural Survey of University Leisure Spaces -- A Study of Rental Housings and its policies for the urban poor in India -- Nurturing inclusivity in the built environment education: A prerequisite to achieving sustainable social wellbeing -- Biophilic Design: A New Approach towards Sustainable and Restorative Environment -- Urban Restructuring through the Development of Underutilized Lands to Achieve Sustainable Compact City Model -- Assessing Urban Migrant Community for Socio-Ecological Resilience: A case of Ghata Village, Gurugram -- Role of spatial elements of an urban street that makes it vital -- Exploring the various attributes of public spaces enhancing social interaction -- Demonstrating the triad -- Built environment, Perception and neighborhood as tool to achieve urban resilience -- Assessing walkability near metro stations: a case in nagpur -- Brownfield development endowing urban resilience -- Spatial Planning Strategies for Reducing Crime In Urban Residential Areas: A case of Kollam -- Sense of Security in Urban Recreational Park -- An Exploratory study of Cubbon Park, Bengaluru -- Lessons from Indian Traditional House Forms in achieving Sustainability -- Exploring Sustainability Aspects of Vernacular Houses in Contemporary Settings: Case Study of Kankumbi Village -- The Unbuilt Sacred Spaces of Indigenous Religious Practices in Coastal Karnataka -- Self-Sustainability framework for cultural heritage: A Case Study of Shekhawati, Rajasthan -- Influence of culture in architectural built form elements -- Analysing the influence of culture on architectural built forms in Gaud Saraswat Brahmins and Gujarati community in Fort Kochi -- Perforated Screens of India: Learning from Traditional and Contemporary Reflections -- Sustainable adaptive reuse of Interiors in Iraq -- The Heterogeneous Layered Urbanism of the Old Port of Mangaluru: Its significance within the Cultural Land-landscape of Tulu Nadu with a vision towards a sustainable urban future -- Identification and Selection of Parameters for the Value Assessment of Architectural Heritage: A Case of Odishan Temple Architecture, India -- Intangible as a driver for the Sustainability of Historic Cities -- Revitalization of the historic core of Srirangam, Tamil Nadu, India -- a sustainable approach -- Preserving the architectural heritage in Kurdistan Region, Iraq - Akre city as an example -- An Investigation of Delhi's Landscape at Macro Level: A Systematic Study of the Census Data to Expound Segregation and Segmentation -- Collective Identity and continuation of tradition : Sacred Groves of Kudase village in Sindhudurga -- 'Toad markets' as intermediary spaces -- Village Spatial Pattern of Kiadan Traditional Village in Badung Regency -- Vernacular architecture of weavers settlement-A case for creating resilient and sustainable environments for handloom cluster at Bargarh, Odisha -- Assessing the adaptive resilience of traditional built forms of villages in flood-prone zones: A case of two deltaic villages -- Restoration Practices in Heritage Conservation -- An interdisciplinary pedagogy for environmental design & community resilience during the pandemic -- Study on Impacts of Pandemic on Office Space and Work Culture -A Review --

Sommario/riassunto

The proceedings of Sustainable Resilient Built Environments are based on the SRBE 2022 conference held in December 2022. It focuses on the advances under the overarching theme of 'Sustainability'. The concept of 'Sustainability' has been conventionally defined as meeting the needs of the present without compromising the ability of future generations to meet their own needs. In scientific literature, sustainable development has been analysed using different qualitative approaches, such as economic, social, ecological, cultural, institutional, ethical, and political. In this edited volume, the concepts of both 'sustainability', and 'resilience' are considered to open up useful pathways towards achieving sustainable buildings and infrastructure. Though the concepts of sustainability and resilience are considered to help improve the built environment, the interrelations and interdependence between these two concepts are not clearly evident. This has led to the questions such as: Is the sustainable built environment always resilient? Is the resilient built environment always sustainable? What more is needed for sustainability? In exploring these pertinent questions, the proposed edited volume is expected to unveil and disseminate new insights on the themes related to sustainable and resilient built environment. The themes of the proceedings lay a platform for researchers and professionals to integrate the aspects including smart, innovation, technologies, green, energy efficiency, carbon reduction, sustainability and resilience with regard to buildings and other built infrastructure. Specific objectives included as per the five themes are as follows: Environment Design and Sustainability Sustainable & Smart Buildings Community Resilience & Social Sustainability Heritage and Sustainability Pandemic issues and sustainable development.

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