



buildings



Special Issue Reprint

Healthy, Digital and Sustainable Buildings and Cities

www.mdpi.com/books/reprint/10509

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ISBN 978-3-7258-3291-0 (Hardback)
ISBN 978-3-7258-3292-7 (PDF)



The following Special Issue on Healthy, Digital, and Sustainable Buildings and Cities features 16 papers that collectively explore enhancing built and urban environments through a focus on health, technology, and sustainability. Topics include biophilic design, strategies to reduce indoor air pollution, and the Smart Readiness Indicator's application in educational buildings. The included studies also address thermal comfort in sports halls, trends in sustainability research, and project management methodologies for construction projects.

Energy efficiency is a key focus, with studies on indirect evaporative cooling, indoor air quality in schools, and building renovation packages in Latvia and Lithuania. The use of low-cost VOC sensors for ventilation and the benefits of eco-friendly building materials are examined. Additionally, the energy consumption of the wine industry is analyzed, providing design guidance for warehouses.

Methodologies for developing indoor air quality dashboards and classroom indices in educational facilities are proposed, and the integration of modern technologies in civil engineering education is reviewed. The featured authors also discuss the restoration of historic buildings and the adaptation of refugee camps for sustainability and livability. This collection offers valuable insights and promotes multidisciplinary collaboration in building and urban design of the future.



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