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Titolo	Architectural Research : An Academic Textbook for Students of Architecture // by Tomasz E. Malec
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ISBN	9789819675494 9789819675487
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (109 pages)
Collana	SpringerBriefs in Architectural Design and Technology, , 2199-5818
Disciplina	690
Soggetti	Buildings - Design and construction Architecture Computer-aided engineering Research - Methodology Building Construction and Design Computer-Aided Engineering (CAD, CAE) and Design Research Skills
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Main research skills -- Preparatory phase of research -- Classification of research methodologies -- Research methods in architecture -- Visual tools in research presentation -- Main rules of academic writing -- General conclusions.
Sommario/riassunto	This book introduces the basic principles and methods of scientific research in architecture. Due to the specificity of the creative process and the architectural industry, the presented issues have also been adapted to the needs of architecture teachers, architects active in the design market, and others interested in the topic. The first chapter explains four crucial research skills: focus, reasoning, critical thinking, and creativity, supported by ethics. The second chapter focuses on preparation for research by formulation of the research problem, hypothesis, and correlated research questions. The third chapter is an introductory part presenting the various classifications of architectural research and explaining the roots and significance of reasoning, creativity, and ethics. The fourth chapter presents the main research

methods applicable to architecture, starting with the literature review. All of them can be modified and adjusted to ever-changing requirements. In the fifth chapter, visual tools are described for clearly presenting the research related issues. The sixth chapter is the introduction to academic writing. It includes the main rules of article preparation using elements such as abstract, keywords, introduction, materials and methods, results and discussion, conclusions, references, and the application of citation styles. Additionally, this chapter is concerned with general requirements for critical review preparation.
