

Stefano Bigiotti

Ph.D in "Architecture - Theory and Design"

About me: **Stefano Bigiotti** (Orvieto, 1987), Ph.D. in *Architecture – Theories and Design*, is **a Researcher at the University of Tuscia**, where he focuses on sustainability in rural architecture and landscapes, with particular interest in agroforestry construction and planning in natural and peri-urban areas. His research combines architectural theory and environmental engineering, with a focus on the recovery, retrofitting, and enhancement of historic rural buildings. He contributes to national and international projects and networks on landscape and green economy, and is the author of several articles and monographs.

Stefano BIGIOTTI

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GENERAL INFORMATION

Nationality: Italian
Gender: Male

ORCiD: https://orcid.org/0000-0003-4338-1352
Scopus author ID: 57846440400
Web of Science Researcher ID: KTI-5692-2024

CURRENT POSITION

CURRENT POSITION

21 March 2023 - Ongoing

University of Tuscia
Department Department of Agriculture, Forests, Nature and Energy.
Researcher (Type A), pursuant to Law no. 240/2010.
Scientific Disciplinary Group 07/AGRI-04 – Agricultural, Forest and Biosystems Engineering / Ingegneria agraria, forestale e dei biosistemi.
Scientific Disciplinary Sector AGRI-04/C – Rural Buildings and Agro-Forest Territory / Costruzioni rurali e territorio agroforestale.

EDUCATION

EDUCATION

1 November 2012 - 31 October 2015

Department of Architecture and Design - "Sapienza" University of Rome. PhD in "Architecture, Theories, and Design"
28th cycle, Curriculum "A"
Dissertation title: "The Ecological Measure of Architecture. The Concept of Measure in Sustainable Living."
Supervisor: Del Vecchio, M.
Thesis Discussionn date: February 22, 2017.

September 2006 - July 19, 2012

Faculty of Architecture - "Sapienza" University of Rome, Rome (Italy). Master's Degree in Architecture (L4S).
Thesis in Architectural and Urban Design: "Project for Social and Sustainable Housing in the former Santa Maria del Soccorso district."
Grade: 110/110 cum laude, with distinction.
Supervisor: Del Vecchio, M.
Co-supervisors: Carfagna, D.; Bernardini, S.

September 2011 - July 2012

Escuela Técnica Superior de Arquitectura Sevilla, University of Seville, Seville (Spain).
Erasmus Program, European Region Action Scheme for the Mobility of University Students
Student, Erasmus Scholarship Winner at the University of Seville during the academic year 2011/12.

PUBLICATIONS

(*) The asterisk indicates that S. Bigiotti is also the corresponding author of the article.

Article — **Bigiotti, S.***; Santarsiero, M.L.; Del Monaco, A.I.; Marucci, A. Eco-Efficient Retrofitting of Rural Heritage: A Systematic Review of Sustainable Strategies. *Energies* **2025**, 18, 4065. https://doi.org/10.3390/ en18154065

Article — Isola, D.; **Bigiotti, S.***; Marucci, A. Livestock Buildings in a Changing World: Building Sustainability Challenges and Landscape Integration Management. *Sustainability* **2025**, 17, 5644. ISSN: 2071-1050 https://doi.org/10.3390/su17125644

Article — **Bigiotti, S.***; Costantino, C.; Patriarca, A.; Mancini, G.; Provolo, G.; Recanatesi, F.; Ripa, M.N.; Marucci, A. Energy Efficiency and Environmental Sustainability in Rural Buildings: A Life Cycle Assessment of Photovoltaic Integration in Poultry Tunnels — A Case Study in Central Italy. *Appl. Sci*. **2025**, 15, 5094. ISSN: 2076-3417. https://doi.org/10.3390/app15095094

Conference Paper — **Bigiotti, S.***; Fiorelli, A.; Costantino, C.; Marucci, A.; Strategies for the Sustainable Regeneration of Rural Villages: An Investigation into Local Policies in the Case Study of the "Alta Tuscia Laziale" Inner Area. In: Sartori, L., R., Tarolli, P., Guerrini, L., Zuecco, G., Pezzuolo, A. (Eds) *Biosystems Engineering Promoting Resilience to Climate Change – AIIA 2024 – Mid – Term Conference. Lecture Notes in Civil Engineering*, vol 586, Springer: Cham, **2025**, pp.1048-1055. ISSN: 2366-2557; ISSN: 2366-2565 (electronic); eBook ISBN: 978-3-031-84212-2; Print ISBN: 978-3-031-84211-5; https://doi.org/10.1007/978-3-031-84212-2

Article — **Bigiotti, S.***; Santarsiero, M.L.; Costantino, C.; Marucci, A. Photovoltaic Technology and Rural Landscapes: A Systematic Literature Review on Challenges and Sustainable Integration. *Energies* **2025**, 18, 2095. ISSN: 1996-1073. https://doi.org/10.3390/en18082095

Article — **Bigiotti, S.***; Santarsiero, M.L.; Del Monaco, A.I.; Marucci, A. A Typological Analysis Method for Rural Dwellings: Architectural Features, Historical Transformations, and Landscape Integration: The Case of "Capo Due Rami", Italy. *Land* **2025**,14, 374. ISSN: 2073-445X. https://doi.org/10.3390/ land14020374

Article — **Bigiotti, S.***; Costantino, C.; Marucci, A. Decision-Making Tools for Sustainable Recovery of Rural Villages: Planning Policies and Implementation Strategies for Valorising Small Communities in Inner Areas under the Next Generation Eu Programme. In: Syngellakis, S. (Eds), *Sustainable Development and Planning XIII, WIT Transactions on Ecology and the Environment*, Volume 262, WIT Press: Ashurst Lodge, Ashurst, Southampton, SO40 7AA, (UK), **2025**, pp. 479 - 494. ISBN: 978-1-78466-489-3 eISBN: 978-1-78466-490-9 ISSN: 1746-448X (print) ISSN: 1743-3541 (on-line).

Article — Costantino, C.; **Bigiotti, S.**; Marucci, A. Assessing Energy-Saving Retrofit and Carbon Footprint Reduction of Rural Dwellings: A Case Study in Tuscia, Italy. In: Syngellakis, S. (Eds), *Sustainable Development and Planning XIII, WIT Transactions on Ecology and the Environment*, Volume 262, WIT Press: Ashurst Lodge, Ashurst, Southampton, SO40 7AA, (UK), **2025**, pp. 821 – 833. ISBN: 978-1-78466-489-3 eISBN: 978-1-78466-490-9 ISSN: 1746-448X (print) ISSN: 1743-3541 (on-line).

Article — **Bigiotti, S.***; Costantino, C.; Santarsiero, M.L.; Marucci, A. A Methodological Approach for Assessing the Interaction Between Rural Landscapes and Built Structures: A Case Study of Winery Architecture in Tuscany, Italy. *Land* **2025**, 14, 152. ISSN: 2073-445X. https://doi.org/10.3390/ land14010152

Conference Paper — Costantino, C.; Guardigli, L.; **Bigiotti, S.**; Gulli, R.; Marucci, A. Carbon Footprint optimisation in the early design stage of a reinforced concrete structure through the selection of slabs typology. In: Raggi, A. - Petti, L. -

Tascione, V. - Arzoumanidis, I. (Eds), *Atti del XVIII Convegno dell'Associazione Rete Italiana Lca. Life cycle thinking a supporto di modelli di produzione e di consumo sostenibili*, Associazione Rete Italiana LCA: Roma (IT), **2025**, pp. 425 – 432. ISB: 9791221004571.

Conference Paper — Costantino, C.; **Bigiotti, S.**; Marucci, A.; Gulli, R. Sustainability Assessment of Refurbishment vs. New ZEB Construction Systems: A Long-Term LCA Perspective on Durability and Building Lifespan. In: Corrao, R., Campisi, T., Colajanni, S., Saeli, M., Vinci, C. (eds*) Proceedings of the 11th International Conference of Ar.Tec. (Scientific Society of Architectural Engineering). Colloqui.AT.e 2024. Lecture Notes in Civil Engineering*, vol 612, Springer: Cham, **2025**, pp. 205–225. ISSN: 2366-2557; ISBN: 978-3-031-71867-0 (eBook); ISSN: 2366-2565 (electronic); ISBN: 978-3-031-71866-3. https://doi.org/10.1007/978-3-031-71867-0_15

Article — Costantino, C.; **Bigiotti, S.**; Marucci, A.; Gulli, R. Long-Term Comparative Life Cycle Assessment, Cost, and Comfort Analysis of Heavyweight vs. Lightweight Construction Systems in a Mediterranean Climate. *Sustainability* **2024**, 16, 8959. https://doi.org/ 10.3390/su16208959

Article — Salvucci, G.; Scarpitta, D.; Maialetti, M.; Rontos, K.; **Bigiotti, S.**; Sateriano, A.; Muolo, A. Measuring Data Quality from Building Registers: A Case Study in Italy. *Geographies* **2024**, 4, 596–611. ISSN : 2673-7086. https://doi.org/ 10.3390/geographies4030032

Article — Maialetti, M.; Ciaschini, C.; Quaranta, G.; Salvia, R.; Scarpitta, D.; **Bigiotti, S.**; Chelli, F.M.; Salvati, L. Investigating 'Land-Use Trajectories' in Mediterranean Rural Areas with Official Statistics and a Multiway Factor Analysis. *Sustainability* **2024**, 16, 7644. 2071-1050. ISSN: 2071-1050. https://doi.org/10.3390/ su16177644

Article — **Bigiotti, S.***; Costantino, C.; Marucci, A. Agritourism Facilities in the Era of the Green Economy: A Combined Energy Audit and Life Cycle Assessment Approach for the Sustainable Regeneration of Rural Structures. *Energies* **2024**, 17, 1101. ISSN: 1996-1073. https://doi.org/10.3390/en17051101

Monograph — **Bigiotti, S.**, *L'architettura degli scarti. Buone pratiche per la progettazione sostenibile dei centri di raccolta e riuso*, Architetti Roma Edizioni: Rome (IT), 2021. ISBN: 978-88-99-83-638-2

Monograph — **Bigiotti, S.**, *La grammatica del progetto sostenibile. Le nuove figure della composizione architettonica dell'abitare nel rispetto della qualità ambientale*, Architetti Roma Edizioni: Rome (IT), 2021. ISBN: 978-88-99-83-642-9

Conference Paper — **Bigiotti, S.***; Molinari, C. Space and Time in Narrative and Expositive Paths: The Corporeal Experience of Restored Ruins. In *With(Out) Trace: Interdisciplinary Investigations into Time, Space and the Body*; Dwyer, S.; Franks, R.; Green, R. Eds.; Inter-Disciplinary Press: Oxford (UK), **2019**; pp. 17–29. ISBN: 978-184888441-0, 978-900437478-2.

Conference Paper — Molinari, C.; **Bigiotti, S**. The Storytelling in Architecture: A Proposal to Read and to Write Spaces. In *Now Ever Absent: Storytelling in Arts,Culture and Identity Formation*, Moenandar, S-J.; Miller, K.M. Eds.; Inter-Disciplinary Press: Oxford (UK), **2019**, pp. 183–194. ISBN: 978-1-84888-337-6, Doi: 10.1163/9781848883376_019.

Book Chapter — Bigiotti, S., Dal disuso al riuso. In Marcoaldi, P. (Ed), *Per la città di Viterbo*, Quodlibet: Macerata (IT), **2018**, pp. 124-125. ISBN: 978-88-229-0202-3

Book Chapter — Bigiotti, S. La città intelligente. In Marcoaldi, P. (Ed), *Per la città di Viterbo*, Quodlibet: Macerata (IT), **2018**, pp. 122-123. ISBN: 978-88-229-0202-3

Article — Bigiotti, S. Campus universitario di Novara nelle ex-caserme Peroni, *L'Industria delle costruzioni* **2018**, 462, pp. 28-37. ISSN: 0579-4900.

Article — Bigiotti, S., Parco della Fortezza di Poggio Imperiale a Poggibonsi, Siena, *L'Industria delle costruzioni* **2018**, 462, pp. 70-75. ISSN: 0579-4900.

Conference Paper — Spada, M.; Bigiotti, S. Peri-urban agriculture and cultural heritage. The public potential of the in-between areas, *The Journal of Public Space* **2017**, 2(2), pp. 51–62. ISSN: 2206-9658. Doi: 10.5204/jps.v2i2.92.

Book Chapter — Bigiotti, S. La questione della grandezza conforme nell'architettura contemporanea. In: DIAP - Dipartimento di architettura e progetto (Ed), *Per Le Corbusier. Corbu dopo Corbu, 2015/1965*, Quodlibet: Macerata (IT), **2016**, pp. 97-110. ISBN 978-88-7462-857-5

Conference Paper — Bigiotti, S. La grammatica del progetto sostenibile. I procedimenti dell'invenzione architettonica nel rispetto della qualità ambientale. In Fabian, L.; Marzo, M. (Eds), *La ricerca che cambia. Atti del primo convegno nazionale dei dottorati italiani dell'architettura, della pianificazione e del design. Università Iuav di Venezia 19-20/11/2014*, LetteraVentidue: Siracusa (IT), **2015**. pp. 615-626. ISBN: 978-88-62-42-163-8

Article — Spada, M.; Bigiotti, S. Rust belts e retaggio culturale agricolo. Il recupero dei suoli urbani nelle città industriali in crisi, *Urbanistica Informazioni* **2015**, 259-260, year XXXXII, INU Edizioni, pp. 145-146. ISSN:0392-5005

Book Chapter — Bigiotti, S. La rovina come dimensione ctonia. In Bigiotti, S.; Corvino, E. (Eds) *La modernità delle rovine. Temi e figure dell'architettura contemporanea*, Prospettive Edizioni: Roma (IT), **2015**. pp. 38-41. ISBN 978-88-98563-26-5

Book Editing — Bigiotti, S.; Corvino, E. (Eds), *La modernità delle rovine. Temi e figure dell'architettura contemporanea*, Prospettive Edizioni: Roma (IT), **2015**, pp. 38-41. ISBN 978-88-98563-26-5

Conference Paper — Bigiotti, S. A Sustainable method for a social living. In M. Voyatzaky (Ed), *Architectural education andReality of the Ideal: Environmental Design for Innovation in Post-crisis world*, Charis Ltd:Thessaloniki (Greece), **2013**. pp.425-435. ISBN: 978-2-930301-60-0

Conference Paper — Bigiotti, S. Il recinto è spezzato. L'esperienza di Moniga del Garda. In Angelini, R.; Caramia, E.; Molinari, C. Eds, *Alessandro Anselmi. Frammenti di futuro,* Lulu Edition, **2013**, pp. 110-113. ISBN: 978-12-91-64-372-5

RESEARCH ACTIVITIES

RESEARCH ACTIVITIES

January 2024 – Ongoing

Architectural, landscape and environmental enhancement for the sustainable recovery of the village between urban, peri-urban and agricultural landscapes / Valorizzazione architettonica, paesaggistica e ambientale per il recupero sostenibile del borgo tra urbano, periurbano e paesaggio agrario.
Research Agreement between the Department of "Architettura e Progetto" and the Municipality of Valentano (VT) / Convenzione di Ricerca tra il Dipartimento di "Architettura e Progetto" e il Comune di Valentano (VT)
Contract of research between DIAP - Department of "Architettura e Progetto" and the Municipality of Viterbo.
P.I.: Raitano, M.
Role: Initiative Leader and Member of the Research Group

March 2023 - Ongoing

Agritech - National Center for Technology in Agriculture.
Spoke 5 - Task: 5.3.5 - Livestock housing, equipment and manure management for mitigation.
Spoke Leader: Lacetera, N. (UNITUS)
W.P. Leader: Biondi, L. (UNICT)
Task Leader: Pindozzi, S. (UNINA)
UNITUS (Partner involved) – Team Leader: Marucci, A.; Ripa, M.N.
Role: Member of the UNITUS Research Group.

March 2023 - Ongoing

Agritech - National Center for Technology in Agriculture.
Spoke 7 – Task: 1.1.3 - Recovery, reuse, and sustainable enhancement of rural buildings and roads.
Spoke Leader: Spagnuolo, M. (UNIBA)
W.P. Leader: Giulia Zuecco (UNIPD)
Task Leader: Giulio Senes (UNIMI)
UNITUS (Partner involved) – Team Leader: Ripa, M.N.
Role: Member of the UNITUS Research Group.

March 2016 - September 2016

Towards a Masterplan for Viterbo's historic center: criteria and tools for the redevelopment, enhancement, and protection of the historic city / Verso il Masterplan del centro storico di Viterbo: criteri e strumenti per la riqualificazione, valorizzazione e tutela della città storic.
Third-Party Research - Contract between DIAP - Department of Architecture and Design and the Municipality of Viterbo.
Initiative Leader: Carpenzano, O.
Design Coordinator: Raitano, M.
Role: Member of the Research Group

July 2015 - Jenuary 2017

The Architecture of Waste: Strategies for Sustainable Planning of Recycling and Reuse Hubs / L'architettura degli scarti. Buone pratiche per la progettazione sostenibile dei centri di raccolta e riuso.
University Funding for Scientific Research, Year 2015.
Research funding obtained via Sapienza University's internal competitive call ("Progetti per Avvio alla Ricerca"), awarded following peer-reviewed evaluation.
Role: Principal Investigator

July 2014 - Jenuary 2016

The Grammar of Sustainable Design: Emerging Forms of Architectural Composition for Sustainable Living Environments / Grammatica del progetto sostenibile. Le nuove figure della composizione architettonica dell'abitare nel rispetto della qualità ambientale.
University Funding for Scientific Research, Year 2014.
Research funding obtained via Sapienza University's internal competitive call ("Progetti per Avvio alla Ricerca"), awarded following peer-reviewed evaluation.
Role: Principal Investigator

REVISIONS AND EDITORIAL ACTIVITY

REVISION AND EDITORIAL ACITIVTY

Revisions

Urban Science. ISSN: 24138851
Certified revisions – IF Peer Reviewed Journals

Revisions

Sustainability. ISSN: 2071-1050
Certified revisions – IF Peer Reviewed Journals

Revisions

Land. ISSN: 2073-445X
Certified revisions – IF Peer Reviewed Journals

Revisions

Buildings. ISSN: 20755309
Certified revisions – IF Peer Reviewed Journals

Revisions

Journal of Power Electronics and Drive Systems (IJPEDS). ISSN: 20888694
Certified revisions – IF Peer Reviewed Journals

Revisions

npj Heritage Science (*npj Herit. Sci.*)
ISSN: 3059-3220 (online)
Certified revisions – IF Peer Reviewed Journals

Editorial Activity

Member of Editorial board.
Contemporary Engineering Sciences.
ISSN: 1314-7641 (online)
ISSN: 1313-6569 (print)
Jenuary 2025 - Current.

Editorial Activity

Guest Editor of the Special Issue "Energy Transition in Agriculture and

Forestry Systems: Policies, Technologies and Sustainability Challenges". Year **2025**, *Sustainability*. **ISSN: 2071-1050**

PROJECTS AND INTERNATIONAL EXPERIENCES

PROJECTS AND INTERNATIONAL EXPERIENCES

COST Membership (*Ongoing*)

COST Action: CA23128, Connecting Landscape Architecture Archives to enhance European landscape practice, research and education (Connect-LAA).
Role: Member of working group No. 2.

COST Membership (*Ongoing*)

COST Action: CA21103 - Implementation of Circular Economy in the Built Environment (CircularB).
Role: Member of working group No. 1, 3, 4.

COST Membership (*Ongoing*)

COST Action CA23145, - Architectural and Urban Ambiances of European Cities (CitySenZ)
Role: Member of working group No. 2.

BIP project membership Year 2025

Bip 2025 - Blended Intensive Program.
Project: DESIGN 4 ECHO. Environment, Conservation and Heritage Outlooks. Tools and methodologies compared.
Erasmus+ Project.
With the Participation of IEA – University of Rome Tor Vergata FAUL – University of Lisbon, EAM – University of Malaga, ARCH – Technical University of Crete, SFES – University of Tuscia, A(R) – Sapienza University of Rome.
Coordinator: Falzetti, A. - University of Rome Tor Vergata.
Role: Professor and member.

SPIN-OFF COMPANIES AND TECHNOLOGICAL PATENTS

SPIN-OFF COMPANIES AND TECHNOLOGICAL PATENTS

Year 2025

University of Tuscia
"Apollo" Spin-off Project.
Project funded by the University following a competitive call. Approved by the University Board of Directors on May 29, 2025 (Agenda Item 24 – "PRO3 2024–2026, Objective B): Incentives for the creation of spin-offs and patent registration – Resource allocation".
Role: Scientific Coordinator

TEACHING EXPERIENCE

TEACHING EXPERIENCE

Academic Year 2025/2026 - Ongoing

University of Tuscia
Bachelor's Degree in Mountain Areas Management - Digital Agriculture
Degree Class: Science and Technologies for Agricolture and Mountain Areas LM-73 - Science and Technologies for Agriculture and Mountain Areas LM - 69.
Land Survey and Mapping - Land Survey Technologies.
Course taught in English.

Year 2025

University of Tuscia
Doctoral School in Engineering for Energy and Environment
Chair of the course: Land and Rural Landscape Governance. Elements of Planning.
Course taught in English.

Academic Year 2024/2025 - Ongoing

University of Tuscia
Bachelor's Degree in Design.
Degree Class: Industrial Design (L4).
Chair of the course: Ambiente e Territorio nel Design - Environment and Territory in Design.

Academic Year 2023/2024 – 2024/2025

University of Tuscia
Master's Degree in Digital Management of Agriculture and Mountain Areas. Degree Class: Forestry and Environmental Sciences and Technologies (LM-73 - LM-69).
Chair of the course: Impiego di droni e sistemi di rilevamento / Use of Drones and Survey Systems.

Academic Year 2023/2024 - Ongoing

University of Tuscia
Master's Degree in Agricultural and Environmental Sciences (LM-25). Degree class: Agricultural and Forestry Sciences and Technologies.
Teaching Assistant in Costruzioni rurali e topografia / Rural Constructions and Topography.
Chair of the course: Marucci, A.

Academic Year 2023/2024 - Ongoing

University of Tuscia
Bachelor's Degree in Forest and Nature Sciences (L-25). Degree class: Agricultural and Forestry Sciences and Technologies.
Teaching Assistant in Costruzioni e rilievo del territorio / Constructions and Land Surveying.
Chair of the course: Marucci, A.

Academic Year 2023/2024 - Ongoing

University of Tuscia
Professional Bachelor's Degree Program in Expert Technician in Livestock Systems Management.
Teaching Assistant in Laboratorio di edilizia zootecnica: controllo climatico e automazione / Laboratory of Livestock Construction: Climate Control and Automation.
Chair of the course: Marucci, A.

Academic Year 2023/2024 - Ongoing

University of Tuscia
Bachelor's Degree in Sustainable Management of Forests and Urban Green Spaces. Degree class: Agricultural and Forestry Sciences and Technologies. Joint international program with the Agricultural University of Tirana – AUT, Albania, leading to a double-degree qualification.
Teaching Assistant in Costruzioni forestali, rilievo e progettazione delle aree Verdi / Forest Constructions, Surveying, and Green Area Design.
Chair of the course: Marucci, A.

March 2017 - September 2017

"Sapienza", University of Rome
Master's Degree Program in Architecture - Restoration.
Teaching Assistant in the Architectural Design Studio (II) - Laboratorio di Progettazione II.
Chair of the course: Raitano, M.

February 2016 - October 2017

A.L.E.SS. Don Milani
E-ECO: Efficientamento Energetico per Costruire Opportunità alle imprese e percorso formativo per Esperto per la qualificazione in campo energetico-ambientale delle imprese edili / Energy Efficiency for Business Development – Training Program for Experts in the Energy and Environmental Qualification of Construction Firms - Appointment as instructor and expert in environmental design for a training course funded by the Lazio Region, leading to a Professional Qualification and attendance allowance.
Lecturer in Environmental Design. A total of 30 teaching hours.

March 2012 – September 2015

"Sapienza," University of Rome
Five-year single-cycle degree program in Architecture (L4S).
Teaching Assistant in the **Architectural Design Studio (IV) - Laboratorio di Progettazione IV**.
Chair of the course: Del Vecchio, M.

October 2012 – February 2014

"Sapienza" University of Rome
Five-year single-cycle degree program in Architecture (L4S).
Teaching assistant in the **Urban Design Laboratory - Laboratorio di Urbanistica;** for the Architectural Design module - Modulo di Progettazione Architettonica (head professor: Del Vecchio, M.).
Chair of the course: Bianchi, G.

INST. & ACAD. ROLES INSTITUTIONAL / ACADEMIC ROLES

Year 2025

University of Tuscia.
Consultant free of charge for *Masterplan and strategic design guidelines for the sustainable development of the University of Tuscia in the Riello area*.

Year 2025

University of Tuscia.
Consultant free of charge for architectural design of *New research laboratories for the dafne and dibaf departments*, located at the university campus of Riello.
Deliberazione CDA del 15 luglio 2025 - Resolution of the Board of Directors of 15 July 2025 - Punto 21 dell'Ordine del Giorno "R*ealizzazione nuovo edificio per laboratori ex facoltà di Agraria*" – Item 21 on the Agenda: *Construction of a new building for laboratories of the former Faculty of Agriculture*".

Program approved in 2025 and scheduled to be activated in the Academic Year 2026/2027

University of Tuscia.
Master's Degree Archival Science and Ai (Lm-5).
Member of the Study Program Council (CCS) and Reference Professor.

Since Academic Year 2023/2024

University of Tuscia
Master's Degree in Digital Management of Agriculture and Mountain Areas. Degree Class: Agricultural Sciences and Technologies (LM-69) - Forestry and Environmental Sciences and Technologies (LM-73).
Degree programs, starting from the Academic Year 2025/2026, reorganized and offered as the Bachelor's Degree in Mountain Areas Management – Digital Agriculture, within the Degree Class of Science and Technologies for Agriculture and Mountain Areas (LM-73 and LM-69).
Member of the Study Program Council (CCS) and Reference Professor.

September 2025

University of Tuscia
Department of Agricultural and Forestry Sciences (DAFNE)
Committee for the assignment of the course Laboratory of Territorial Planning - Laboratorio di Pianificazione territoriale (CEAR 12/A EX SSD ICAR/20).
Appointed by Director's Decree No. 659/2025.
Member of Teaching Assignment Committee.

September 2024

University of Tuscia
Department of Agricultural and Forestry Sciences (DAFNE)
Committee for the assignment of the course Laboratory of Territorial Planning - Laboratorio di Pianificazione territoriale (ICAR/20).
Appointed by Director's Decree No. 787/2024.
Member of Teaching Assignment Committee.

Since academic Year 2023/2024

University of Tuscia
Master's Degree in Agricultural and Environmental Sciences (LM-25).
Course in Rural Constructions and Topography - Costruzioni rurali e topografia.
Member of the Examination Committee.

Since Academic Year 2023/2024

University of Tuscia
Professional Bachelor's Degree Program in Seed Production and Nursery Management.
Course in Greenhouses and Facilities for Nursery Production - Serre e impianti per le produzioni vivaistiche.
Member of the Examination Committee.

Since Academic Year 2023/2024

University of Tuscia
Bachelor's Degree in Forest and Nature Sciences (L-25).
Course in Forest Engineering - Ingegneria forestale.
Member of the Examination Committee.

Since Academic Year 2023/2024

University of Tuscia
Bachelor's Degree in Forest and Nature Sciences (L-25).
Course in Constructions and Land Surveying - Costruzioni e Rilievo del territorio.
Member of the Examination Committee.

Since Academic Year 2023/2024

University of Tuscia
Professional Bachelor's Degree Program in Seed Production and Nursery Management.
Course in Constructions and Facilities for Protected Cultivation - Costruzioni e impianti per le colture protette.
Member of the Examination Committee.

Since Academic Year 2023/2024

University of Tuscia
Professional Bachelor's Degree Program in Expert Technician in Livestock Systems Management.
Course in Laboratory of Livestock Construction: Climate Control and Automation - Laboratorio di Edilizia zootecnica: controllo climatico e automazione.
Member of the Examination Committee.

Since Academic Year 2023/2024

University of Tuscia
Professional Bachelor's Degree in Sciences and Technologies for the Conservation of Forests and Nature (L-25, Cittaducale).
Course in Water and Land Engineering - Ingegneria delle acque e del territorio.
Member of the Examination Committee.

Since Academic Year 2023/2024

University of Tuscia
Bachelor's Degree in Sustainable Management of Forests and Urban Green Spaces – Program in international agreement with the University of Agriculture of Tirana-AUT (Albania), offering a dual-degree qualification.
Course in Forest Constructions, Surveying, and Green Area Design - Costruzioni forestali, rilievo e progettazione delle aree verdi.
Member of the Examination Committee.

15 September 2021 - 28 February 2023

Municipality of Viterbo (IT) - Sector VII - Urban Planning.
Organizational Position Manager
Head of the Area: Service for urban planning tools, landscape plans, historic centers, protection, sustainable territorial planning and governance, urban regeneration, recovery, and redevelopment / Servizio strumenti urbanistici, piani paesistici, centri storici, tutela, pianificazione e governo sostenibile del territorio, rigenerazione recupero e riqualificazione urbana.
Departmental Executive Determination No 4667 DEL 15/09/2021.

May 2021 - 28 February 2023

Municipality of Viterbo (IT) - Sector VII - Urban Planning.
Head of the Landscape Area.
Functions delegated to the Entity pursuant to Legislative Decree 42/2004 and subsequent amendments and additions / Funzioni delegate agli Enti locali in attuazione al D.Lgs. 42/2004 e ss.mm.ii.
Departmental Executive Determination No. 2680 of 14/05/2021.

SERVICES TO UNIVERSITY SERVICES TO UNIVERSITY

Tutoring

"Sapienza" University of Rome.
International Design Workshop "Per la città di Viterbo. Il progetto del centror."
Initiative Leader: Carpenzano, O.
Workshop Coordinator: Raitano, M.
Dates: October 2 - 8, 2016.

Role: Tutor and Workgroup Coordinator

Supervised Thesis and project

University of Tuscia
Supervisor of a graduation thesis: Prosseda, V. (ongoing);

Supervised Thesis and project

"Sapienza", University of Rome
Co-advisor of a graduation thesis: Antonini, B. (2017); Bellegi, B. (2017);

Revision

University of Tuscia
Revision of the year's project assigned to the students of the rural buildings course in the Agricultural and Environmental Sciences Degree, since 2023.

SEMINARS, CONFERENCE & PRESENTATION

SEMINARS, CONFERENCE & PRESENTATION

Conference proceedings

The 11th World Sustainability Forum (WSF 2025) - Sustainable and Resilient Cities.
Espai Pujades, Barcelona, Spain.
Date: October 2-3, 2025Date: September 21-24, 2025.
Participation with a poster.

Conference proceedings

AIIA 2025 - International Conference 2025 of the Italian Association of Agricultural Engineering (AIIA).
Department of agriculture of Mediterranea University of Reggio Calabria and Altafiumara Resort. Reggio Calabria (IT).
Date: September 21-24, 2025.
Participation as a speaker and also with a poster.

Conference Organization

Special Session "Livestock Gaseous Emissions from Animal Housing to the Field: New Advancements from Agritech Center" within the framework of the 2024 IEEE International Workshop on Metrology for Agriculture and Forestry.
NH Hotel, Padua (IT).
Dates: October 29-31, 2024.
Special Session Organization.

Conference proceedings

The 8th International Conference on Green Uranism.
Faculty of Architecture at "Sapienza" University of Rome (IT), Via Flaminia, 153.
Date: October 07-09, 2024.
Participation as a speaker.

Conference proceedings

13th International Conference on Sustainable Development and Planning.
Sevilla, Spain.
Date: September, 23-25, 2024.
Participation as a speaker.

Conference proceedings

AIIA 2024 - Biosystems Engineering Promoting Resilience To Climate Change. Mid-term conference.
Padua Fair, Padua (IT).
Date: June 17-19, 2024.
Participation as a speaker.

Lecture by invitation

"Sapienza", University of Rome.
Department of Architecture and Design, University of Rome.
Doctoral School in "Architecture: Theories and Design." - Seminar: "The Imaginary of Ruins. From Piranesi to Modernity. Theories and Design."
Chair of the seminar: Falsetti, M.
Date: March 22, 2023.
Lecture by invitation.

Lecture by invitation

"Sapienza", University of Rome.
Course in Urban Planning Design II.
Master's Degree in Architecture.
Chair of the course: Errigo, F.M.
Date: Dicember 19, 2022.
Lecture by invitation.

Lecture by invitation

"Sapienza", University of Rome.
Course in Urban Planning Design II.
Master's Degree in Architecture.
Chair of the course: Errigo, F.M.
Date: Dicember 21, 2021.
Lecture by invitation.

Lecture by invitation

"Sapienza", University of Rome.
Course in Elements of Urban Landscape Interpretation.
Bachelor's Degree in Architectural Science.
Chair of the course: Falsetti, M.
Date: Dicember 6, 2016.
Lecture by invitation.

Seminary Organization

"Sapienza", University of Rome.
Seminary titled "Il tema della rovina nel linguaggio Moderno e Contemporaneo".
Aula Fiorentino Faculty of Architecture at "Sapienza" University of Rome (IT), Via A. Gramsci, 53.
Date: March 4, 2016.
Seminary Organization.

Conference proceedings

"Sapienza", University of Rome.
Conference titled "2015 - 1965: Corbu dopo Corbu".
Aula Fiorentino Faculty of Architecture at "Sapienza" University of Rome (IT), Via A. Gramsci, 53.
Date: November 25, 2015.
Participation as a speaker.

Conference Organization

Conference titled "Attualità della Rovina".
Casa dell'Architettura in Rome (IT), Piazza M. Fanti, 47.
Date: December 11 - December 30, 2015.
Conference Organization.

Conference proceedings

Conference titled "La ricerca che cambia", National Conference of Italian Doctorates in Architecture, Planning, and Design.
IUAV Doctoral School, University of Venice (IT).
Date: November 19-20, 2014.
Participation as a speaker.

Conference proceedings

6th Global Conference Storytelling.
Hotel Real Palácio, Lisbon, Portugal.
Date: May 14-16, 2014.
Participation as a speaker.

Conference proceedings

International Conference Architectural Education and the Reality of the Ideal; Environmental Design for Innovation in the Post-Crisis World.
Faculty of Architecture, Federico II University of Naples (IT).
Date: October 3 - 5, 2013.
Participation as a speaker.

AWARDS & RECOGNITIONS

AWARDS & RECOGNITIONS

Honorable Mention

Honorable Mention
Awarded by the Order of Architects, Planners, and Landscape Architects of Viterbo and Province (Ordine APPC),
"*for the **excellent results achieved in teaching, education, research, and innovation in the disciplines of surveying, analysis, and representation of the environmental and anthropic components of the territory***."

Certificate issued on January 14, 2025.

Awards

Archiprix International Madrid 2015 - Hunter Douglas Awards. World's Best Graduation Project.
Thesis selected in the first phase by "Sapienza" University of Rome to represent the Institution as the best graduation thesis
Organizing entity: Archiprix International in collaboration with University: ETSAM | UPM.
Date: May, 2015.

Awards

Archiprix Italia 2013. Best graduation Project in the fields of Architecture, Urban Planning and Landscape Architecture and Architectural Restoration.
Thesis selected in the first phase and awarded as a finalist in the competition.
Organizing entity: The National Council of Architects, Planners, Landscape Architects, and Conservators in partnership with Archiprix International.
Date: January 2014

DESIGN COMPETITIONS DESIGN COMPETITIONS

April 2019

Design Competition: Open two-stage design competition (digital submission), for the development of the innovative regeneration project of the Carracci School Complex / Concorso di progettazione a procedura aperta in due gradi per la realizzazione dell'intervento innovativo di rigenerazione del nuovo complesso scolastico Carracci.
Proposed Project: The School and the Patio / La scuola e il patio.
Project selected in the second phase and awarded 2nd place.
Organizing Entity: Municipality of Bologna, under the patronage of the Ordine degli Architetti P.P.C. di Bologna, Ordine degli Ingegneri di Bologna, and Fondazione Architetti di Bologna.
Team Leader: Arch. Rocco Cammarota.
Role: Designer.

April 2017

Design Competition: Open two-stage design competition: Rigene-rare the Panoramic School / Concorso di progettazione a procedura aperta in due gradi: Rigene-rare la scuola panoramica.
Proposed Project: The Elementary School, the Nursery and the Open Block / La scuola elementare, il nido e l'isolato aperto.
Project selected in the second phase and awarded 2nd place.
Organizing Entity: Municipality of Riccione, under the patronage of the Consiglio Nazionale degli Architetti Pianificatori Paesaggisti e Conservatori, Federazione Ordine Architetti A.P.P.C. Emilia Romagna, Fondazione Architetti e Ingegneri Liberi Professionisti registered with INARCASSA, Ordine degli A.P.P.C. della Provincia di Rimini, and Ordine degli Ingegneri della Provincia di Rimini.
Team Leader: Arch. Rocco Cammarota.
Role: Designer.

September 2016

Design Competition: Two-stage design competition: Reconstruction of the Library of the Anton Dohrn Zoological Station in Naples / Concorso di progettazione a procedura aperta in due gradi: Ricostruzione della biblioteca della Stazione Zoologica Anton Dohrn di Napoli.
Proposed Project: Recovery of the former library of the A. Dohrn Zoological Station / Recupero dell'ex biblioteca della Stazione Zoologica A. Dohrn.
Project selected in the second phase and awarded 10th place.
Organizing Entity: Anton Dohrn Zoological Station, a Public Research Institution, with the support and sponsorship of the Fondazione Architetti e Ingegneri Liberi Professionisti registered with INARCASSA.
Team Leader: Arch. Alessandro Felice.
Role: Designer.

December 2013 — **International Ideas and Design Competition**: Europan 12_The Adaptable City: Inserting Urban Rhythms.
Proposed Project: Urban Canals / Canali Urbani.
Project awarded with a special mention.
Organizing Entity: Europan Europe.
Team Leader: Dr. Arch. Bianca Montorselli.
Role: Designer.

November 2013 — **International Ideas Competition**: The Advanced Architecture Contest, the 5th edition_Self-Sufficient City.
Proposed Project: Tree Sharing Habitat.
Project selected in the second phase as a finalist.
Organizing Entity: Institute for Advanced Architecture of Catalonia.
Role: Team Leader.

November 2013 — **International Design Competition**: Two-stage design competition for the redevelopment of the transformation area located in Via Marconi, 32A, Seriate (BG) / Concorso di progettazione a procedura aperta in due gradi per la definizione dell'ambito di trasformazione sito in Via Marconi, 32A, Seriate (BG).
Proposed Project: Re-start City, that is, opportunities for all / Re-start City, ovvero, opportunità per tutti.
Project selected in the second phase and awarded IV place ex-aequo.
Organizing Entity: Mazzoleni Trafilerie Bergamasche, in partnership with the Ordine degli Architetti Pianificatori Paesaggisti e Conservatori della Provincia di Bergamo, under the patronage of Comune di Seriate, Ordine degli Ingegneri della Provincia di Bergamo, and Ance – Bergamo.
Team Leader: Andrea Grimaldi.
Role performed: Design consultant (bioclimatic and eco-sustainability).

March 2013 — **International Ideas Competition**: Design Assignment: Design for the redevelopment of the residential and commercial area in the "San Pardo" district, Matera / Progettazione della riqualificazione dell'area, residenziale e commerciale, ricadente nella zona "San Pardo" a Matera.
Proposed Project: RE-USE / RIUSO
Organizing Entity: Nemesis group, Via Lucana, 11Matera (MT).
Project awarded 2nd place.
Team leader: Dr. Arch. Simone Bernardini
Role performed: Design collaborator.

PUBLISHED PROJECTS, POSTERS AND OTHERS CONTRIBUTIONS

PUBLISHED PROJECTS, POSTERS AND OTHERS CONTRIBUTIONS

Poster — **The 11th World Sustainability Forum (WSF 2025) -** Sustainable and Resilient Cities.
Espai Pujades, Barcelona, Spain.
Poster titled "Sustainable Seismic Retrofitting of Rural Masonry Buildings with SRG Materials: Review, Perspectives, and a Strategy for Protecting Landscape and Heritage".
Role: First design author and corresponding.
Date: October 2-3, 2025.

Poster — **AIIA 2025 - International Conference 2025 of the Italian Association of Agricultural Engineering (AIIA).**
Department of agriculture of Mediterranea University of Reggio Calabria and Altafiumara Resort. Reggio Calabria (IT).
Poster titled "Strategies for Sustainable Recovery in the Case Study of a Historic Farmhouse in the Agro Romano. A Preliminary Methodological Development".
Role: Design author.
Date: September 21-24, 2025.

Poster

International Conference "European Conference on Precision Livestock Farming 2024 - Workshop: "Precision Livestock Farming for Adaptation and Mitigation of Climate Change: Applications and New Frontiers of Research. The Contribution of Spoke 5 of the National Center for Technology in Agriculture (AGRITECH)".
Palazzo della Cultura e dei Congressi, Bologna (IT).
Poster titled "Operational Scenarios for the Improvement of Livestock Buildings".
Role: First design author and corresponding.
September 9, 2024.

Poster

XVIII Convegno dell'Associazione Rete Italiana LCA – "Life Cycle Thinking a supporto di modelli di produzione e di consumo sostenibili".
Università "G. D'Annunzio" Chieti- Pescara – Pescara (IT).
Poster titled "Carbon footprint optimisation in the early design stage of a reinforced concrete structure through the selection of slabs typology".
Role: Design author.
July 3-5, 2024.

Curation and Setup of the Exhibition

House of Architecture in Rome - Acquario Romano.
Piazza M. Fanti, 47, Rome (IT).
Role: Setup and curation of the exhibition "La Modernità delle Rovine".
Organized with Corvino, E.; Morselli, E.
December 11 - December 30, 2015.

Published Project

Rottamopoli: A Possible Scenario for the Former Refinery.
In Capanna, A.; Nencini, D. (Eds), *Progetti di riciclo. Cinque aree strategiche nella coda della cometa di Roma*, Aracne editrice: Roma (IT), 2016, pp. 132 - 135.
Role: Design author.
ISBN:978-88-548-9068.

Published Project

Tree Sharing Habitat.
Published Project in V. Gullarte, *Self-sufficient habitat: 5th advanced architecture contest*, Actar: Barcellona (ES), 2016, pp. 278-279.
Role: Design author.
ISBN:978-1-940291-73-4

Project selected for exhibition

Beneath the Surface
Project selected and exhibited as a result of participation in the call organized by the curators of the Italian Pavilion.
Italian Pavilion at the 19th International Architecture Exhibition – *La Biennale di Venezia*. From 10 May to 28 November 2025, Venice (IT).
Role: Sole and corresponding author.

MEMBERSHIP IN SCIENTIFIC SOCIETIES

MEMBERSHIP IN SCIENTIFIC SOCIETIES

Since 2025

Società Italiana di Ingneria Agraia **– AIIA**

Since 2025

Istituto Nazionale di Urbanistica **– INU**

WORKSHOP AND INVITED TALKS

WORKSHOP AND INVITED TALKS

Invited talk

Conference titled: "Presentazione della Proposta di Legge regionale n° 167 - Recupero mediante cambio di destinazione d'uso di unità immobiliari in aree rurali".
Università degli Studi della Tuscia, Viterbo (IT).
May 30, 2025.

Invited talk

Seminary titled "Beauty and the Built landscape".
Seminar in preparation for the international congress of urban planning.
Palazzo dei Priori, Viterbo (IT).
June 20-21, 2024.

Invited talk

Seminary titled "Beauty and the Built landscape".
Seminar in preparation for the international congress of urban planning.
Palazzo dei Priori, Viterbo (IT).
June 20-21, 2024.

Invited talk

Conference titled: "Il Ruolo sociale dei professionisti".
House of Architecture in Rome - Acquario Romano, Rome (IT).
Piazza M. Fanti, 47, Rome (IT).
Date: June 14, 2023.

Invited talk

Conference titled "Rigenerazione urbana e nuovi struimenti urbanistici".
Auditorium bpf, Fondi (IT).
Date: March 31, 2023.

Invited talk

Seminary titled "Qualità dell'Architettura".
Conference Hall of Unindustria, Viterbo (IT).
Date: May 13, 2023.

Invited talk

Conference titled "L'Urbanistica nei piccoli e medi centri".
Conference Hall of Unindustria, Viterbo (IT).
Date: December 22, 2022.

Invited talk

Profezia dell'Architettura (II ed).
Conference titled: "Periferia come Luogo dell'Identità".
Cinema Italia Theatre, Macerata (IT).
Date: April 30, 2015.

LANGUAGES & COMPUTER SKILLS

LANGUAGES & COMPUTER SKILLS

Languages

Italian (Mother Tongue) English (Good) Spanish (Fluent).

Computer Skills

AutoCAD, 3ds Max with V-Ray engine, Maya 3D, Cinema 4D, Rhinoceros, SketchUp, Archicad, Adobe Creative Suite (Photoshop, Illustrator, InDesign), Microsoft Office Suite (Word, Excel, PowerPoint) (Good knowledge), TerMus (energy performance software), ENVI-met (microclimate simulation software).