

Scientific, Educational, Research activity during the last decade.

Name, specialty, Faculty Position:

Flora-Maria Bougiatioti, Dr. Architect Engineer

Assistant Professor

Subject: Environmental Technology in Architectural Design

Research interests:

- Bioclimatic design of buildings and open spaces
- Environmental design of buildings and open spaces
- Thermal behaviour of building materials
- Environmental impact of building materials

Laboratory/Department: Department IV Architectural Technology

Studies:

- 1_Diplomate Architect Engineer, Department of Architecture, Polytechnic School, Aristotle University of Thessaloniki (1995-2000)
- 2_M.Sc. NTUA, «Architecture-Spatial Design», Architectural Design - Space - Culture, School of Architecture. (2000-2002)
- 3_Ph.D. NTUA (2003-2007), PhD thesis title: "*The thermal behaviour and the environmental impact of the materials used in the open spaces and the shell of buildings in Greece*"

Teaching experience:

Undergraduate courses:

Teaching assistant (I.K.Y. Scholarship) (2001-2006), **Adjunct lecturer** (2007-2010), **Lecturer** (under appointment 2012-14), **Lecturer** (2014-2016)

Assistant Professor (2016-today)

3 rd semester	Building Material Technology 1 (up to 2018) Building Technology 1: Small-scale buildings - Analysis and design of a small scale Building Materials (2019-)
4 th semester	Building Material Technology 2 (up to 2018) Building Technology 2: Small-scale buildings - Analysis and design of conventional building elements, components and systems
5 th semester	S.T. in Building Material Technology, Special Topics / S.T. in Building Materials Building Technology 3: Building construction analysis and design in relation to the principles of sustainability and bioclimatic architecture
6 th semester:	Architectural Design 6A: Architectural Structures (2016-2018) Architectural Design 6_N: Small scale structures – Building, Space, Object (2021-) Special Topics In Building Technology 6: S.T. in Bioclimatic and Sustainable Design
9 th semester:	Supervision of 9 th semester Dissertations

Post-graduate courses:

1_2006-2010: NTUA, Post-graduate programme «Architecture-Spatial Design», Architectural Design - Space - Culture, Collaboration in the course: *Bioclimatic Design*

2_2006-2016: Hellenic Open University, Post-graduate Programme «ΠΣΠ-Environmental Design of Cities», ΠΣΠ-60: Environmental Design of Cities and Open Spaces / ΠΣΠ-61: Environmental Design of Buildings, Adjunct staff for the Supervision of post-graduate dissertations and teaching.

Educational material, books, notes (number, indicative reference of most important)

Lectures in the course: Building Materials (uploaded as notes at mycourses.ntua.gr):

- «Natural stones»
- «Artificial stones»
- «Metals»

«Glass»

«Thermal insulation and insulation materials»

«Water-proofing, condensation and water-proofing materials»

Lectures in the course: Building Technology 3 (uploaded as notes at mycourses.ntua.gr):

«Thermal insulation. Theory and calculations»

«Condensation. Protection from condensation»

«Sustainable design from A to Z»

Lectures in the course: S.T. in Building Materials 5 (uploaded as notes at mycourses.ntua.gr):

«Thermal insulation. Theory and Calculations»

«Interstitial condensation. Theory and Calculations»

«Thermal behaviour of building materials»

«Environmental impact of building materials»

«IR thermography»

«Indoor air quality»

«Ecological materials»

«Water and vegetation as building materials»

Lectures in the course: S.T. in Building Technology 6 (uploaded as notes at mycourses.ntua.gr):

«Design Builder® software presentation»

«Thermal comfort –Environmental and subjective parameters»

«Urban microclimate and bioclimatic design of open spaces»

«Daylighting»

«Green installations and renewable energy sources in buildings»

Organisation of student laboratories in coordination with other schools -

Research work:

Research programs: (number, role, indicative reference of most important: year(s), title, implementation, funding)

1_2002-2003: Member of the working group of the Research Programme «Measures for the improvement of the energy performance of the NTUA Buildings», Working group responsible: Dr. Euphrosyne Triantis, Scientific Responsible: Prof. A. Lygeros, Athens: NTUA, Office of Energy Performance, Deliverables: 3 volumes (*Proposals for the improvement of the energy performance of NTUA Buildings: The Rural and Surveying Engineers Building, the Chemical Engineers Building, the Administration Building*).

2_2003-2007: PhD Research (I.K.Y. Scholarship, Specialty: Architecture and Environment), NTUA School of Architecture, Department IV-Architectural Technology, « *The thermal behaviour and the environmental impact of the materials used in the open spaces and the shell of buildings in Greece*», Supervising committee: Prof. E. Evangelinos, Prof. G. Poulakos and Prof. E. Zacharopoulos, pp. 511.

3_2007-2010: Member of the working group of the Research Programme: «Measurement of the sound insulation of partitions and floors and of the sound absorption of materials», Scientific Responsible: Prof. G. Poulakos, Athens: NTUA, Acoustics Laboratory.

Publications: (books, articles – number, indicative reference)

1_Six (6) chapters in books

F. Bougiatioti, 2004, «The urban microclimate of Athens. Bioclimatic interventions for its modification», Dimitra Babalis, (Ed.), *Ecological Design for an Effective Urban Regeneration*, Florence: Firenze University Press, pp. 121-128

F. Bougiatioti, 2005, «The thermal role of materials in mediterranean cities», Dimitra Babalis, (Ed.), *ECOPOLIS: Sustainable Planning and Design Principles*, Florence: Alinea Editrice, pp. 115-123

F. Bougiatioti, 2006, «The thermal behaviour and the environmental impact of the materials used in the 'skin' of mediterranean cities», Dimitra Babalis, (Ed.), *ECOPOLIS: Sustainable Planning and Design Principles. Revealing and Enhancing Sustainable Design*, Florence: Alinea Editrice, pp. 151-158

Flora Bougiatioti, 2011, "The summer thermal behavior of "skin" materials in Greek cities as a decisive parameter for their selection, Dr. Elisha B. Babatunde, (Ed.), *Solar Radiation*, InTech - Open Access Publisher, pp. 419-446.

Φλώρα Μπουγιατιώτη, 2019, "Παράμετροι βιωσιμότητας στην επιλογή των υλικών που χρησιμοποιούνται στον αρχιτεκτονικό σχεδιασμό των υπαίθριων χώρων και του κελύφους των κτιρίων", Στο: Π. Κοσμόπουλος (επιμ.), Για ένα βιώσιμο οικιστικό περιβάλλον. Προκλήσεις-Απειλές-Προτάσεις, Θεσσαλονίκη: University Studio Press.

2_Fourty-four (44) articles in national and international peer reviewed conferences, with respective publication in the proceedings

Evangelos Evangelinos, Flora Bougiatioti, Aineias Oikonomou, 2003, «"Moving the air inside the urban fabric." A proposal for the city of Athens», Bustamante W., Collados E. (Eds.), *PLEA 2003. Rethinking development: Are we producing a people orientated habitat?*, Chile: Escuela de Construccion Civil. Pontificia Universidad Catolica de Chile / PLEA International, E-9 [CD-ROM].

Flora Bougiatioti, Aineias Oikonomou, 2004, «The use of different instrumentation for the measurement of surface temperatures of samples of materials used in the "skin" of Greek cities», de Wit M.H. (Ed.), *PLEA 2004. 21st International Conference Passive and Low Energy Architecture. Built Environments and Environmental Buildings*, The Netherlands: Technische Universiteit Eindhoven, pp. 193-198 (vol. 1)

Evangelos Evangelinos, Flora Bougiatioti, Aineias Oikonomou, 2004, «Shadum Evaporatis. An Autonomous and Eco-Friendly Tree», de Wit M.H. (Ed.), *PLEA 2004. 21st International Conference Passive and Low Energy Architecture. Built Environments and Environmental Buildings*, Eindhoven, The Netherlands, The Netherlands: Technische Universiteit Eindhoven, pp. 199-203 (vol. 1)

Flora Bougiatioti, 2005, «The effect of water-sprinkling on the surface temperatures of the materials used on the "skin" of Greek cities», M. Santamouris (Ed.), *1st International Conference. Passive and Low Energy Cooling for the Built Environment. Palenc 2005, Santorini, Greece*, Athens: Heliotopos Conferences Ltd, pp. 749-754 (vol. II)

Flora Bougiatioti, 2005, «The effect of shading on the surface temperatures of the materials used on the "skin" of Greek cities», M. Santamouris (Ed.), *1st International Conference. Passive and Low Energy Cooling for the Built Environment. Palenc 2005. 19-21 May 2005, Santorini, Greece*, Athens: Heliotopos Conferences Ltd, pp. 775-780 (vol. II)

Evangelos Evangelinos, Flora Bougiatioti, Aineias Oikonomou, 2005, «Schematic design proposals of the implementation of PDEC in the urban open spaces of Athens», M. Santamouris (Ed.), *1st International Conference. Passive and Low Energy Cooling for the Built Environment. Palenc 2005, Santorini, Greece*, Athens: Heliotopos Conferences Ltd, pp. 791-796 (vol. II)

F. Bougiatioti, 2005, «Measurements of surface temperatures of materials in urban open spaces of Athens, Greece», Raydan D.K., Melki H.H. (Eds.), *PLEA 2005. 22nd International Conference. Environmental Sustainability. The Challenge of Awareness in Developing Societies*, Lebanon: Notre-Dame University Publishing, pp. 565-570.

Flora Bougiatioti, 2006, «The effect of urban geometry on the surface temperatures of materials' used in the "skin" of greek cities», Compagnon R., Haefeli P., Weber W. (Eds.), *PLEA 2006. 23rd International Conference. Clever Design, Affordable Comfort. A challenge for low energy architecture and urban planning*, Geneva: PLEA, HesSo, Universite de Geneve, pp. 471-476 (vol. I)

Achilleas Stoios, Flora Bougiatioti, Aineias Oikonomou, 2006, «Thermal performance of a passive solar house for continental climate, in Florina, north-western Greece», Compagnon R., Haefeli P., Weber W. (Eds.), *PLEA 2006. 23rd International Conference. Clever Design, Affordable Comfort. A challenge for low energy architecture and urban planning*, Geneva: PLEA, HesSo, Universite de Geneve, pp. 863-868 (vol. II)

Euphrosyne Triantis, Flora Bougiatioti, Aineias Oikonomou, 2006, «Users' perception of comfort and well-being in university buildings», Compagnon R., Haefeli P., Weber W. (Eds.), *PLEA 2006. 23rd International Conference. Clever Design, Affordable Comfort. A challenge for low energy architecture and urban planning*, Geneva: PLEA, HesSo, Universite de Geneve, pp. 405-410 (vol. I)

Flora Bougiatioti, 2007, «The effect of shading on the night-time radiant cooling of the materials used on horizontal city surfaces», Wittkopf S.K., Tan B.K. (Eds.), *Sun Wind and Architecture, The Proceedings of 24th International Conference on Passive and Low Energy Architecture*, Singapore: Department of Architecture, School of Design and Environment, National University of Singapore & Research Publishing Services, pp. 803-804 (CD-ROM), pp. 332-333 (τόμος πρακτικών)

Flora Bougiatioti, Aineias Oikonomou, Evangelos Evangelinos, 2009, «"Think globally, Act locally". A regionalistic approach to the evaluation of the environmental impact of building materials in Greece», C. Demers, A. Potvin (Eds.), *Architecture, Energy and the Occupant's Perspective*, Canada: Les Presses de l' Universite Laval (<http://www.plea2009.arc.ulaval.ca>), pp. 927-931.

Aineias Oikonomou, Flora Bougiatioti, 2009, «Learning from the past: Environmental aspects of the traditional settlements of the Verno mountain, North-Western Greece», C. Demers, A. Potvin (Eds.), *Architecture, Energy and the Occupant's Perspective*, Canada: Les Presses de l' Universite Laval (<http://www.plea2009.arc.ulaval.ca>), pp. 504-509.

Flora Bougiatioti, Aineias Oikonomou, Evangelos Evangelinos, 2009, «Bioclimatic issues in the design and construction of traditional and contemporary open spaces in Greece», Gür, Ş.Ö. (Ed.), *LIVENARCH IV (RE/DE) Constructions in Architecture. 4th International Congress Liveable Environments and Architecture*, Trabzon: Karadeniz Technical University, Faculty of Architecture, Department of Architecture, pp. 617-630 (vol. 2).

Αινείας Οικονόμου, Φλώρα Μπουγιατιώτη, 2010, «Η αρχιτεκτονική κληρονομιά των ορεινών οικισμών του Όρους Βέρνο», 6ο Διεπιστημονικό Διαπανεπιστημιακό Συνέδριο: «Η Ολοκληρωμένη Ανάπτυξη των Ορεινών Περιοχών», ΜΕ.Κ.Δ.Ε. Ε.Μ.Π., Μέτσοβο, [Online] Available http://www.ntua.gr/MIRC/6th_conference/6th_conference_presentations.html

Aimilios Michael, Flora Bougiatioti, Aineias Oikonomou, 2010, «Less could be more: Architectural integration of active solar systems in existing urban centres», *7th Mediterranean Conference and Exhibition on Power Generation, Transmission, Distribution and Energy Conversion (MedPower 2010)*, 7-10 Νοεμβρίου 2010, Αγ. Νάππα, Κύπρο. (Σε αναμονή έκδοσης τεύχους πρακτικών)

Φλώρα Μπουγιατιώτη, Αινείας Οικόνου, 2013, «Τεχνικές εξοικονόμησης νερού στο παραδοσιακό περιβάλλον της Σίφνου», *Πρακτικά Δ' Διεθνούς Σιφναϊκού Συμποσίου*, Αθήνα: Σύνδεσμος Σιφναϊκών Μελετών, σελ. 173-186.

Aimilios Michael, Flora Bougiatioti, 2014, «Architectural Integration of Active Solar Systems on the Facades and Roofs of Existing Buildings in the East-Mediterranean Region», In: *International Conference on Renewable Energies and Power Quality (ICREPQ'14) Cordoba (Spain), 8th to 10th April, 2014, Renewable Energy and Power Quality Journal (RE&PQJ)*, No.12, April 2014, ISSN 2172-038 X, [Online] Available <http://lsee.sel.eesc.usp.br/Congressos/ICREPQ2014/icrepq%2714/397.14-Michael.pdf>, 1-6.

Φλώρα Μπουγιατιώτη, Αιμίλιος Μιχαήλ, 2014, «Αρχιτεκτονική ένταξη ενεργητικών ηλιακών συστημάτων σε όψεις και δώματα υφιστάμενων κτιρίων και σε υπαίθριους χώρους αστικών κέντρων στις χώρες της Ανατολικής Μεσογείου», Στο: Γ. Τσιλιγκιρίδης, Φρ. Τσιαμούρη (επιμ.), *Πρακτικά 10ου Εθνικού Συνεδρίου για τις Ήπιες Μορφές Ενέργειας*, [Online] Available, http://vergina.eng.auth.gr/IHT/Proceedings_10.htm, Θεσσαλονίκη: Ινστιτούτο Ηλιακής Τεχνικής, σ. 881-890 (τόμος Β-02)

Flora Bougiatioti, Michalis Papagiannakis, Aineias Oikonomou, 2015, «Environmental aspects of the vernacular architecture of NW Greece. The settlement of Psarades», In: M. Philokyprou, A. Michael, A. Savvides (Eds.), *Biocultural 2015, International Conference on Sustainability in Architectural Cultural Heritage Biocultural Research Programme*, University of Cyprus, pp.58-68.

Flora Bougiatioti, Aineias Oikonomou, 2016, «The city palimpsest as a think-tank for sustainable development», In: Bikas, D., Aravantinos, D. (Eds.), *SBE16 – Sustainable Synergies from Buildings to the Urban Scale*, A,U,Th., Dpt. Of Civil Engineering, Lab. of Building Construction & Building Physics, CD-ROM (Book of Abstracts, σελ. 134).

Flora Bougiatioti, Aineias Oikonomou, 2016, «The bioclimatic performance of Byzantine settlements as defined by Byzantine Building Codes», In: Bikas, D., Aravantinos, D. (Eds.), *SBE16 – Sustainable Synergies from Buildings to the Urban Scale*, A,U,Th., Dpt. Of Civil Engineering, Lab. of Building Construction & Building Physics CD-ROM (Book of Abstracts, σελ. 28).

Aineias Oikonomou, Flora Bougiatioti, Panagiotis Georgopoulos, 2018, «The course of building materials in historic buildings and monuments. From creation to reuse», In: Kouli, M., Zezza F., Kouli, D. (Eds.), *10th Int. Symposium on the Conservation of Monuments in the Mediterranean Basin. Natural and Anthropogenic Hazards and Sustainable Preservation*, Springer, pp. 433-443.

Eleni Alexandrou, Flora Bougiatioti, Miltos Katsaros, 2018, «The sustainable redesign of existing buildings in Greece: The case of existing, typical residences», In: Elsharkawy H., Zahiri S. and Clough J. (Eds.), *International Conference for Sustainable Design of the Built Environment - SDBE 2018*, British Council, Newton Fund, Institutional Links, pp. 905-917.

3_Eleven (11) articles in peer reviewed international journals

Φλώρα-Μαρία Μπουγιατιώτη, 2007, «Η θερμική συμπεριφορά και η περιβαλλοντική επίδραση των υλικών που χρησιμοποιούνται στους υπαίθριους χώρους και στο κέλυφος των κτιρίων στην Ελλάδα», *Τεχνικά Χρονικά, Ηλεκτρονική Έκδοση*, Μάρτιος-Απρίλιος 2007, Τεχνικό Επιμελητήριο Ελλάδας, [Online] Available, http://portal.tee.gr/portal/page/portal/PUBLICATIONS/BYMONTHLY_PUBLICATIONS/dimniaia_2007

F. Bougiatioti, E. Evangelinos, G. Poulakos, E. Zacharopoulos, 2009, «The summer thermal behaviour of "skin" materials for vertical surfaces in Athens, Greece as a decisive parameter for their selection», *Solar Energy*, 83:4, pp. 582-598 [DOI: <http://dx.doi.org/10.1016/j.solener.2008.06.012>]

F. Bougiatioti, E. Evangelinos, G. Poulakos, E. Zacharopoulos, 2009, «An assessment of construction details as indicators of the environmental impact of materials used on the "skin" in Greek cities» *Management of Environmental Quality*, 20:2, pp. 142-154 [DOI: 10.1108/14777830910939453]

A. Oikonomou, F. Bougiatioti, 2011, «Architectural structure and environmental performance of the traditional buildings in Florina, NW Greece», *Building and Environment*, 46:3, pp. 669-689 [DOI: 10.1016/j.buildenv.2010.09.012]

F. Bougiatioti, A. Michael, 2015, «The architectural integration of active solar systems. Building applications in the Eastern Mediterranean region», *J. Renewable and Sustainable Energy Reviews*, 47:3, pp. 966-982 [DOI: 10.1016/j.rser.2015.03.030]

F. Bougiatioti, A. Oikonomou, 2017, «The bioclimatic performance of Byzantine settlements as defined by Byzantine Building Codes», *J. Procedia Environmental Sciences*, 38, pp. 651-657 [<https://doi.org/10.1016/j.proenv.2017.03.145>]

F. Bougiatioti, A. Oikonomou, 2017, «The city palimpsest as a think-tank for sustainable development», *J. Procedia Environmental Sciences*, 38, pp. 789-795 [<https://doi.org/10.1016/j.proenv.2017.03.163>]

F. Bougiatioti, A. Oikonomou, 2020, «Architectural structure and environmental performance of Byzantine houses», *J. Building and Environment*, 170, 106605 [<https://doi.org/10.1016/j.buildenv.2019.106605>]

Flora Bougiatioti, Aineias Oikonomou, 2020, «Bioclimatic analysis of streets and buildings of the Byzantine period», IOP Conference Series Earth and Environmental Science, 410, IOP Science, 01, 2100 [DOI: 10.1088/1755-1315/410/1/012100]

Eleni Alexandrou, Flora Bougiatioti, Miltos Katsaros, 2020, «Assessment of the sustainable redesign of existing buildings in Greece in the context of an undergraduate course: Application of passive solar systems in existing, typical residences», IOP Conference Series Earth and Environmental Science, 410, IOP Science, 01, 2089 [DOI: 10.1088/1755-1315/410/1/012089]

4_Three (3) articles in technical journals (not peer-reviewed) journals (in greek)

Αινείας Οικονόμου και Φλώρα Μπουγιατιώτη, 2007, «Το νερό στην πόλη. Μια περιβαλλοντική και βιοκλιματική προσέγγιση», Monumenta, τ.02, *Η δύναμη του νερού*, [Online] Available, <http://www.monumenta.org>

Πάνος Παρθένιος, Βασίλης Θωμάς, Φλώρα Μπουγιατιώτη και Αινείας Οικονόμου, 2009, «Βιοκλιματική κατοικία στο Δασαμάρι Πικερμίου», Building Green, τ.13, σελ. 32-35.

Φλώρα Μπουγιατιώτη και Αινείας Οικονόμου, 2020, «Το νερό στην πόλη. Μια περιβαλλοντική και βιοκλιματική προσέγγιση», Monumenta, τ.02, *Η δύναμη του νερού*, [Online] Available, <http://www.monumenta.org>

Φλώρα Μπουγιατιώτη και Αινείας Οικονόμου, 2020, «Βιοκλιματικός σχεδιασμός αστικών υπαίθριων χώρων. Νερό και πράσινο στην πόλη», ΚΤΙΡΙΟ, τ.20, Σεπτέμβριος 2020, Τεχνικές Εκδόσεις Κτίριο, σ. 95-102.

Applied research work:

Architectural work:

2004: Study and construction of two vacation houses in Exambela, Sifnos, in collaboration with Aineias Oikonomou and Irene Antonaka-Bougiatioti.

2005: Design of the UIA-ARES Work Group exhibition pavilion at the UIA XXII World Congress of Architecture "The Grand Bazaar of Architecture", held in Istanbul, Turkey, 3-7 / 7 / 2005 (K Building - Harbiye Military Museum). In collaboration with architects D.Polychronopoulos, K.Pipinis, M.Kolyris, K.Krikou, M.Xenakis, A.Oikonomou, D.Papantonis and V.Stoubou.

2007-2008: Work-group for bioclimatic and environmental design, in collaboration with Aimlios Michael and Aineias Oikonomou: «Technical report on the requirements of architecture, ecological construction and bioclimatic design of the buildings and open air space of Cyprus Cultural Centre»

Publication of architectural work: (books, articles, exhibitions – number, indicative reference to the most important)

Ten (10) publications of architectural work:

Indicatively:

2003: The participation to the International Architectural Competition "Ephemeral Structures in the city of Athens", in Lina Stergiou (Ed.), *Cultural Olympiad 2001-2004. International Architecture Competition: Ephemeral Structures in the City of Athens*, Athens: Cultural Olympiad 2001-2004, Book 3: Revelation, p. 277.

2004: The awarded participation in the UIA International Consultation "Celebration of Cities", in UIA Newsletter, 3, p. 12.

2007: The participation as Environmental Design Consultant with the Office Parthenios Architects, to the Architectural Competition 38°30'15"N Vacation Houses, in ΔΟΜΕΣ, Διεθνής Επιθεώρηση Αρχιτεκτονικής 02 07, p. 84-85.

2009: The participation to the Panhellenic Architectural Competition "Standard house types of 65m², 80m² και 95m² for the restoration of the areas devastated by the wildfires of August 2007", ΕΤΑΕΑ & ΣΕΓΜ, p. 106-107, 174-175, 226-27.

2010: The awarded participation as Environmental Design Consultant with IMA Architectural Studio (Ierides & Michael Architects) in the "Architectural Competition for the High School of Dasoupolis Archbishop Makarios C" in ΑΡΧΕΙΟ, vol. 8, July 2010, p. 29.

Διακρίσεις, βραβεία: (number, indicative reference to most importance)

One (1) Scholarship:

2003-2006: National IKY Scholarship, Specialty "Architecture and Environment" for the PhD Dissertation.

Five (5) awards in architectural competitions, the three (3) as Environmental Design Consultant:

2003: Participation, in collaboration with Aineias Oikonomou and Evangelos Evangelinos, in the UIA (Union International des Architectes) International Consultation "Celebration of Cities" (student category). The entry was between the 5 greek (national selection), that participated in the international selection, and was awarded the **Prize for Region II**.

2008: Participation as **Environmental Design Consultant** with IMA Architectural Studio (Ierides & Michael Architects) in the "Architectural Competition for the Larnaca Salt Lake Environmental Information Center". The entry received the **3rd Prize**.

2009: Participation as **Environmental Design Consultant** with IMA Architectural Studio (Ierides & Michael Architects) in the "Pancyriot Architectural Competition for the New Deryneia Town Hall", that received a **Mention**.

2009: Participation, in collaboration with Maria Eftychi and Aimilios Michael in the Competition «Brick-stainable. Rethinking the Brick», organised by the Potomac Valley Brick Company (<http://www.brick-stainable.com/>), that received the **1st Honorable Mention**.

2010: Participation as **Environmental Design Consultant** with IMA Architectural Studio (Ierides & Michael Architects) in the "Architectural Competition for the High School of Dasoupolis Archbishop Makarios C", that received a **Mention**.

Three (3) awards in scientific conferences:

2004: Evangelos Evangelinos, Flora Bougiatioti, Aineias Oikonomou, «Shadum Evaporatis. An Autonomous and Eco-Friendly Tree». **PLEA 2004 Best Poster Award**

2005: Flora Bougiatioti, «The effect of water-sprinkling on the surface temperatures of the materials used on the "skin" of Greek cities». **Palenc 2005 2nd Best Paper Presented by a Young Researcher Award**.

2005: Flora Bougiatioti, «The effect of shading on the surface temperatures of the materials used on the "skin" of Greek cities». **Palenc 2005 2nd Best Paper Presented by a Young Researcher Award**.

Citations: (number, indicative references)

159 citations (*researchgate.net)

Indicatively:

Axarli, K., 2005. "The influence of building design features on microclimatic modification in the warm periods of the year. Discussion based on temperature measurements", Santamouris M., Ed., *1st International Conference. Passive and Low Energy Cooling for the Built Environment. Palenc 2005*, Athens: Heliotopos Conferences Ltd., 1065-1071

Ali-Toudert F. & Mayer H., 2005. "Thermal comfort in urban street with trees under hot summer conditions", Raydan D.K. & Melki H.H., Eds., *PLEA 2005. 22nd International Conference. Environmental Sustainability. The Challenge of Awareness in Developing Societies*, Lebanon: Notre-Dame University Publishing, 699-704.

Kyparissi Th. & Dimoudi A., 2008. "Cooling energy savings potential in student halls", *International Journal of Ventilation*, 6:4.

Naticchia, B., et al., 2010. "Energy performance evaluation of a novel evaporative cooling technique". *Energy and Buildings*, 42: 10, pp. 1926-1938

Changqing Ye, et al., 2011. "Highly reflective superhydrophobic white coating inspired by poplar leaf hairs toward an effective "cool roof", *Energy Environmental Science*, 4, pp. 3364-3367

Annarita Ferrante, 2012. "Zero- and low-energy housing for the Mediterranean climate", *Advances in Building Energy Research*, 6:1, pp. 81-118.

Other scientific (member international organisations, scientific conferences organisation, editor in publications, etc.).

Seminar participation

1_ Three (3) lectures and participations in Socrates/Erasmus Intensive Programmes in Florence, Italy (2003: «The urban microclimate of Athens. Bioclimatic interventions for its modification», 2005: «The thermal role of materials in mediterranean cities», 2006: «The thermal behaviour and the environmental impact of the materials used in the 'skin' of mediterranean cities»).

2_ Two (2) lectures in seminars organised by the Vevi-Meliti (Florina) Learning Centre for the Environment and the Sustainability (2007: «Bioclimatic Architecture», 2009: «Climate change: The relationship with architecture and urban design»)

3_ (Athens: 11.2007-02.2008) Lectures, in collaboration with Arch.Eng. Dimitris Thomopoulos, of the Section "Introduction and Principles of Bioclimatic Design" of a total of 102 hours, in the programme *Bioclimatic Design of Buildings* organised by the OAED / Professional Training S.A.

Conference participation:

Participation of thirty three (33) National and International conferences and seminars, in Greece and abroad.

Member of committees and other scientific bodies:

1_Technical Chamber of Greece member (2000-today)

2_ Association of University Graduate Architects - Panhellenic Union of Architects member(2006-today)

Other scientific / professional work:

1_Reviewer in the following journals Applied Energy, Building and Environment, Journal of Cleaner Production, Renewable and Sustainable Energy Reviews, Journal of Building Engineering (Elsevier) and Indoor and Built Environment (Sage).

2_2003-2005: Participation in the UIA International Work Group ARES "Architecture and Renewable Energy Sources".

3_2012: CRES (Centre for Renewable Energy Sources) Evaluator for the EU Programme «**Bioclimatic upgrade of public open spaces**».

4_2013: CRES (Centre for Renewable Energy Sources) Evaluator for the EU Programme «**Green roofs in public buildings**».

5_2015: Scientific Committee member in the International Conference: Biocultural 2015, International Conference on Sustainability in Architectural Cultural Heritage, Limassol, Cyprus, December, 11-12, 2015.

7_2015-2016: Member of the Architecture Council of Piraeus, as NTUA School Representative.