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## CURRICULUM VITAE

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# CONTENTS

<b>CURRICULUM VITAE</b>	<b>1</b>
<b>STUDIES</b>	<b>2</b>
A. Publications in Reputable International Journals	3
B. Book Chapters	5
C. Publications in International Scientific Conferences with Judgement	5
D. Publications in Greek Scientific Conferences with Crisis	8
E. Technical Reports	9
F. Diploma Thesis / Dissertations	10
G. Scientific Recognition	10
H. Experimental Techniques & Theoretical Methods	10
<b>RESEARCH PROJECTS</b>	<b>11</b>
<b>EDUCATIONAL WORK</b>	<b>12</b>
Teaching Postgraduate Courses	12
Teaching Undergraduate Courses	13
Supervision of Diploma Thesis	15
<b>ADMINISTRATIVE WORK</b>	<b>17</b>
<b>OTHER PROFESSIONAL EXPERIENCE</b>	<b>17</b>
Projects/Programs	17

## CURRICULUM VITAE

**Dr. Vasilios Evagelopoulos** is a faculty member at the rank of Lecturer at the Department of Chemical Engineering of the University of Western Macedonia.

With the no. 1/1.14/3541/23-12-2015 (GG 203/8-3-2016, vol. C') act of the President of the TEI of Western Macedonia was appointed for a three-year term to a vacant organic position of Teaching Staff of the rank of Professor of Applications with "Specialization in Chemical, Environmental and Computational Technology" of the Department of Environmental Engineering and Antipollution Engineering T.E. With the Government Gazette 2060 / 4-11-2019 vol. C' he was appointed to a personal position of Lecturer, in the Department of Chemical Engineering former Environmental Engineering and Engineering Anti-pollution Department of the School of Technological Applications of the Technological Educational Institute of Western Macedonia - Law 4610/2019 (Government Gazette 70 / Τ.Α' / 7-5-2019)].

He is a **graduate** of the Department of Physics of the School of Sciences of the University of Ioannina (1991), holds a **Master's Degree** in Chemical, Environmental and Computational Technology – Simulation (2005) from the Department of Chemistry of the University of Ioannina and a **PhD** of the same department in Air Pollution (2008).

He is the author of **30** papers in international peer-reviewed journals that have received more than 255 **citations** in Scopus (Hirsch **coefficient, h-index = 8**) and **435 citations** in Google Scholar (**h-index = 11**). He is also the author of three chapters in a collective volume. In addition, he has a large number of publications and announcements in proceedings of international (**33**) and Greek conferences (**20**), following a crisis.

He has served as guest editor of a special issue in the Scientific Journals: Climate (IF: 3.38), Atmosphere (IF: 3.11). He is a **reviewer** in **>10** international scientific journals, such as Environmental Processes, Data in Brief, Air Quality, Atmosphere and Health, Journal of Environmental Monitoring, Environmental Monitoring and Assessment, Climatic Adaptation of Building Energy Performance.

He has participated as scientific coordinator in 7 research projects and in 14 as a researcher in different Universities and Research Centers (University of Western Macedonia, Democritus University of Thrace, TEI of Western Macedonia, Environmental Center of the Region of Western Macedonia).

He served as **President of the organizing committee** of the 1st Online Conference of Young Scientists "Mineral Resources-Environment-Chemical Engineering", 26-28 February 2021 organized by the Departments of Chemical and Mineral Resources Engineering of the University of Western Macedonia.

Dr. V. Evagelopoulos' **managerial experience** includes:

1. Deputy Director and member of the Special Interinstitutional Committee of the International Interinstitutional Postgraduate Program entitled "Food Quality Control", organized by the Department of Chemical Engineering of the University of Macedonia.
2. Member of the Special Interdepartmental Committee of the Interdepartmental Postgraduate Program entitled "Energy Investments and Environment" (EN. I.EN.), organized by the Department of Chemical Engineering of the University of Macedonia.
3. Member of the three-member committee for the conduct of electronic competitions (regular and international) for the period 1-1-17 until 31-12-2021 (from 1-1-20 to 31-12-21 chairman of the committee).

4. Member of the audit committees for compliance with the terms of the contract for the "feeding of the students of the TEI of Western Greece". Macedonia to Kozani for the period from 01-01-2019 to 31-12-2021.
5. Member of many application evaluation committees of various notices of the Department of Chemical Engineering and the ELKE of the University of Macedonia.

He has a rich academic work as, from the academic year 1995-1996 until today, he has taught 9 postgraduate courses and **>18 undergraduate courses** of wide titles (Air Pollution, Environmental Physics, Simulation – Dispersion Models, Physics, Physics of Materials, Computers, Thermodynamics, Convection Phenomena, Environmental Engineering), supervised **7 diploma theses** postgraduate students and more than 40 undergraduate diploma theses.

In the Department of Chemical Engineering he serves he teaches the courses Physics I, Computer Input, Environmental Physics and Modern Systems Monitoring Technologies. In the Computer Introduction course, students are taught programming using the python language, a key tool for use in monitoring environmental systems via the internet. The course Environmental Physics teaches issues related to the dispersion of pollutants in the atmosphere. The course Modern Systems Monitoring Technologies teaches ways to disseminate environmental information with modern technologies, such as the use of native mobile, web and cloud applications in the dissemination of information. Finally, the course of Physics I is taught basic knowledge of physics that is in the cognitive of his basic degree.

The research activities of **Dr. V. Evagelopoulos** focus on the area of air pollution and in particular, on the investigation of air pollution in urban and industrial areas with chemical and computational methods. Monitoring outdoor and indoor air quality using standard analyzers and Internet of Things (IoT) technology sensors. Development of applications for dissemination Real-time air quality data via web, cloud, and native mobile apps.

## STUDIES

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|------------------|---|
| <b>2005-2008</b> | <b>PhD</b> , Department of Chemistry, School of Sciences, University of Ioannina.<br><br><b>PhD Thesis Title:</b> CONTRIBUTION TO THE INVESTIGATION OF AIR POLLUTION IN URBAN AND INDUSTRIAL AREAS WITH CHEMICAL AND COMPUTATIONAL METHODS.<br><br><b>Supervisor:</b> Prof. Triantafyllos Albanis                     |
| <b>2003-2005</b> | Master's Degree from the Department of Chemistry of the University of Ioannina, in the direction of Chemical Technology with specialization in Chemical, Environmental and Computational Technology – Simulation.<br><br><b>Thesis Title:</b> ATMOSPHERIC POLLUTION IN URBAN AND INDUSTRIAL AREAS. THE CASE OF KOZANI |
| <b>1986-1991</b> | <b>BSc</b> , Department of Physics, School of Sciences, University of Ioannina.   |

## RESEARCH WORK

Dr. V. Evagelopoulos' **research activities** focus on the following areas:

Investigation of air pollution in urban and industrial areas with chemical and computational methods.

Monitoring of outdoor and indoor air quality using standard analyzers and Internet of Things (IoT) technology sensors.

Development of applications for real-time dissemination of air quality data via web, cloud and native mobile applications.

## A. PUBLICATIONS IN INTERNATIONAL JOURNALS

- A30. Rizos, K., Meleti, C., Evagelopoulos, V., & Melas, D. (2023). A machine learning modelling approach to characterize the background pollution in the Western Macedonia region in northwest Greece. *Atmospheric Pollution Research*, 14(10), 101877.
- A29. Begou, P., Evagelopoulos, V., & Charisiou, N. D. (2023). Variability of air pollutant concentrations and their relationships with meteorological parameters during covid-19 lockdown in western macedonia. *Atmosphere*, 14(9), 1398.
- A28. Begou, P., Evagelopoulos, V., & Charisiou, N. D. (2023). Impact of COVID-19 Restrictions on Inhalable Particles in the Atmosphere of Western Macedonia.
- A27. Evagelopoulos, V., Charisiou, N. D., & Begou, P. (2023). Fault detection of air quality measurements using artificial intelligence. In *E3S Web of Conferences* (Vol. 436, p. 10005). EDP Sciences.
- A26. Evagelopoulos, V., Begou, P., Kassomenos, P., & Zoras, S. (2022). Investigation of the particulate air pollution and the ratio of PM<sub>2.5</sub> to PM<sub>10</sub> concentrations in the atmosphere over the lignite mining and lignite-fired power plants region of Western Macedonia, Greece. In *IOP Conference Series: Earth and Environmental Science* (Vol. 1123, No. 1, p. 012077). IOP Publishing. <https://doi.org/10.1088/1755-1315/1123/1/012077>.
- A25. Evagelopoulos, V., Begou, P., & Zoras, S. (2022). In-Depth Study of PM<sub>2.5</sub> and PM<sub>10</sub> Concentrations over a 12-Year Period and their Elemental Composition in the Lignite Center of Western Macedonia, Greece. *Atmosphere*, 13(11), 1900. <https://doi.org/10.3390/atmos13111900>
- A24. Moutzakis, A., Zoras, S., Evagelopoulos, V., & Dimoudi, A. (2022). Experimental Investigation of Thermal Bridges and Heat Transfer through Window Frame Elements at Achieving Energy Saving. *Energies*, 15(14), 5055. <https://doi.org/10.3390/en15145055>.
- A23. Evagelopoulos, V., Charisiou, N. D., & Zoras, S. (2022). Dataset of Polycyclic aromatic hydrocarbons and trace elements in PM<sub>2.5</sub> and PM<sub>10</sub> atmospheric particles from two locations in North-Western Greece. *Data in Brief*, 108266. <https://doi.org/10.1016/j.dib.2022.108266>.
- A22. Evagelopoulos V., Charisiou N. D., Logothetis M., Evagelopoulos G. and Logothetis C. (2022). Cloud-based decision support system for air quality management. *Climate*, 10(3), 39. <https://doi.org/10.3390/cli1003003>.
- A21. Evagelopoulos, V., Charisiou, N. D., & Zoras, S. (2022). Dataset of inhalable particulate matter concentrations in the region of West Macedonia, Greece for an 11-year period. *Data in Brief*, 107883. <https://doi.org/10.1016/j.dib.2022.107883>
- A20. Evagelopoulos, V., Charisiou, N., & Evagelopoulos, G. (2021). Smart air monitoring for indoor public spaces using mobile applications. *IOP Conference Series: Earth and Environmental Science*, 899(1), 012006. <https://doi.org/10.1088/1755-1315/899/1/012006>
- A19. Iordanidis, A., Asvesta, A., Kapageridis, I., Vasileiadou, A., Koios, K., Oikonomidis, S., Kantiranis, N., & Evagelopoulos, V. (2020). Temporal Variation in the Compositional and Thermal Characteristics of Greek Lignite Bottom Ash Samples. *Solid Fuel Chemistry*, 54(6), 427–435. <https://doi.org/10.3103/S0361521921010055>
- A18. Vasileiadou, A., Zoras, S., Dimoudi, A., Iordanidis, A., & Evagelopoulos, V. (2020).

- Compost of Biodegradable Municipal Solid Waste as a Fuel in Lignite Co-combustion. *Environmental Research, Engineering and Management*, 76(4), 60–67. <https://doi.org/10.5755/j01.erem.76.4.24168>
- A17. Tsakmakis, I., Kokkos, N., Pinaras, V., Papaevangelou, V., Hatzigiannakis, E., Arampatzis, G., Gikas, G. D., Linker, R., Zoras, S., Evagelopoulos, V., Tsihrintzis, V. A., Battilani, A., & Sylaios, G. (2017). Operational Precise Irrigation for Cotton Cultivation through the Coupling of Meteorological and Crop Growth Models. *Water Resources Management*, 31(1), 563–580. <https://doi.org/10.1007/s11269-016-1548-7>
- A16. Zoras, S., Dimoudi, A., Evagelopoulos, V., Lyssoudis, S., Dimoudi, S., Tamiolaki, A.-M., Stathis, V., Polyzakis, A., & Deligiorgi, E. (2015). Bioclimatic rehabilitation of an open market place by a computational fluid dynamics simulation assessment. *Future Cities and Environment*, 1(0), 6. <https://doi.org/10.1186/s40984-015-0009-4>
- A15. S. Zoras, V. Evagelopoulos, I. Pytharoulis, A. G. Triantafyllou, I. Skordas and G. Kallos (2010). Development and validation of a novel-based combination operational air quality forecasting system in Greece. *Meteorology and Atmospheric Physics*, 106(3–4), 127–133. <https://doi.org/10.1007/s00703-010-0058-z>
- A14. Sfikas, A., Angelidis, P., Samaras, P., Zoras, S., & Evagelopoulos, V. (2013). Utilization of a multi-parameter sensor network for online monitoring of the water quality in the lignite mining area of Kozani, Greece. *Desalination and Water Treatment*, 51(13–15), 2977–2986. <https://doi.org/10.1080/19443994.2012.748446>
- A13. Zoras, S., Kosmopoulos, P., Georgiadou, D., & Evagelopoulos, V. (2009). Application of the three-dimensional numerical generation of response factors (NGRF) method of multi-year based conductive temperatures in soil and passive cooling earth-contact components. *IBPSA 2009 - International Building Performance Simulation Association 2009*, pp. 1588-1595.
- A12. Zoras, S., Triantafyllou, A. G., & Evagelopoulos, V. (2008b). Aspects of year-long differential optical absorption spectroscopy and ground station measurements in an urban street canyon near industrial pollution sources. *Atmospheric Environment*, 42(18), 4293–4303. <https://doi.org/10.1016/j.atmosenv.2008.01.011>
- A11. TRIANTAFYLLOU, A. G., ZORAS, S., EVAGELOPOULOS, V., GARAS, S., & DIAMANTOPOULOS, C. (2013). DOAS measurements above an urban street canyon in a medium sized city. *Global NEST Journal*, 10(2), 161–168. <https://doi.org/10.30955/gnj.000498>
- A10. Triantafyllou, A. G., Zoras, S., Evagelopoulos, V., & Garas, S. (2008). PM<sub>10</sub>, O<sub>3</sub>, CO Concentrations and Elemental Analysis of Airborne Particles in a School Building. *Water, Air, & Soil Pollution: Focus*, 8(1), 77–87. <https://doi.org/10.1007/s11267-007-9132-z>
- A9. Iordanidis, A., Zoras, S., Triantafyllou, A., Buckman, J., Asvesta, A., & Evagelopoulos, V. (2008). Characterisation of airborne particles collected proximal to lignite mines and power plants of Ptolemais-Kozani area, northern Greece. *Fresenius Environmental Bulletin*, 17(3), 378–398.
- A8. Sichletidis, L., Chloros, D., Triantafyllou, A., Evagelopoulos, V., Tsiotsios, A., Spyratos, D., Konstantinidis, T., Pechlivanidis, T., & Patakas, A. (2007). Diachronic study of the influence of environmental improvement on children's respiratory health in Ptolemaida, Greece: 461. *Allergy: European Journal of Allergy and Clinical Immunology*, 62, 171–172.
- A7. Triantafyllou, A. G., Garas, S., Zoras, S., Evagelopoulos, V., & Asvesta, A. (2007). Particulate matter concentrations and elemental analysis in four cities of northwestern Greece. *Fresenius Environmental Bulletin*, 16(5), 508–516.
- A6. Papadimitriou, C., Evagelopoulos, V., Samaras, P., Triantafyllou, A., Zoras, S., & Albanis, T. (2006b). Toxicity Of Atmospheric Particulate Matter Using Aquatic Bioassays. *WIT Transactions on Biomedicine and Health*, 10.
- A5. Zoras, S., Triantafyllou, A. G., & Evagelopoulos, V. (2006). Modelling of PM<sub>2.5</sub> episodes in four cities of northwestern Greece. *Fresenius Environmental Bulletin*, 15(4), 306–313.
- A4. Evagelopoulos, V., Zoras, S., Triantafyllou, A., & Albanis, T. (2006). PM<sub>10</sub>-PM<sub>2.5</sub> time series and fractal analysis. *Global NEST Journal*, 6(3), 234–240.
- A3. Triantafyllou, A. G., Evagelopoulos, V., & Zoras, S. (2006). Design of a web-based

- information system for ambient environmental data. *Journal of Environmental Management*, 80(3), 230–236. <https://doi.org/10.1016/j.jenvman.2005.08.028>
- A2. Triantafyllou, A. G., Zoras, S., & Evagelopoulos, V. (2006). Particulate Matter Over A Seven Year Period in Urban and Rural Areas Within, Proximal and Far from Mining and Power Station Operations in Greece. *Environmental Monitoring and Assessment*, 122(1–3), 41–60. <https://doi.org/10.1007/s10661-005-9162-9>
- A1. Triantafyllou, A. G., Kiros, E. S., & Evagelopoulos, V. G. (2002). Respirable Particulate Matter at an Urban and Nearby Industrial Location: Concentrations and Variability and Synoptic Weather Conditions during High Pollution Episodes. *Journal of the Air & Waste Management Association*, 52(3), 287–296. <https://doi.org/10.1080/10473289.2002.10470788>

## B. BOOKS/BOOK CHAPTERS

- B1.** Progress in Air Pollution Research. Chapter contribution titled: Modeling and forecasting around power plants in complex terrain: an integrated web based environmental data acquisition and forecasting system. Editor: Sergio P. Balduino, Nova Science Publications, New York. ISBN:1-60021-804-0
- B2.** Solar Radiation: Protection, Management and Measurement Techniques Chapter contribution titled: Solar Radiation and CFD Photochemical Modeling in the Urban Canopy, Nova Science Publications, New York. ISBN: 978-1-61470-064-7
- B3.** Air Quality in the 21st Century. Chapter contribution titled: Solar Radiation and CFD Photochemical modeling in the urban canopy. Editors: Gaia C. Romano and Alice G. Conti, Nova Science Publications, New York. ISBN: 978-1-61761-390-6
- B4.** Evagelopoulos V., Iordanidis A., Charisiou N.D., Book of abstracts of the 1st Online Conference of Young Scientists – Mineral Resources-Environment-Chemical Engineering, Kozani. ISBN: 978-618-83267-8-1.

## C. PUBLICATIONS IN INTERNATIONAL SCIENTIFIC CONFERENCES WITH PEER REVIEW

- C33. V. Evagelopoulos, N. Charisiou, M. Logothetis, G. Evagelopoulos and C. Logothetis. AirDMS, an efficient web platform for environmental data management and alerting system. Eighth International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2021) and SECOTOX Conference, Thessaloniki, Greece, July 20-24, 2021.
- C32. V. Evagelopoulos, A. Kelessis, P. Kassomenos and A. Domopoulou, Indoor air quality measurements using low-cost sensors. International Symposium on Toxicity Assessment (ISTA2019), August 25-30, 2019, Thessaloniki, Greece.
- C31. Agapi Vasileiadou, S. Zoras, A. Dimoudi, A. Iordanidis, V. Evagelopoulos. THE ENERGETIC POTENTIAL OF DIFFERENT BIO-WASTE SAMPLES COLLECTED FROM AN INTEGRATED WASTE MANAGEMENT PLANT. XIII International Mineral Processing and Recycling Conference, Belgrade, Serbia, 8-10 May 2019
- C30. Agapi Vasileiadou, Stamatios Zoras, Argyro Dimoudi, Andreas Iordanidis and Vasileios Evageopoulos. Co-combustion of Lignite and Solid Wastes from Olive Oil Industry, 15th International Congress of the Geological Society of Greece - GSG2019.
- C29. Vasileiadou, S. Zoras, A. Dimoudi, A. Iordanidis and V. Evagelopoulos, "Compost as an energy source in lignite co-combustion", Seventh International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2019) and SECOTOX Conference, Mykonos Island, Greece, from May 19 to 24, 2019.
- C28. Evagelopoulos V., Kelessis A., Kassomenos P., Sotiropoulos D., Zoras S., Iordanidis A. and Vasileiadou A., "EQUIVALENCE TESTING OF LIGHT-SCATTERING DEVICE FOR MEASUREMENT OF PM10 CONCENTRATION IN WEST MACEDONIA", Seventh International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2019) and SECOTOX Conference, Mykonos Island, Greece, from May 19 to 24, 2019.

- C27. Vasileiadou, S. Zoras, A. Dimoudi, A. Iordanidis, A. Asvesta, V. Evagelopoulos, "Determination of the combustion parameters of municipal solid waste samples and their blends with lignite with the help of Thermogravimetry (TG/DTG).", 8th thermal analysis conference (Therma2018), Athens, Greece, 12-13 October 2018.
- C26. A. Kelessis, V. Kostea, P. Kassomenos, E. Remoundaki E, V. Evagelopoulos and M.J. Petrakakis, Photochemical pollution over a ten year period in the two largest Greek cities., 6th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2017) and to the SECOTOX Conference, Thessaloniki, Greece, June 25- 30, 2017.
- C25. J. Agiannidis, P. Kassomenos, A. Kelessis, A. Paschalidou and V. Evagelopoulos, Forest fire events and air quality load During 2005-2014 in Greece., 6th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2017) and to the SECOTOX Conference, Thessaloniki, Greece, June 25-30, 2017.
- C24. Evagelopoulos V., Kelessis A., Litou F., Kassomenos P., Zoras S., Sotiropoulos D. and Petrakakis M.J. THE LEVELS OF SUSPENDED PARTICLES IN DIFFERENT AREAS OF WESTERN MACEDONIA. 6th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2017) and SECOTOX Conference JUNE 25-30, 2017, Thessaloniki, GREECE.
- C23. S. Zoras, V. Evagelopoulos, D. Sotiropoulos. Development of an improved air pollution forecast system in West Macedonia region. Fifth International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2015) and SECOTOX Conference JUNE 14-18, 2015, MYKONOS ISLAND, GREECE.
- C22. V. Evagelopoulos, E. Papadimitriou, A. Kelessis, S. Zoras, P. Kassomenos, M.J. Petrakakis. Trace elements (heavy metals) in atmospheric particulate matter over a lignite-burning area of western Macedonia, Greece. Fifth International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2015) and SECOTOX Conference JUNE 14-18, 2015, MYKONOS ISLAND, GREECE.
- C21. V. Evagelopoulos, M. Petrakakis, S. Zoras, A. Kelessis, D. Sotiropoulos. Concentrations of suspended particles in polluted areas of Northern Greece. FOURTH INTERNATIONAL CEMEPE & SECOTOX CONFERENCE JUNE 24-28, 2013, MYKONOS ISLAND, GREECE.
- C20. S. Zoras, A. Dimoudi, V. Evagelopoulos, S. Lyssoudis, S. Dimoudi, A.M. Tamiolaki, V. Stathis, Using Computational Fluid Dynamics in the Bioclimatic Design of Open Spaces in Two Greek Cities, International Conference on "Changing Cities" Spatial, morphological, formal & socio-economic dimensions, Skiathos island, Greece, June 18 to 21, 2013.
- C19. V. Evagelopoulos, S. Zoras, E. Kodona, P. Samaras and A. Sfikas. Trace elements in fine and coarse particles. INTERNATIONAL CEMEPE & SECOTOX CONFERENCE JUNE 19-22, 2011, MYKONOS ISLAND, GREECE.
- C18. A. Sfikas, S. Zoras, V. Evagelopoulos, P. Angelidis and P. Samaras. Development of a multi-parameter sensors network for monitoring the water quality of Kozani lignite mines region, Greece. Third International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2011) and SECOTOX Conference JUNE 14-11, 2011, MYKONOS ISLAND, GREECE.
- C17. V. Evagelopoulos, S. Zoras, P. Samaras, A. G. Triantafyllou, T. A. Albanis, P. Kassomenos. Toxicity of fine and coarse atmospheric particles using *Vibrio fischeri*. Second International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2009) and SECOTOX Conference JUNE 21-26, 2009, MYKONOS ISLAND, GREECE.
- C16. V. Evagelopoulos, A. Triantafyllou, TA. Albanis, S. Garas, A. Asvesta, S. Zoras and C. Diamantopoulos, POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) IN FINE AND COARSE PARTICLES, 11th International Conference on the Environmental Science and Technology (CEST2009), 3 - 5 September 2009, Chania, Crete, Greece.
- C15. G. Kapageridis, A. Triantafyllou, V. Evagelopoulos, Prediction of PM10 Concentrations using a Modular Neural Network System and Integration with an Online Air Quality Management System, Geoinformatics for Environment Surveillance, 17-19 June 2009,



- milos island, Greece.
- C14. V. Evagelopoulos, S. Zoras, Ch. Diamantopoulos, S. Garas, A. Triantafyllou. "AN INTEGRATED WED-BASED ENVIRONMENTAL DATA ACQUISITION AND FORECASTING SYSTEM IN WEST MACEDONIA, GREECE". B.EN.A. 6- 9 November 2008, FLORINA GREECE
- C13. V. Evagelopoulos, A.G. Triantafyllou, P.J. Pomonis, El.K. Kodona and A. Iordanidis, 2008. "On the morphological and chemical characteristics of airborne particles in industrial area in Greece", EAC 2008, 24-28 AUGUST 2008 Thessaloniki, Greece.
- C12. Triantafyllou A.G., Zoras S., Evagelopoulos V., Garas S., Diamantopoulos C, 2007, "DOAS MEASUREMENTS ALONG AN URBAN STREET CANYON IN A MEDIUM SIZED CITY", 10th International Conference on the Environmental Science and Technology (CEST2007), 5 - 7 September 2007, Cos Island, Greece
- C11. S. Zoras, A.G. Triantafyllou, V. Evagelopoulos, 2007, "A new web-based air quality forecasting and environmental data acquisition system", HARMO 11 Conference 11th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Cambridge, United Kingdom July 2nd-5th, 2007, proc. Pp.170 – 174
- C10. S. Zoras, A. Merah, L. Aldaoui, S. Papalexioy, A.G. Triantafyllou, V. Evagelopoulos, S. Garas, C. Diamantopoulos, 2007 " Assessing the influence of small phenomena to local/meso-scale simulation results by two-way model coupling I. Fast chemistry module implementation & vertical fluxes calculation II. Mesoscale simulations", HARMO 11 Conference 11th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Cambridge, United Kingdom July 2nd-5th, 2007, Pp.383.
- C9. C. Papadimitriou, V. Evagelopoulos, P. Samaras, A.G. Triantafyllou, S. Zoras and T.A. Albanis, Toxicity of atmospheric particulate matter using aquatic bioassays, First International Conference on Environmental Toxicology, Mykonos, Greece, Presented September 2006, pp 31-39.
- C8. Triantafyllou A.G., Garas S., Evagelopoulos V., Zoras S., Diamandopoulos C., Specific pollutants concentrations and elemental analysis of airborne particles in a school building, Protection and Restoration of the Environment VIII, Chania, Greece, Presented July 2006, pp 521-522.
- C7. Triantafyllou A.G., Garas S., Evagelopoulos V., Zoras S., Diamandopoulos C., Specific pollutants concentrations and elemental analysis of airborne particles in a school building, Protection and Restoration of the Environment VIII, Chania, Greece, Presented July 2006.
- C6. V.G. Evagelopoulos, A.G. Triantafyllou, T.A. Albanis, C. Papadimitriou, P. Samaras and S. Zoras, Atmospheric particulate matter ecotoxicity to aquatic organisms, 6th International Symposium on Advanced Environmental Monitoring Heidelberg, Germany, Presented June 2006.
- C5. S. Zoras, A.G. Triantafyllou, S. Garas, V. Evagelopoulos and C. Diamadopoulos, Air quality measurements and modeling in West Macedonia region, 13th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean. Presented October 2005.
- C4. V. Evagelopoulos, S. Zoras, A.G. Triantafyllou and T.A. Albanis, PM10-PM2.5 Time series and fractal analysis, 9th Conference on Environmental Science and Technology Rhodes Island, Greece (Presented September 2005).
- C3. A.G. Triantafyllou, N. Kiratzis, M. Voutsinas, H.S. Kiros, V. Evagelopoulos, and K. Vatalis, "Analysis of suspended particulate levels in an industrial area of Greece over a multi-year period" International Conference.Lemnos Island 2003, Proceedings pg. 798-805
- C2. A.G. Triantafyllou, V. G. Evagelopoulos, C. Diamandopoulos, K. Vatalis, F. Vosniakos, " Five years PM10 concentrations in urban area in Greece", 5th International Conference of Balkan Environmental Association (B.EN.A.) 7 – 10 November 2002, Belgrade / YUGOSLAVIA
- C1. A. Triantafyllou, J. Zuburtikudis, V. Evagelopoulos, E. Kiros, 2000: «PM10 Concentration in ambient urban air" PROTECTION AND RESTORATION OF THE ENVIRONMENT V, International Conference. Proceedings pg. 983-990.

## **D. PUBLICATIONS IN GREEK SCIENTIFIC CONFERENCES WITH REVIEW**

- D20. Evagelopoulos V., Charisiou N., Zoras S., Stimoniaris A. DETERMINATION OF CONCENTRATIONS OF TRACE ELEMENTS AND HEAVY METALS IN RESPIRABLE PARTICULATE MATTER (PM10 AND PM2.5). Accepted for presentation at the 8th Metrology Congress, 1-2 July 2022.
- D19. Ellina F., Kelessis A., Kassomenos P., Evagelopoulos V., Grammatosis D.. STUDY OF TEMPORAL AND SPATIAL CHANGES OF AIR POLLUTANTS IN THE AREA OF THESSALONIKI USING A GEOGRAPHICAL INFORMATION SYSTEM. 1st Online Conference of Young Scientists, 26-28 February, 2020.
- D18. Dimitriadou I., Evagelopoulos V., Kelessis A., Kassomenos P., Domopoulou A.. MEASUREMENT OF PARTICULATE MATTER LEVELS WITH LOW-COST SENSORS IN WORKPLACES OF THE UNIVERSITY OF WESTERN MACEDONIA. 1st Online Conference of Young Scientists, 26-28 February, 2020.
- D17. A. Vassiliadou, S. Zoras, A. Dimoudi, A. Iordanidis, A. Asvesta, V. Evagelopoulos, "Alternative strategies for the use of existing lignite combustion plants: SWOT analysis of lignite co-combustion technology with waste", 3rd International Scientific Conference: Productive reconstruction of Greece-Alternative strategies, Kozani, Greece, 7-8 December 2018.
- D16. Evagelopoulos V., Litou F., Kelessis A., Kassomenos P., Zoras S., Sotiropoulos D. and Petrakakis M.I. VARIATIONS IN PARTICULATE MATTER CONCENTRATIONS IN AREAS OF WESTERN MACEDONIA. 6th ENVIRONMENTAL CONFERENCE OF MACEDONIA, 5-7 MAY 2017, THESSALONIKI.
- D15. Kelessis A., Litou F., Evagelopoulos V., Kassomenos P., Zoras S., Sotiropoulos D. and Petrakakis M.I. The levels of particulate matter PM10 and PM2.5 in urban and rural areas in the Kozani-Ptolemaida basin. 22nd Panhellenic Congress of Chemistry, 2-4 December 2016, Thessaloniki.
- D14. Papadimitriou E., Evagelopoulos B., Kelessis A., Zoras S., Kassomenos P. and Petrakakis M.I. THE LEVELS OF HEAVY METALS IN INHALABLE PARTICULATE MATTER IN THE KOZANI-PTOLEMAIS BASIN. 12th Greece-Cyprus Chemistry Conference, Thessaloniki, May 8-10, 2015.
- D13. Evagelopoulos V., Diamantopoulos C., Zoras S., Triantafyllou A. and Kassomenos P. "PM10 AND PM2.5 CONCENTRATIONS IN URBAN AND NON-URBAN AREA OF KOZANI-PTOLEMAIDA". 9th International Congress of Meteorology – Climatology and Atmospheric Physics, Thessaloniki, May 2008.
- D12. Zoras S., Evagelopoulos V., Pytharoulis I., Triantafyllou A.G. "DEVELOPMENT, IMPLEMENTATION AND RESULTS OF AN OPERATIONAL AIR QUALITY FORECASTING SYSTEM IN WESTERN MACEDONIA, GREECE". 9th International Congress of Meteorology – Climatology and Atmospheric Physics, Thessaloniki, May 2008.
- D11. Evagelopoulos V., Albanis T., Triantafyllou A., Zoras S. and Garas S. "DEVELOPMENT OF LVI – GC/MS METHOD FOR THE DETERMINATION OF POLYCYCLIC AROMATIC HYDROCARBONS IN PM10 AND PM2.5 SAMPLES". 3rd Environmental Conference of Macedonia, Thessaloniki, March 2008.
- D10. Evagelopoulos V., Triantafyllou A. Diamantopoulos C., Zoras S., and Albanis T.A. "POLYCYCLIC AROMATIC HYDROCARBONS IN PM10 SAMPLES OF URBAN AND NON-URBAN AREAS IN THE KOZANI-PTOLEMAIS BASIN". 3rd Environmental Conference of Macedonia, Thessaloniki, March 2008.
- D9. Zoras S., Evagelopoulos V., Garas S., Papalexiou S. and Triantafyllou A. "APPLICATION OF A FLUID MECHANICS MODEL IN THE SIMULATION OF PHOTOCHEMICAL POLLUTION IN AN URBAN RAVINE". 3rd Environmental Conference of Macedonia, Thessaloniki, March 2008.
- D8. A. G. Triantafyllou, A. G. Paliatsos, A. Antoniou, L. G. Vyras and B. Evagelopoulos, PM10

- CONCENTRATIONS IN VARIOUS REGIONS OF GREECE, 8th Conference of Meteorology, Climatology and Atmospheric Physics (COMECAP), Athens, Presentation May 2006.
- D7. A. G. Triantafyllou, S. Garas, V. Evagelopoulos, S. Zoras, C. Diamantopoulos, Air quality inside school buildings, 11th Panhellenic Environmental Conference, Larissa, Presentation March 2006.
- D6. S. Garas, A.G. Triantafyllou, V. Evagelopoulos, S. Zoras, C. Diamantopoulos, K. Samara, Measurement of suspended particulate matter and determination of adsorbed polyaromatic hydrocarbons in urban areas of Western Macedonia, 2nd Environmental Conference of Macedonia, Thessaloniki, Presentation October 2005.
- D5. V. Evagelopoulos, A.G. Triantafyllou, S. Zoras, C. Diamantopoulos, Measurements using differential absorption spectroscopy (DOAS) in the city of Kozani, 20th Panhellenic Congress of Chemistry, Ioannina, Presentation September 2005.
- D4. V. Evagelopoulos, S. Zoras, S. Garas, C. Diamantopoulos, A. G. Triantafyllou, Air quality measurements in Western Macedonia, 6th Panhellenic Conference on the Environment, Integrated Development & Environment, Thessaloniki, Presentation December 2004.
- D3. S. Garas, V. Evagelopoulos, S. Zoras, C. Diamantopoulos, K. Samara, A. G. Triantafyllou, Study of chemical composition of particulate matter in Western Macedonia, 6th Panhellenic Conference on the Environment, Integrated Development & Environment, Thessaloniki, Presentation December 2004.
- D2. A. G. Triantafyllou, V. Evagelopoulos, H. S. Kyros, C. Diamantopoulos, DESIGN OF A DYNAMIC INTERNET INFORMATION SYSTEM FOR AIR QUALITY IN WESTERN MACEDONIA, 7th International Conference METEOROLOGY - CLIMATOLOGY - ATMOSPHERIC PHYSICS, Cyprus. Presentation September 2004.
- D1. Triantafyllou A.G., Kyros I., Evagelopoulos V., Asvesta A., Diamantopoulos C., "Spatiotemporal analysis of particulate pollution in western Macedonia" 10th G.S.G Congress Thessaloniki 2004, Proceedings pg. 277-278

## **E. TECHNICAL REPORTS**

- E1. Assessment of air quality in the settlement of AKRINIS of the Municipality of Hellespont – Prefecture of Kozani, PPC Funding Body, KTE Implementing Body, 2007.
- E2. *Particulate Pollution in the Kozani-Ptolemaida Basin, Assessment-Evolution over Time*, PPC Funding Body, KTE Implementing Body, Kozani 2005.
- E3. Pilot Ambient Management System of the Region of Western Macedonia, Funding Body ROP 2000-2006, Implementing Body of KTE, Kozani 2004.
- E4. Contribution to the investigation of the Environmental impact of the fire in Agios Demetriou TPP on 25/9/2001. Funding Body Prefecture of Kozani, Implementing Body of KTE, Kozani 2005.
- E5. Short-term action plans to tackle air pollution in the Region of Western Macedonia. June 2016, Region of Western Macedonia

## **F. DIPLOMA THESES / SPECIALIZATION DISSERTATIONS**

- F1. Evagelopoulos V., 2008. Contribution to the investigation of air pollution in urban and industrial areas with chemical and computational methods. PhD thesis, University of Ioannina.
- F2. Evagelopoulos V., 2005. « Air pollution in urban and industrial areas. The case of Kozani. Postgraduate Thesis, University of Ioannina.

## G. SCIENTIFIC RECOGNITION

- Guest editor of the special issue "Climate Change and Outdoor-Indoor Air Pollution in Urban Environments" in Climate magazine. [https://www.mdpi.com/journal/climate/special\\_issues/outdoor\\_indoor](https://www.mdpi.com/journal/climate/special_issues/outdoor_indoor).
- President organizing committee of the 1st online Conference of Young Scientists on "Mineral Resources – Environment – Chemical Engineering" ([www.chemop.gr](http://www.chemop.gr)).
- Deputy Director of the Interinstitutional Postgraduate Program 'Food Quality Control. Department: Chemical Engineering.
- Member of the Special Interinstitutional Committee of the International Interinstitutional Postgraduate Program entitled "Quality Control of Food", organized by the Department of Chemical Engineering of the Polytechnic School of the University of Western Macedonia,
- Member of the Special Interdepartmental Committee of the Interdepartmental Postgraduate Program entitled "Energy Investments and Environment" (EN. I.EN.).
- Member of the working group of the Region of Western Macedonia for the preparation of air quality plans and short-term action plans.
- Reviewer of papers in more than 8 international scientific journals, such as: Environmental Processes, Data in Brief, Air Quality, Atmosphere and Health, Journal of Environmental Monitoring, Environmental Monitoring and Assessment, Climatic Adaptation of Building Energy Performance, Energy and Buildings.

## H. EXPERIMENTAL TECHNIQUES & THEORETICAL METHODS

- Atomic absorption.
- X-ray fluorescence (XRF).
- Gas chromatography, mass spectroscopy (GC/GCMS).
- Liquid chromatography (HPLC).
- Differential Optical Adsorption Spectrometer (DOAS).
- Granulometry (CILAS).
- Measurement of VOCs with TD-GC/MS.
- Particulate pollution measurement (Low volume samplers, b-adsorption, Dichotomus, and Hi-Volume samplers).
- Detection of asbestos fibres in the atmosphere.
- O<sub>3</sub>, SO<sub>2</sub>, CO and NO<sub>x</sub> measurement analyzers using the standard method.
- Indoor air quality measurement with smart sensors and IoT applications.
- Measurement: Dispersion and physicochemical processes of chemical and/or toxic substances in the atmosphere and Geographical imaging.
- Development of software for the presentation of air pollution data using JAVA, PHP, HTML, python and Javacript.

## I. RESEARCH PROGRAMMES

**Dr Vasilios Evagelopoulos** has participated as **scientific coordinator in 7** research projects and in **14** as a researcher at the University of Western Macedonia, the Democritus University of Thrace, the TEI of Western Macedonia and the Environmental Center of the Region of Western Macedonia, as follows:

1. Project collaborator at the TEI of DM: "Chemical composition study of suspended particles for the determination of the percentage of their emission sources in the atmosphere of the Eordaia basin", 1/10/2000-11/2/2002.

2. Project collaborator at the Technological Educational Institute of Athens: "Contribution to the investigation of the Environmental Impact of the fire in Agios Demetriou TPP on 25/9/2001", 12/2/2002 – 12/4/2002.
3. Project partner at the TEI of DM: "Pilot Ambient Management System of the Region of Western Greece. Macedonia", 5/9/2002 – 31/7/2004.
4. Project collaborator of TEI DM: "Study of Particulate Pollution Characteristics in Urban Areas Near Lignite Mines and Power Plants – Investigation of Toxicity and its Effects on the Health of Residents", 1/8/2004 – 31/12/2007.
5. Project collaborator at TEI DM: "Study of adsorption of toxic substances in particulate matter in urban and areas near lignite mines and power plants", 1/1/2005 – 31/12/2007.
6. Project partner at the TEI of DM: "Particulate pollution in the Kozani-Ptolemaida basin. Valuation – Evolution over time", 8/2004 – 12/2005.
7. Project collaborator at the TEI of DM: "Software Development (simulation of air pollution, complex chemical processes, processing and management of environmental information in real time", 21/7/2006 – 10/9/2006.
8. Project collaborator at TEI DM: "Assessment of air quality in the Settlement of Akrini of the Municipality of Hellespont – Prefecture of Kozani", 9/2006 – 12/2007.
9. Project collaborator at the TEI of DM: "Development, implementation, maintenance of Environmental Software", 1/1/2006 – 31/12/2007.
10. Project collaborator at the TEI of DM: "Development and implementation of an operational model for air pollution forecasting and actions to address it in the area of Kozani – Ptolemaida", 1/11/2007 – 31/5/2008.
11. Project partner at TEI DM: "Installation of air pollution measurement station, monitoring, parameterization, calibration and evaluation. Transmission of air pollution data on KEPE website. Costing and specifications for upgrading YPEHODE stations", 21/7/2008 – 20/10/2008.
12. Project partner of the Environmental Center of the Region of Western Macedonia "Organization of a central air quality management system in the wider area of Kozani – Ptolemaida" 20/03/2009-14/10/2011.
13. Project partner of the Environmental Center of the Region of Western Macedonia "Coverage of atmospheric network needs", 14/3/2011-20/4/2016.
14. Scientific Project Manager of ELKE TEI DM: "Supervision of Air Pollution Control Systems supervised by KEPE" 18/10/2016-31/5/2017.
15. Scientific Project Manager of ELKE TEI DM: "Study of Proof of Equivalence of Grimm analyzers and supervision of air pollution control systems of the Environmental Center", 1/6/2017-31/12/2018.
16. Scientific Project Manager of ELKE FYROM: "Covering the needs of the operation of the air network" 19/06/2019-31/03/2020.
17. Scientific Project Manager of ELKE FYROM: "Supervision of air pollution control systems of KEPE and asbestos analysis in air samples of former MABE in the area of Zidani P.E. Kozani", 17/09/2020-20/10/2021.
18. Scientific Project Manager of ELKE UOM: "Measurement of air quality in the interior of buildings of the University of Western Macedonia" 20/04/2019-31/03/2021.
19. Scientific Project Manager of ELKE U.D.M.: "ACTIONS TO IMPROVE AIR QUALITY IN THE REGION OF WESTERN MACEDONIA" 10/03/2021-31/12/2023.

20. Scientific Project Manager of ELKE UOM: "Supervision of air pollution control systems of KEPE and asbestos analysis in air samples of former MABE in the area of Zidani P.E. Kozani" 22/12/2021-22/12/2022.
21. Project partner of ELKE FYROM: "Development of New Innovative Low Carbon Footprint Energy Technologies for the Enhancement of Excellence in the Region of Western Macedonia - DIRECT LABOUR SUBPROJECT 01\_FYROM - MIS 5047197". 1/9/2021-19/11/2022.

## K. EDUCATIONAL WORK

### A. TEACHING IN POSTGRADUATE PROGRAMS OF STUDY

**Dr. Vasilios Evagelopoulos** has taught a total of 9 different courses in postgraduate programs, as follows:

1. Democritus University of Thrace, Department of Environmental Engineering, MSc in Environmental Engineering  
Course: Bioclimatic design – simulations of outdoor urban spaces (3 hours / week)  
Course: Simulation models of buildings and settlements (3 hours/week)  
Spring semester 2016-2017.
2. TEI of Western Macedonia, Department of Environmental Engineering, Interinstitutional-Interdepartmental Postgraduate Program in Education Management  
Course Basic principles of statistics - Statistical applications with SPSS (33 hours / semester).  
Spring semester 2017-2018.
3. TEI of Western Macedonia, Department of Environmental Engineering, Interinstitutional-Interdepartmental Postgraduate Program in Education Management  
Course Basic principles of statistics - Statistical applications with SPSS (33 hours / semester).  
Spring semester 2018-2019.
4. TEI of Western Macedonia, Department of Environmental Engineering, Interinstitutional-Interdepartmental Postgraduate Program in Education Management  
Course Basic principles of statistics - Statistical applications e SPSS (27 hours / semester).  
Spring semester 2018-2019.
5. TEI of Western Macedonia, Department of Environmental Engineering, Postgraduate Program of Studies in Business Administration,  
Course: Applied business statistics (33 hours/semester). Fall semester 2018-2019.
6. TEI of Western Macedonia, Department of Environmental Engineering, Interinstitutional-Interdepartmental Postgraduate Program in Education Management  
Course Basic principles of statistics - Statistical applications ε SPSS (18 hours / semester).  
Spring semester 2019-2020.
7. University of Western Macedonia, Department of Chemical Engineering, Interdepartmental Postgraduate Program "Energy Investments and Environment" (EN. I.EN.).  
Course: Risk Management – Natural Disaster Response (3 hours / semester)  
Course: Environmental Impact Assessment-Risk Management (3 hours/semester)  
Course: Use of new technologies in the exploitation of renewable energy sources (6 hours / semester)  
Course: Environmental Economics (3 hours/semester)  
Spring semester 2020-2021.
8. University of Western Macedonia, Department of Chemical Engineering, Interdepartmental Postgraduate Program "Energy Investments and Environment" (EN. I.EN.).

Course: Risk Management – Natural Disaster Response (3 hours / semester)  
Course: Quantitative methods in energy (9 hours/semester)  
Course: Environmental Economics (3 hours/semester)  
Spring semester 2021-2022.

## B. TEACHING OF UNDERGRADUATE COURSES

**Dr. Vasilios Evagelopoulos** has taught independently 18 undergraduate courses in higher education, as follows:

- Materials Physics (2hours/week), winter semester 1998-1999, TEI West. Macedonia.
- Materials Physics (2 hours/week), spring semester 1998-1999, TEI West. Macedonia.
- Physics, winter semester 2004-2005 (2hours/week), TEI West. Macedonia
- Physics, spring semester 2004-2005 (2 hours/week), TEI West. Macedonia
- Environmental Systems, winter semester 2007-2008 (4hours/week), TEI West. Macedonia
- Environmental Systems, spring semester 2007-2008 (4 hours/week), TEI West. Macedonia
- Environmental Systems, winter semester 2008-2009 (4hours/week), TEI West. Macedonia
- Environmental Systems, spring semester 2008-2009 (4hours/week), TEI West. Macedonia
- Environmental impact assessments, winter semester 2010-2011 (3 hours/week), TEI West. Macedonia
- Environmental Engineering, spring semester 2018-2019 (4hours/week), TEI West. Macedonia
- Energy Sources, winter 2018-2019 (5hours/week), TEI West. Macedonia
- PC, winter semester 2016-2017, 2017-2018, 2018-2019 (3hours/week), TEI West. Macedonia
- Computers, spring semester 2016-2017, 2017-2018, 2018-2019 (4hours/week), TEI West. Macedonia
- Organization & management of production units, winter semester 2016-2017, 2017-2018, 2018-2019 (2 hours/week), TEI West. Macedonia
- Thermodynamics, spring semester 2017-2018 (4hours/week), TEI West. Macedonia
- Transfer phenomena, winter semester 2017-2018 (4 hours/week), TEI West. Macedonia
- Environmental models of pollutant transport, winter semester 2019- today (5 hours/week), University of Western Greece. Macedonia
- Remote sensing, spring semester 2019- today (5 hours/week), University of Western Greece. Macedonia
- Modern systems monitoring technologies, spring semester 2019- today (5 hours/week), University of Western Greece. Macedonia
- Environmental Physics, winter semester 2019- today (5 hours/week), University of Western Greece. Macedonia
- Introduction to PCs, winter semester 2019- today (5 hours/week), University of Western Greece. Macedonia
- Physics I, winter semester 2021- today (5 hours/week), University of Western Greece. Macedonia

### Teaching assistant:

Dr. Vassilios Evagelopoulos has taught from 1996 to 2010 at the TEI of Western Macedonia (with successive contracts) and at the Democritus University of Thrace (one semester) with co-teaching a large number of courses. At the same time, he supervised a large number of dissertations on air pollution.

Teaching contracts in tertiary institutions:

Adjunct Professor of Applications, TEI West. Macedonia, General Department, September 1995-July 1996.

Adjunct Professor of Applications, TEI West. Macedonia, General Department, September 1996-July 1997.

Adjunct Professor of Applications, TEI West. Macedonia, General Department, September 1997-July 1998.

Adjunct Professor of Applications, TEI West. Macedonia, General Department, September 1998-July 1999.

Adjunct Professor of Applications, TEI West. Macedonia, General Department, September 1999-July 2000.

Adjunct Professor of Applications, TEI West. Macedonia, General Department, September 2000-July 2001.

Adjunct Professor of Applications, TEI West. Macedonia, General Department, September 2001-July 2002.

Laboratory Associate, TEI West. Macedonia, Department of Antipollution Technologies and Department of Geotechnology and Environment, October 2002-July 2003.

9. Laboratory Associate, TEI West. Macedonia, Department of Antipollution Technologies and Department of Geotechnology and Environment, October 2003-July 2004.

10. Laboratory Associate, TEI West. Macedonia, Department of Antipollution Technologies and Department of Geotechnology and Environment, October 2004-July 2005.

11. Laboratory Collaborator, TEI West. Macedonia, Department of Antipollution Technologies and Department of Geotechnology and Environment, October 2005-July 2006.

12. Laboratory Collaborator, TEI West. Macedonia, Department of Antipollution Technologies and Department of Geotechnology and Environment, October 2006- July 2007.

13. Laboratory Associate, TEI West. Macedonia, Department of Antipollution Technologies and Department of Geotechnology and Environment, October 2007- July 2008.

14. Research Associate, Democritus University of Thrace, Department of Environmental Engineering, October 2010- February 2011.

The total academic experience of **Dr. Vasilios Evagelopoulos** in higher education amounts to approximately **17 years** (reduced to full-time).

### C. SUPERVISION OF DIPLOMA THESIS

Supervision of diploma thesis of TEI students:

- 1) Student: Alexopoulos Dimitrios (AEM TA02115)  
Title: Low Cost Applications for the Measurement of Environmental Parameters.
- 2) Student: Vafiadou Thessaly-Myrto (AEM TA02472)  
Title: Smart cities, technologies and applications.
- 3) Student: Giannota Aikaterini (AEM TA02302)  
Title: Air quality inside buildings. Its recording in a building of the TEI of Western Macedonia.
- 4) Student: Dimitriadou Elissavet (AEM TA01628)  
Title: Variation of pollutants in the atmosphere of Thessaloniki over time.
- 5) Student: Koutsomouras Nektarios (AEM TA01754)  
Title: Low Cost Applications for the Measurement of Environmental Parameters.
- 6) Students: Kyteas Nikolaos (AEM TA02064) & Magrizos Isaac (AEM TA02018)  
Title: Study of the quality of the atmospheric environment in the Settlement of Petrana in the Municipality of Kozani.



- 7) Students: Eleni Maskalidou (AEM TA02015) & Dimitra Economou (AEM TA02001)  
Title: Statistical analysis of air pollution data in the regional unit of Florina.
- 8) Student: Poptsi Olga (AEM TA02638)  
Title: The impact of the Covid-19 pandemic on air pollution in Western Macedonia.
- 9) Student: Tozo Veip (AEM TA02125)  
Title: Air pollution of small towns in Western Macedonia – The case of Florina.
- 10) Students: Papadopoulos Stefanos (AEM TA02359) & Hatzopoulos Georgios (AEM TA02410)  
Title: The sources of air pollution in urban centers and techniques for dealing with it.
- 11) Students: Karapataki Konstantina (TA00702) & Kakouri Theodora (TA01222)  
Title: Institutional framework for water resources management and drinking water treatment processes.
- 12) Students: Nikolaos Giannakopoulos (TA00787) & George Pappas (TA00835)  
Title: Wind measurement using Radar Sodar.
- 13) Student: Paschenti Sofia-Eleni (TA00810)  
Title: Marine pollution – The case of the Gulf of Corinth.
- 14) Student: Manolopoulou Ifigenia (TA02623)  
Title: Study of technologies and applications for smart cities.

Supervision of diploma thesis of students of Antipollution Engineering as a member of the three-member committee:

- 1) Student: Zaragkas Athanasios (AEM TA02650)  
Τίτλος: Atmospheric pollution from diesel vehicles.
- 2) Student: Agathangelidis Konstantinos (AEM TA00890)  
Title: Bioremediation of soils.
- 3) Student: Karaveti Sultana (AEM TA02800)  
Title: Investigation of the views and attitudes of Greek society towards environmental and energy issues.
- 4) Student: Karagiannis Athanasios (AEM TA02077)  
Title: Use of clean technologies in European industries.
- 5) Student: Triantafyllou Dimitra (AEM TA03024)  
Title: Methanization of carbon dioxide using Ni catalysts supported in Pr-modified CeO<sub>2</sub>: Effect of the synthesis method.
- 6) Student: Prekas Athanasios (AEM TA02601)  
Title: Water quality of springs in the Grevena massif.

Supervision of diploma theses of students of Chemical Engineering:

- 1) Student: Karalazou Efmorfili (AEM20)  
Title: Internet of Things applications in indoor air quality measurement.

Supervision of diploma theses of Chemical Engineering students as a member of the three-member committee:

- 1) Student: Parnavellis Ioannis (AEM36)  
Title: Health and safety in the hydrocarbon industries. The case of coronavirus as a case study.
- 2) Student: Nastouli Olga (AEM29)  
Title: Environmental advantages - disadvantages of using natural gas - comparison with other fuels (case study liquefied natural gas).
- 3) Student: Orphanidis Ioannis (AEM31)  
Title: Energy Policy and Environment in Greece.
- 4) Student: Nikolaos Koutranis (AEM23)  
Title: Simulation of advanced oxidation processes using artificial intelligence.

- 5) Student: Touloumenidis Zacharias (AEM47)  
Title: Air pollution: The case of the Republic of Cyprus.
- 6) Student: Papageorgiou Georgios-Panagiotis (AEM34)  
Title: Resilience of water supply networks in medium-sized settlements.
- 7) Student: Grammatikogianni Konstantina (AEM69)  
Title: The impact of extraordinary phenomena on water resources – effects of earthquakes.
- 8) Student: Despotaki Eleni (AEM70)  
Title: The effects of climate change on island regions-The case of Crete.
- 9) Student: Katogiannis Ilias (AEM22)  
Title: Adaptation to Climate Change at European and National level – National and regional plans.

## L. ADMINISTRATIVE WORK

During the tenure of the TEI West. Macedonia and the University of Western Macedonia, **Dr. V. Evagelopoulos** has conducted various administrative work in structures and committees of the institution. His managerial experience includes:

1. Deputy Director and member of the Special Interinstitutional Committee of the International Interinstitutional Postgraduate Program entitled "Food Quality Control", organized by the Department of Chemical Engineering of the University of Macedonia.
2. Member of the Special Interdepartmental Committee of the Interdepartmental Postgraduate Program entitled "Energy Investments and Environment" (EN. I.EN.), organized by the Department of Chemical Engineering of the University of Macedonia.
3. Member of the three-member committee for the conduct of electronic competitions (regular and international) for the period 1-1-17 until 31-12-2021 (from 1-1-20 to 31-12-21 chairman of the committee).
4. Member of the audit committees for compliance with the terms of the contract for the "feeding of the students of the TEI of Western Greece". Macedonia to Kozani for the period from 01-01-2019 to 31-12-2021.
5. Member of many application evaluation committees of various notices of the Department of Chemical Engineering and the ELKE of the University of Macedonia.

## M. OTHER PROFESSIONAL EXPERIENCE

### PROJECTS/PROGRAMMES

1. Project partner of ELKE DM: "Modification – updating of the website of GEOPE on the internet", 1/10/2002 – 30/6/2003.
2. Scientific Project Manager of ELKE UOM: "1st online Conference of Young Scientists on "Mineral Resources – Environment – Chemical Engineering", 01/12/2020-01/07/2021.
3. Deputy Scientific Project Manager of ELKE UOM: "Interinstitutional Postgraduate Program 'Food Quality Control 2020 - 2021', SCIENTIFIC COORDINATOR: MITLIAGA FRIDAY, 19/10/2020-20/10/2022.