



Anthoula Manali

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WORK EXPERIENCE

Environmental researcher in the European Research LIFE Programme: "New concept for energy self-sustainable wastewater treatment process and biosolids management (LIFE B2E4 SUSTAINABLE-WWTP)".

Prof. Petros Gikas, School of Chemical and Environmental Engineering, TUC [09/2017 – Current]

- www.biosolids2energy.eu

Teaching and laboratory assistant in the course: "Design of Environmental Plants and Environmental Impact Assessment I" (academic scholarship).

Prof. Petros Gikas, School of Chemical and Environmental Engineering, TUC [03/2019 – 05/2019]

Teaching and laboratory assistant in the course: "Design of Environmental Plants and Environmental Impact Assessment II" (academic scholarship).

Prof. Petros Gikas, School of Chemical and Environmental Engineering, TUC [12/2017 – 02/2018]

Environmental researcher in European Research Projects

Prof. Nicolas Kalogerakis, School of Chemical and Environmental Engineering, TUC [11/2015 – 06/2017]

- "Development and application of integrated technological and management solutions for wastewater treatment and efficient reuse in agriculture tailored to the needs of Mediterranean African Countries, MADFORWATER"
- "Integrated Biotechnological Solutions for Combating Marine Oil Spills, KILLSPILL"
- "Industrial Applications of Marine Enzymes, INMARE"

EDUCATION AND TRAINING

PhD Candidate in Environmental Engineering

School of Chemical and Environmental Engineering, Technical University of Crete [09/2017 – Current]

Level in EQF: EQF level 8

- Thesis subject: "Valorization of biosolids for the production of electric energy by the microsieving-gasification methods"
- Supervisor: Prof. Petros Gikas

Master of Science in Environmental Engineering

School of Chemical and Environmental Engineering, Technical University of Crete [10/2015 – 06/2017]

Level in EQF: EQF level 7

- Thesis subject: "Municipal wastewater treatment in constructed wetlands planted with *Juncus acutus*"
- Supervisor: Prof. Nicolas Kalogerakis

Bachelor's Degree (4 years degree) in Chemistry

Department of Chemistry, National and Kapodistrian University of Athens [09/2011 – 07/2015]

Final grade : 7.32 – Level in EQF: EQF level 6

- Thesis subject: "Heavy metals intake from *Helianthus* cultivated with polluted water"
- Supervisor: Prof. Ioannis Zabetakis

Certificate in Oenological Education

National and Kapodistrian University of Athens [09/2011 – 07/2015]

Level in EQF: EQF level 6

General High School Diploma

Private High School N. Maliaras, Athens [09/1999 – 06/2011]

Final grade : 19.1 – Level in EQF: EQF level 4

LANGUAGE SKILLS

Mother tongue(s):

Greek

Other language(s):

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

French

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

CONFERENCES-SCIENTIFIC EVENTS

Participations in conferences-events

- 6th distance education e-learning International Summer School on "Wastewater and Biosolids Management" (WWSS21), Patras, Greece, July 2021.
"Energy requirements by municipal wastewater treatment plants of Greece", A. Siatou, [A. Manali](#), P. Gikas.
- 8th International Conference on Sustainable Solid Waste Management, Thessaloniki, Greece, June 2021.
"Environmental Impact Assessment for an integrated microsieving-drying-gasification pilot plant for biosolids to electric energy in Rethymno, Greece ", [A. Manali](#), N. Mavrakis, P. Gikas.
- 6th International Symposium on Green Chemistry, Development and Circular Economy, Thessaloniki, Greece, September 2020.
"Environmental Impact Assessment for a biosolids gasification pilot plant in Rethymno, Greece", [A. Manali](#), N. Mavrakis, P. Gikas.
- Wastewater Treatment Platform meeting "Making Water Fit for LIFE", Barcelona, Spain, January 2020.
"New concept for energy self-sustainable wastewater treatment process and biosolids management", [A. Manali](#), P. Gikas.
- 17th International Waste Management and Landfill Symposium, Sardinia, Italy, October 2019.
"Utilization of primary sieved solids for gasification and energy production", [A. Manali](#), P. Gikas.
- 5th distance education e-learning International Summer School and Workshop on "Wastewater and Biosolids Management" (WWSS19), Patras, Greece, July 2019.
"Thermal and electric energy production using primary sieved solids from municipal wastewater, as gasification feedstock", [A. Manali](#), P. Gikas.
- 7th International Conference on Sustainable Solid Waste Management, Heraklion, June 2019.
"Removal of ammoniacal nitrogen from landfill leachate by adsorption on activated zeolite", P. Moraiti, [A. Manali](#), P. Gikas.
- The implementation of circular economy to agriculture and livestock farming, Thessaloniki, January 2019.
"Wastewater management in light of the circular economy principles", [A. Manali](#), P. Gikas.
- 1st and 2nd PhD Candidates Conference, School of Environmental Engineering, Chania, December 2018.
"Valorization of biosolids for the production of electric energy by the microsieving-gasification methods", [A. Manali](#), P. Gikas.
- 5th International Conference on Small and Decentralized Water and Wastewater Treatment Plants (SWAT), Thessaloniki, August 2018.
"Mass and energy balances for gasification of primary sieved solids", [A. Manali](#), P. Gikas.
- 6th International Conference on Recycling and Waste Management, Dubai, UAE, December 2018.
"Electric energy production from primary sieved solids through gasification", [A. Manali](#), P. Gikas.

SCIENTIFIC PUBLICATIONS

Publications in Scientific Journals

- Siatou, A.; [Manali, A.](#); Gikas, P. Energy Consumption and Internal Distribution in Activated Sludge Wastewater Treatment Plants of Greece. *Water* **2020**, *12*, 1204.
- Lara, A.; Fernández, D.; Tsamoutsoglou, K.; [Manali, A.](#); Gikas, P. Life cycle assessment for municipal wastewater treatment: Baseline and prediction of the environmental impact of an integrated microsieving-gasification system. (*under construction*)
- [Manali, A.](#); Gikas, P. The state of the art in biosolids gasification. (*under construction*)