



ΠΑΝΕΠΙΣΤΗΜΙΟ
ΠΑΤΡΩΝ
UNIVERSITY OF PATRAS

Curriculum Vitae

ATHANASIA G. TEKERLEKOPOULOU

**Assistant Professor
Department of Environmental Engineering
University of Patras**

[March 2021]

1. Personal information

Surname : Tekerlekopoulou
First Name : Athanasia
Father's Name : George
Date of Birth : 20/03/1975
Place of Birth : Xanthi
Marital Status : Married, three children
Office Address : Department of Environmental Engineering, University of Patras, Seferi 2, 30100 Agrinio
Telephones : Work: 26410-74204
E-mail : atekerle@upatras.gr

2. EDUCATION

1989 2^o HIGH SCHOOL OF XANTHI

1986-1989.

Grade: «Excellent», (19/20).

1992 2^o LYCEUM OF XANTHI

1989-1992.

Grade: «Excellent», (19^{1/10}).

1997 ARISTOTLE UNIVERSITY OF THESSALONIKI (AUTH)

1992-1997.

Diploma in Chemical Engineering, Polytechnic School - Department of Chemical Engineering

Diploma Grade: 8.26/10.00

Thesis Title: "Qualitative and quantitative determination of isoexyl-naphazarines"

Thesis Advisor: Prof. V. P. Papageorgiou

2006 UNIVERSITY OF IOANNINA, DEPARTMENT OF ENVIRONMENTAL AND NATURAL RESOURCES MANAGEMENT

2002-2006.

Doctorate

Grade: «Excellent».

Thesis Title: “(The) Study of biological removal mechanisms of pollutants from potable water using trickling filters”.

Thesis Advisor: Prof. D.V. Vayenas

2007

**UNIVERSITY OF IOANNINA, DEPARTMENT OF ENVIRONMENTAL AND
NATURAL RESOURCES MANAGEMENT**

2007-2009.

Post Doctoral Research.

Thesis Title: “Spin-off preparation for the commercial exploitation of a biological filter for potable water treatment” (2007-2009)

Thesis Advisor: Prof. D.V. Vayenas

3. POSITIONS-WORK EXPERIENCE

- January 2016 -
Until now** Assistant Professor
Department of Environmental Engineering, University of Patras
(Department of Environmental and Natural Resources Management, it changed name in Environmental Engineering in May 2019, ΦΕΚ 70/7-5-2019 τ.Α') (1254/9-12-2015 τ.Γ', 31/21-1-2020 τ.Γ')
Courses: Chemical Processes, Fluid Mechanics–Hydraulics, Fluid Mechanics, Hazardous Waste Treatment, Solid waste management, Wastewater management
- January 2014 -
December 2015** Lecturer
Department of Environmental and Natural Resources Management, University of Patras (1496/23-12-2013 τ.Γ')
Courses: Chemical and Biochemical Processes, Fluid Mechanics, Fluid Mechanics –Hydraulics, Hazardous Waste Treatment, Solid waste management, Wastewater management
- November 2009 -
December 2013** Adjunct Lecturer, Department of Environmental and Natural Resources Management, University of Western Greece
Courses: Hazardous Waste Treatment (Independent Teaching of Undergraduate Courses), Waste management planning (Independent Teaching of Undergraduate Courses), Chemical and Biochemical Processes (Independent Teaching of Undergraduate Courses), Fluid Mechanics (Independent Teaching of Undergraduate Courses), Materials engineering (Independent Teaching of Undergraduate Courses), Programming I-FORTRAN (Teaching of Tutorial Undergraduate Courses), Mathematics II (Teaching of Tutorial Undergraduate Courses).
- March 2009 -
August 2009** Adjunct Lecturer, Department of Environmental and Natural Resources Management, University of Western Greece

Courses: Programming II - Applied Numerical Analysis (Teaching of Tutorial Undergraduate Courses), Mathematics I και II (Teaching of Tutorial Undergraduate Courses).

November 2006 - August 2008 - Secretarial Support of European Program: “Restructuring of the undergraduate course studies of the department of Environmental and Natural Resources Management, University of Ioannina, 2003-2008, EPEAEK II “

December 2006 - November 2008 - Research assistant at European Program: “Development of a sustainable and integrated system for bio-diesel production from energy crops, 2007-2009, INTERREG IIIA GREECE-ITALY 2000-2006

October 2007 - December 2008 - Post-Doc Research assistant at European Program: “Spin-off preparation for the commercial exploitation of a biological filter for potable water treatment”, 2006-2008, General Secretariat of Research and Technology, Greece

January 2002 - March 2006: Postgraduate student - Department of Environmental and Natural Resources Management, University of Ioannina. Scholarship: “Study of the mechanisms of biological removal of pollutants from potable water using trickling filters”, 2002-2005, HERAKLITOS -Operational Program for Education and Initial Vocational Training of the Hellenic Ministry of Education under the 3rd Community Support Framework and the European Social Fund

2000-2001: Person in charge: Quality control department at rice production factory “Agrino, EV.GE. PISTIOLAS, A.E., Agrinio.

1997-1999: Person in charge: Production Department at Macedonian Thrace Brewery S.A, Industrial Area of Komotini, Greece

4. RESEARCH INTEREST

- **Potable water and wastewater treatment:** Treatment technologies of drinking water/toxic wastewater using physicochemical and especially biological processes, aiming to optimize their performance. Treatment plant supervision for biological removal of water pollutants (ammonia, iron, manganese), biological treatment of industrial wastewaters (dairy, olive mill, table olive, winery, piggery, hexavalent chromium, leachate etc.) and process modeling for the rational design of effective and economic systems for drinking water and wastewater treatment. Application of microalgae/cyanobacteria for the treatment of wastewaters and product recovery.

5. PERSONAL SKILLS AND COMPETENCES

1. **Mother tongue:** Greek

Other languages: English

2. **Computer Knowledge:** ECDL

3. **Seminars:**

a) Marathon Data Systems «Introduction in the Geographic Systems Information, ArcGIS (ArcInfo-ArcView-Extensions) », 12-14 April 2006.

b) "Advanced Telematic Services for Education and Research", University of Ioannina
May 31 - June 1, 2007.

c) MACHEREY - NAGEL: «Water Analysis Seminar (Filtration-Testing-Chromatography-Bioanalysis), NANOCOLOR products, 24 Οκτωβρίου 2007.

d) Workshop-A, "Molecular Approaches to Unravel the Hidden Microbial World
A Microbe GR Workshop" A Microbe Workshop, Agrinio, 15-17 October 2009.

e) Workshop-B, MikroBioKosmos and DNA Microarrays: from theory to practice, A
MicrobeGR Workshop, 24-26 March 2010.

- f) Ion Chromatography- High Pressure Ion Chromatography- Capillary Ion Chromatography, THERMO FISHER SCIENTIFIC/ DIONEX, (presented by Joashim Weiss), 2013.
- g) Thermo Fisher Scientific/ Dionex, Seminar for Thermo Dionex ICS-5000DC/detector AERS 500, 2013.
- h) Perkin Elmer- ANTIΣΕΑ, Seminar for (ICP-OES) - Optima 8000DV ICP-OES (2013 and 2018).

6. TEACHING ACTIVITIES

A. Independent Teaching of Undergraduate Courses of Department of Environmental and Natural Resources Management, University of Patras

- Solid Waste Management (D' Semester) (7 semester) - (2014-2021)
- Wastewater Treatment (F' Semester) (6 semester) - (2015-2021)
- Fluid Mechanics (E' Semester) (11 semesters) - (2010-2021)
(old title of lesson Fluid Mechanics- Hydraulics)
- Chemical Processes (H' Semester) (10 semesters) - (2010-2021)
(old title of lesson Chemical and Biochemical Processes)
- Hazardous Waste Treatment (Z' Semester) (11 semesters) - (2009-2021)
- Waste management planning (Z' Semester) (4 semesters) - (2009-2013)
- Materials engineering (H' Semester) (2 semesters) - (2010-2013)

B. Teaching of Tutorial Undergraduate Courses of Department of Environmental and Natural Resources Management

- Mathematics I, II (A'-B' Semesters) (2 semesters) - (2009-2010)
- Programming I - Fortran (A' Semester) (2 semesters) - (2009-2010)
- Programming II- Applied Numerical Analysis (B' semester) (2 semesters) - (2009-2010)
- Wastewater management (Z' Semester) (3 semesters) - (2002-2005)
- Soil and groundwater remediation (H' Semester) (3 semesters) - (2002-2005)

C. Teaching of Post-graduate Courses of Department of Environmental and Natural Resources Management

2015-2017

- Part of the Course "Advanced Issues of Environmental Technologies" with the title of «Biological Technologies» in the frame of post-graduate studies "Applications Protection and Environmental Management» of Department of Environmental and Natural Resources Management
- Part of the Course "Environmental Lab Techniques" with the title of "Characterization and Analysis of water and wastewater" in the frame of post-graduate studies «Applications Protection and Environmental Management» of Department of Environmental and Natural Resources Management

D. Supervision of Ph.D Theses

1. Stefania Patsialou (2020- in progress) "Use of microalgae for product recovery from wastewaters"
2. Kora Elianta (2019- in progress) "Waste treatment and utilization using biological methods"
3. Patrinoi Vasiliki (2018- in progress) "Application of microalgae/cyanobacteria for the treatment of wastewaters and product recover"
4. Tsolcha Olga (2012 - 2017), "Biomass use for biodiesel production".
5. Tatoulis Triantafyllos (2012 - 2016), "Biological treatment of agro-industrial wastewaters".

E. Supervision of Master Theses

1. Patrinoi Vasiliki (2016-2017), "Wastewater treatment and bioethanol production"
2. Nikolaou Christos (2015-2016), "Exploitation of microalgae biomass produced from wastewaters for bioethanol production".

F. Participation as a member of the three-member Advisory Committee for PhD thesis

1. Mavrikos Aristodimos (2020 in progress)
2. Panagiotis Anastasopoulos (2019- in progress) "Development of a mathematical model for the establishment of a surface water quality index".
3. Papachristopoulos Efstathios (2016- in progress) "Production and exploitation of high added value components from olive mill by-products".
4. Michailides Michail (2015), "Biological reduction of hexavalent chromium".

G Participation in the 7-member PhD Thesis Committee

1. Tsiaras Evangelos (2019), " Environmental benefits and effects from the widespread use of RES in small settlements "
2. Gavriil Gavriil (2018), "Mathematical simulation of transport phenomena- Scale transition and engineering applications"
3. Nikolaou Charisiou (2017), "Utilization of biomass from agricultural residues through the processes of composting and biogas upgrading"
4. Michailides Michail, (2015), "Biological reduction of hexavalent chromium".
5. Zambaras Miltiadis (2015), "Development of physicochemical methods for restoring eutrophic water bodies
6. Mar-Yam Sultana (2014), "Treatment of industrial and agro-industrial wastewater using constructed wetlands".
7. Abu Khayer Md. Muktedirul Bari Chowdhury (2014), "Composting of Agro-Industrial Wastes".

H Participation in the 3-member Master Thesis Committee

1. Katsipanou Iphigenia (2018), "Lifetime of Reinforced Concrete Structures - Case Study and Protection Proposals".
2. Tasma Mantha (2017), "Analysis and Proposals for the Implementation of Decentralized Innovative Solar Energy Technologies in the EU Aitolokarnania".
3. Tsavali Anastasia (2017), "Fishing with the use of light: ecological effects on the fish community of the Lake Trichonida".
4. Nikoletos Stavros (2017), "Exploitation of Agricultural Biomass to Produce High Value-Added Materials - Application to Olive Oil Prunks".

5. Tsounis Labros (2016), "Nutrition of tserouklas (*Scardinius acarnanicus*) in lakes of Western Greece-Ecological and management extensions".

I. Supervision of Bachelor's Theses

In total over 30 participations

K. Participation in the 3-member Bachelor's Thesis Committee

In total over 80 participations

L. Auxiliary supervisor (Participation in the supervision of Bachelor's Theses):

In total over 40 participations

M. Auxiliary supervisor (Participation in the supervision of Master's Theses):

2009-2010

1. Xristou Gerasimos "Phytotoxicity control of olive mill wastewaters".
2. Michailides Michail "Biological treatment of olive mill wastewaters".
3. Cherouvim Elisa vet "Olive mill wastewater treatment using constructed wetlands".
4. Tatoulis Triantafyllos "Biological treatment of cheese factory wastewater".

N. TEACHING AT VOCATIONAL TRAINING CENTERS (K.E.K.) OF PREFECTURAL AUTHORITIES OF AITOLOAKARNANIA

1. Program of OAED-LAEK 0.45% PREFECTURAL AUTHORITIES OF AITOLOAKARNANIA titled « Hygiene of foods » (2001).

2. TEACHING AT VOCATIONAL TRAINING CENTERS (K.E.K.) «MENTOR» MUNICIPALITY OF RODOPI

Program titled «Instrument Operators of soft drinks and brewery" (1999).

7. AUTHORSHIP

A. PH-D THESIS

Athanasia G. Tekerlekopoulou (2006) “(The) Study of biological removal mechanisms of pollutants from potable water using trickling filters”. University of Ioannina, pages 200.

B. PAPERS IN INTERNATIONAL REVIEWED JOURNALS

2003

B.01 A.G. Tekerlekopoulou and D.V. Vayenas (2003) “Operational and design considerations of a trickling filter for ammonia removal from potable water” Environmental Modeling and Assessment, 8, 55-62. (IF : 1.117, Cit : 8, 7+1 εκτός Scopus)

2006

B.02 A.G. Tekerlekopoulou, I.A. Vasiliadou and D.V. Vayenas (2006) “Physicochemical and biological iron removal from potable water” Biochemical Engineering Journal, 31, 74-83. (IF : 3.226, Cit : 36, 34+2 εκτός Scopus)

2007

B.03 A.G. Tekerlekopoulou and D.V. Vayenas (2007) “Ammonia, Iron and Manganese Removal from Potable Water Using Trickling Filters” Desalination, 210, 225-235. (IF : 6.603, Cit : 90, 86+4 εκτός Scopus)

2008

B.04 A.G. Tekerlekopoulou, D.V. Vayenas (2008) “Simultaneous Biological Removal of Ammonia, Iron and Manganese from Potable Water Using a Trickling Filter” Biochemical Engineering Journal, 39, 215-220. (IF : 3.226, Cit : 78, 76+2 εκτός Scopus)

B.05 A.G. Tekerlekopoulou, I.A. Vasiliadou D.V. Vayenas (2008) “Biological Manganese Removal from Potable Water Using Tricking Filters” Biochemical Engineering Journal, 38, 292-301. (IF : 3.226, Cit : 43, 39+4 εκτός Scopus)

2010

B.06 A.G. Tekerlekopoulou and D. V. Vayenas (2010) “A full-scale trickling filter for the simultaneous removal of ammonium, iron and manganese from potable water”, Journal of Chemical Technology & Biotechnology, 85(7), 1023-1026. (IF : 2.587, Cit : 10)

B.07 A.G. Tekerlekopoulou, G. Tsiamis, E. Dermou, S. Siozios K. Bourtzis and D.V. Vayenas (2010) “The effect of carbon source on microbial community structure and Cr(VI) reduction rate”, [Biotechnology and Bioengineering](#), 107(3), 478-487. (IF : 3.952, Cit : 17, 16+1 εκτός Scopus)

2011

B.08 M. Michailides, P. Panagopoulos, C.S. Akrotos, A.G. Tekerlekopoulou, and D.V. Vayenas. (2011). “A full-scale system for aerobic biological treatment of olive mill wastewater », Journal of Chemical Technology and Biotechnology, 86(6), 888-892. (IF : 2.587, Cit : 20).

B.09 E. Herouvim, C.S. Akrotos, A.G. Tekerlekopoulou and D.V. Vayenas. (2011). “Treatment of olive mill wastewater in pilot-scale vertical flow constructed wetlands”, Ecological Engineering, 37(6), 931-939. (IF : 3.023, Cit : 51)

B.10 M. Michailides, G. Christou, C.S. Akrotos, A.G. Tekerlekopoulou and D.V. Vayenas. (2011). Composting of olive leaves and pomace from a three-phase olive mill plant, International Biodeterioration and Biodegradation 65 (3), 560-564. (IF : 3.562, Cit : 13)

2012

B.11 A.G. Tekerlekopoulou, P. G. Papazafiris and D.V. Vayenas. (2012). “Effect of environmental and operating conditions on a full-scale trickling filter for the

simultaneous removal of ammonium, iron and manganese from potable water”
Desalination and Water Treatment (DWT) 39 (1-3), 228-234. (IF : 1.383, Cit : 3)

2013

B.12 A.G. Tekerlekopoulou*, M. Tsiflikiotou, L. Akritidou, A. Viennas, G. Tsiamis, S. Pavlou, K. Bourtzis, D.V. Vayenas (2013) “Modelling of biological Cr(VI) removal in draw-fill reactors using microorganisms in suspended and attached growth systems”
Water Research 47 (2), 623-636. (IF : 7.051, Cit : 39)

B.13 A.G. Tekerlekopoulou*, S. Pavlou, D.V. Vayena (2013). “Removal of ammonium, iron and manganese from potable water in biofiltration units: A review “Journal of Chemical Technology and Biotechnology 88 (5), 751-773. (IF : 2.587, Cit : 78)

B.014 M.K. Michailides, M. Sultana, A.G. Tekerlekopoulou, C.S. Akratos and D.V. Vayenas. (2013) “Biological CR(VI) removal using bio-filters and constructed wetlands” Water Science and Technology 68(10), 2228-2233. (IF : 1.247, Cit : 7)

2014

B.15 K. Pelendridou, M.K. Michailides, D.P. Zagklis., A.G. Tekerlekopoulou*, C.A. Paraskeva, D.V. Vayenas (2014). “Treatment of olive mill wastewater using a coagulation-flocculation process either as a single step or as post-treatment after aerobic biological treatment “ Journal of Chemical Technology and Biotechnology 89(12), 1866-1874. (IF : 2.587, Cit: 10)

B.16 Abu Khayer Md. Muktedirul Bari Chowdhury, M.K Michailides, C.S. Akratos, A.G Tekerlekopoulou, S. Pavlou, D.V. Vayenas, (2014). “Composting of three phase olive mill solid waste using different bulking agents” International Biodeterioration & Biodegradation 91, 66-73. (IF : 3.562, Cit: 14)

2015

- B.17** Mar-Yam Sultana, Abu Khayer Md. Muktedirul Bari Chowdhury, M.K. Michailides, C.S. Akratos, **A.G Tekerlekopoulou**, D.V. Vayenas, (2015). "Integrated Cr(VI) removal using constructed wetlands and composting", *Journal of Hazardous Materials* 281, 106-113. (IF : 6.434, Cit : 20)
- B.18** M.K. Michailides, **A.G. Tekerlekopoulou***, C.S. Akratos, S. Coles, S. Pavlou and D.V. Vayenas (2015) "Molasses as an efficient low cost carbon source for biological Cr(VI) removal", *Journal of Hazardous Materials* 281, 95-105. (IF : 6.434, Cit : 25)
- B.19** M.K. Michailides, T. Tatoulis, Mar-Yam Sultana, **A.G. Tekerlekopoulou**, I. Konstantinou, C. S. Akratos, S. Pavlou and D.V. Vayenas (2015) "Start-up of a free water surface constructed wetland for treating olive mill wastewater" *Hemijaska industrija (Chemical Industry)*, 69(5), 577-583, DOI:10.2298/HEMIND140820076M. (IF : 0.591, Cit : 5)
- B.20** T.I. Tatoulis, **A.G. Tekerlekopoulou***, C.S. Akratos, S. Pavlou and D.V. Vayenas (2015) "Aerobic Biological Treatment of Second Cheese Whey in Suspended and Attached Growth Reactors" *Journal of Chemical Technology and Biotechnology* 90 (11), 2040-2049, DOI 10.1002/jctb.4515. (IF : 2.587, Cit : 5)
- B.21** Abu Khayer Md. Muktedirul Bari Chowdhury, F. Konstantinou, A. Damati; C.S. Akratos, D. Vlastos, **A.G. Tekerlekopoulou**, D.V. Vayenas (2015) "Is physicochemical evaluation enough to characterize olive mill waste compost as soil amendment? The case of genotoxicity and cytotoxicity evaluation" *Journal of Cleaner Production*, 93, 5106, 94-102. (IF : 5.651, Cit : 16).
- B.22** Mar-Yam Sultana, T.I. Tatoulis, C.S. Akratos, **A.G. Tekerlekopoulou**, D.V. Vayenas (2015) "Effect of operational parameters on the performance of a horizontal subsurface flow constructed wetland treating secondary cheese whey and Cr(VI) wastewater"

International Journal of Civil and Structural Engineering, Volume 2 : Issue 1, 286-289
[ISSN : 2372-3971]. (IF :0, Cit : 0).

B.23 I. Vasiliadou, Abu Khayer Md. Muktadirul Bari Chowdhury, C.S. Akrotos, **A.G. Tekerlekopoulou***, S. Pavlou, D.V. Vayenas (2015), "Mathematical modeling of olive mill waste composting process" *Waste Management*, 43, 61-71. (IF : **4.723**, Cit : 13).

2016

B.24 Mar-Yam Sultana, C. Mouri, T. Tatoulis, C. Akrotos, **A.G. Tekerlekopoulou**, D.V. Vayenas (2016) "Effect of hydraulic retention time, temperature, and organic load on a horizontal subsurface flow constructed wetland treating cheese whey wastewater" *Journal of Chemical Technology and Biotechnology*, 91, 726-732. (IF : **2.587**, Cit : 12).

B.25 T.I. Tatoulis, S. Zapantiotis, Z. Frontistis, C.S. Akrotos, **A.G. Tekerlekopoulou***, S. Pavlou, D. Mantzavinos, D.V. Vayenas (2016), "A hybrid system comprising an aerobic biological process and electrochemical oxidation for the treatment of black table olive processing wastewaters", *International Biodeterioration & Biodegradation* 109, 104-112. (IF : **3.562**, Cit : 8)

B.26 O.N. Tsolcha, **A.G. Tekerlekopoulou***, C. S. Akrotos, S.Bellou, G. Aggelis, M. Katsiapi, M. Moustaka-Gounic, D.V. Vayenas (2016), "Treatment of second cheese whey effluents using a Choricystis-based system with simultaneous lipid production" *Journal of Chemical Technology and Biotechnology*, 91 (8), 2349-2359. (IF : **2.587**, Cit : 10).

B.27 K.A. Karanasios, I.A. Vasiliadou, **A.G. Tekerlekopoulou***, C.S. Akrotos, S. Pavlou, D.V. Vayenas, (2016), "Effect of C/N ratio and support material on heterotrophic denitrification of potable water in bio-filters using sugar as carbon source" *International Biodeterioration and Biodegradation*, 111, 62-73. (IF : **3.562**, Cit : 29)

2017

- B.28** T. Tatoulis, A. Stefanakis, Z. Frontistis, C.A. Akrotos, **A.G. Tekerlekopoulou**, D. Mantzavinos, D.V. Vayenas, (2017) "Treatment of table olive washing water using trickling filters, constructed wetlands and electrooxidation" *Environmental Science and Pollution Research*, 24(2), 1085-1092. (IF : 2.800, Cit : 8)
- B.29** O.N. Tsolcha, **A.G. Tekerlekopoulou***, C.S. Akrotos, G. Aggelis, S. Genitsaris, M. Moustaka-Gounic, D.V. Vayenas (2017), "Biotreatment of raisin and winery wastewaters and simultaneous biodiesel production using a *Leptolyngbya*-based microbial consortium" *Journal of Cleaner Production*, 148, 185-193. (IF : 5.651, Cit : 24)
- B.30** T.I. Tatoulis, C. S. Akrotos, **A.G. Tekerlekopoulou**, D.V. Vayenas, A.I. Stefanakis (2017), "A novel horizontal subsurface flow constructed wetland : reducing area requirements and clogging risk", *Chemosphere*, 186, 257-268. (IF : 4.427, Cit : 11)
- B.31** V. Markou, M. Kontogianni, Z. Frontistis, **A.G. Tekerlekopoulou**, A. Katsaounis, D. Vayenas (2017), " Electrochemical Treatment of biologically pre-treated dairywastewater using DSA types anodes", *Journal of Environmental Management*, 202, 217-224. (IF : 4.005, Cit : 17)

2018

- B.32** T.I. Tatoulis, M.K. Michailides, **A.G. Tekerlekopoulou***, C.S. Akrotos, S. Pavlou and D.V. Vayenas (2018), "Simultaneous treatment of agro-industrial and industrial wastewaters : Case studies of Cr(VI)/second cheese whey and Cr(VI)/winery effluents", *Water*, 10(4), 238. (IF : 2.069, Cit : 2)
- B.33** O.N. Tsolcha, **A.G. Tekerlekopoulou***, C.S. Akrotos, G. Antonopoulou, G. Aggelis, S. Genitsaris, M. Moustaka-Gouni, D.V. Vayenas (2018), "A *Leptolyngbya*-based microbial

consortium for agro-industrial wastewaters treatment and biodiesel production”, Environmental Science and Pollution Research, 25(18), 17957-17966. (IF : 2.800, Cit : 9).

B.34 M. Dourou, O.N. Tsolcha, **A.G. Tekerlekopoulou**, D. Bokas, Aggelis, G. (2018) “Fish farm effluents are suitable growth media for *Nannochloropsis gaditana*, a polyunsaturated fatty acid producing microalga”, Engineering in Life Sciences, 18, 851-860 (IF : 2.385, Cit : 6)

B.35 O.N. Tsolcha, **A.G. Tekerlekopoulou***, C.S. Akrotos, G. Antonopoulou, G. Aggelis, S. Genitsaris, M. Moustaka-Gouni, D.V. Vayenas (2018), “Agro-industrial wastewater treatment with simultaneous biodiesel production in attached growth systems using a mixed microbial culture”, Water, accepted. (IF : 2.069, Cit : 6)

2019

B.36 K.P. Papadopoulos, R. Argyriou, C.N. Economou, N. Charalampous, S. Dailianis, T.I. Tatoulis, **A.G. Tekerlekopoulou** and D.V. Vayenas (2019), “Treatment of printing ink wastewater using electrocoagulation”, Journal of Environmental Management, 237, 442-448. (IF: 4.005, Cit: 13)

B.37 A. Kotoulas, I.E. Triantaphyllidou, T.I. Tatoulis, C.S. Akrotos, **A.G. Tekerlekopoulou** and D.V Vayenas (2019), “Zeolite as a potential medium for ammonium recovery and second cheese whey treatment ”, Water, 11(1), 136. (IF: 2.069, Cit: 9)

B.38 A. Kotoulas, D. Agathou, I.E. Triantaphyllidou, T.I. Tatoulis, C.S. Akrotos, **A.G. Tekerlekopoulou** and D.V Vayenas (2019), “Second cheese whey treatment using zeolite under continuous flow mode and its application on wheat growth » Water, 11, 928. (IF: 2.069, Cit: 0)

B.39 A.K. Benekos, Charikleia Zampeta R. Argyriou, C.N. Economou, I.E. Triantaphyllidou, T.I. Tatoulis, **A.G. Tekerlekopoulou**, D.V. Vayenas (2019), “Treatment of table olive processing wastewaters using electrocoagulation in laboratory and pilot-scale reactors ”, Process Safety and Environmental Protection, 131, 38-47. (IF: 4.966, Cit: 4)

B.40 A. Ziouvelou, A.G. Tekerlekopoulou, D.V. Vayenas (2019), “Hybrid system for groundwater water denitrification using electrocoagulation and adsorption process”, *Journal of Environmental Management*, 249, 109355. (IF: 5.647, Cit: 1)

2020

B.41 C.S. Akratos, T.I. Tatoulis, A.G. Tekerlekopoulou, (2020) “Biotreatment of winery wastewater using a hybrid system combining biological trickling filters and constructed wetlands” *Applied Sciences (Switzerland)*, 10 (2), art. no. 619, (IF: 2.474, Cit: 0)

B.42 V. Patrinoi, O.N. Tsolcha, T.I. Tatoulis, N. Stefanidou, M. Dourou, M. Moustaka-Gouni, G. Aggelis, A.G. Tekerlekopoulou, (2020) “Biotreatment of poultry waste coupled with biodiesel production using suspended and attached growth microalgal-based systems”, *Sustainability (Switzerland)*, 12 (12), art. no. 5024, . (IF: 2.576, Cit: 0)

B.43 K.P. Papadopoulos, C.N. Economou, A.G. Tekerlekopoulou, D.V. Vayenas (2020), “Two-step treatment of brewery wastewater using electrocoagulation and cyanobacteria-based cultivation” *Journal of Environmental Management*, 265, 110543, (IF: 5.647, Cit: 0)

B.44 K.P. Papadopoulos, C.N. Economou, S. Dailianis, N. Charalampous, N. Stefanidou, M. Moustaka-Gouni, A.G. Tekerlekopoulou, D.V. Vayenas (2020), “Brewery wastewater treatment using cyanobacterial-bacterial settleable aggregates” *Algal Research*, 49, 101957. (IF: 4.008, Cit: 0)

2021

B.45 K.P. Papadopoulos, C.N. Economou, A.G. Tekerlekopoulou, D.V. Vayenas (2021), “A cyanobacteria-based biofilm system for advanced brewery wastewater treatment” *Applied Sciences (Switzerland)* 11(1),174, pp. 1-13. (IF: 2.474, Cit: 0)

B.46 O.N. Tsolcha, V. Patrinoi, C.N. Economou, M. Dourou, G. Aggelis, A.G. Tekerlekopoulou, (2021), “Utilization of biomass derived from cyanobacteria-based agro-industrial wastewater treatment and raisin residue extract for bioethanol production” *Water (Switzerland)* 13(4), 486. (IF: 2.544, Cit: 0)

- B.47** F. Martsouka, K. Papagiannopoulos, S. Hatziantoniou, M. Barlog, G. Lagiopoulos A.G. Tekerlekopoulou, D. Papoulis (2021), "Evaluation of the Antimicrobial Protection of Pharmaceutical Kaolin and Talc Modified with Copper and Zinc" *Materials* 14(5),1173, pp. 1-18. **(IF: 3.057, Cit: 0)**
- B.48** A.K. Benekos, M. Tsigara, S. Zacharakis, I. Triantaphyllidou, A.G. Tekerlekopoulou, A. Katsaounis, D.V. Vayenas (2021), "Combined electrocoagulation and electrochemical oxidation treatment for groundwater denitrification" *Journal of Environmental Management* 285, 112068. **(IF: 5.647, Cit: 0)**

Γ. CONFERENCE PRESENTATIONS AND PROCEEDINGS

Γ.1 INTERNATIONAL CONFERENCES

- Γ.1.01 A.G. Tekerlekopoulou, D.V. Vayenas (2005)** "Ammonia, Iron and Manganese removal from potable water using trickling filters" 9th International conference on Environmental Science and Technology", Rhodes, September 1-3, 2005.
- Γ.1.02 A.G. Tekerlekopoulou, D.V. Vayenas (2009)** "A full-scale study of simultaneous biological removal of hydrogen sulfide, ammonium, iron and manganese from potable water using a trickling filter" Second International Conference on Environmental Management, Engineering, Planning and Economics, (CEMEPE 09) & SECOTOX Conference, Mykonos island, Greece, June 21 to 26, 2009.
- Γ.1.03 A.G Tekerlekopoulou, M. Michailides, E. Herouvim, G. Christou, I. Konstantinou, C.S. Akratos and D. V. Vayenas (2010).** "Free water surface constructed wetland treating olive mill wastewater", Proceedings of X Protection and Restoration of Environment International Conference, 5-9 July 2010, Corfu, Greece.
- Γ.1.04 M. Michailides, C.S. Akratos, A.G. Tekerlekopoulou and D.V. Vayenas. (2012).** Horizontal subsurface flow constructed wetland treating Cr(VI), Proceedings of XI

Protection and Restoration of Environment International Conference, 3-6 July 2012, Thessaloniki, Greece.

Γ.1.05 M. Michailides, **A.G. Tekerlekopoulou**, C.S. Akratos, S. Pavlou and D.V Vayenas. (2012). A kinetic study of biological Cr(VI) reduction in draw-fill reactors, Proceedings of XI Protection and Restoration of Environment International Conference, 3-6 July 2012, Thessaloniki, Greece.

Γ.1.06 M. Michailides, **A.G. Tekerlekopoulou**, C.S. Akratos and D.V. Vayenas. (2013). "Biological removal of hexavalent chromium, ammonium, iron and manganese from potable water using a trickling filter", Proceedings of 1st EWaS-MED International Conference, 11-13 April 2013, Thessaloniki.

Γ.1.07 M.K. Michailides, Mar-Yam Sultana, **A.G. Tekerlekopoulou**, C.S. Akratos and D.V. Vayenas. (2013). Biological Cr(VI) removal using bio-filters and constructed wetlands, Proceedings of International conference on Asset management for enhancing energy efficiency in water and wastewater systems, 24-26 April 2013, Marbella, Spain.

Γ.1.08 M.K. Michailides, **A.G. Tekerlekopoulou**, C.S. Akratos and D.V. Vayenas (2013) "Biological Cr(VI) reduction" CEST 2013 - 13th International Conference on Environmental Science and Technology, 05-07 September, 2013, Athens, Greece.

Γ.1.09 Mar-Yam Sultana, M.K. Michailides, C.S. Akratos, **A.G. Tekerlekopoulou** and D.V. Vayenas (2013) "Effect of hydraulic residence time on CR(VI) removal using constructed wetlands" CEST 2013 - 13th International Conference on Environmental Science and Technology, 05-07 September, 2013, Athens, Greece.

Γ.1.10 Mar-Yam Sultana, M.K. Michailides, C.S. Akratos, **A.G. Tekerlekopoulou** and D.V. Vayenas (2013) "Pilot scale horizontal subsurface flow constructed wetlands for the co-treatment of cheese whey wastewaters and hexavalent chromium" Fourth International Conference on Small and Decentralized Water and Wastewater Treatment Plants (SWAT 2013), 26-27 October, 2013, Volos, Greece.

- Γ.1.11** T.I. Tatoulis, **A.G. Tekerlekopoulou** and D.V. Vayenas (2013), “Aerobic treatment of cheese whey wastewater” Fourth International Conference on Small and Decentralized Water and Wastewater Treatment Plants (SWAT 2013), 26-27 October, 2013, Volos, Greece.
- Γ.1.12** M.K. Michailides, **A.G. Tekerlekopoulou**, S. Coles, C.S. Akratos and D.V. Vayenas (2014), “Chromium (VI) in the environment: history and strategies for the treatment of polluted water and wastewater with Cr(VI)” IWA Regional Symposium on Water, Wastewater and Environment: Traditions and Culture, 22-24 March 2014, Patras, Greece.
- Γ.1.13** T.I. Tatoulis, **A.G. Tekerlekopoulou**, C.S. Akratos and D.V. Vayenas, (2014), “Genesis and Diaspora of the Dairy Process: Aerobic Biological Treatment of its Wastewaters” IWA Regional Symposium on Water, Wastewater and Environment: Traditions and Culture, 22-24 March, 2014, Patras, Greece.
- Γ.1.14** Mar-Yam Sultana, T. Tatoulis, C.S. Akratos, **A.G. Tekerlekopoulou** and D.V. Vayenas, (2014), “Effect of operational parameters on the performance of a horizontal subsurface flow constructed wetland treating secondary cheese whey and Cr(VI) wastewater”, Second International Conference on Advances in Civil, Structural and Environmental Engineering - ACSEE” 25-26 October 2014, Zurich, Switzerland.
- Γ.1.15** T.I. Tatoulis, A. Stefanakis, C.S. Akratos, **A.G. Tekerlekopoulou**, A. Gianni, I. Zacharias and D.V. Vayenas, (2015) “A Novel horizontal subsurface flow constructed wetland for the treatment of cheese-whey” WASTEnet 2015 Scientific Conference, Sustainable Solutions To Wastewater Management: Maximizing The Impact Of Territorial Co-Operation, 19th-21st June 2015, Kavala, Greece.
- Γ.1.16** T.I. Tatoulis, A. Stefanakis, C.S. Akratos, **A.G. Tekerlekopoulou**, A. Gianni, I. Zacharias and D.V. Vayenas, (2015) “Treatment of table olive washing waters using horizontal subsurface flow constructed wetlands” WASTEnet 2015 Scientific

Conference, Sustainable Solutions To Wastewater Management: Maximizing The Impact Of Territorial Co-Operation, 19th-21st June 2015, Kavala, Greece.

Γ.1.17 T. Tatoulis, S. Zapantiotis, Z. Frontistis, **A.G. Tekerlekopoulou**, C.S. Akrotos, D. Mantzavinos and D. V. Vayenas, (2015) "Treatment of table olive washing waters using attached growth biological system followed by electrooxidation" 6th European Bioremediation Conference, June 29 – July 2, 2015, Chania, Crete, Greece.

Γ.1.18 M.K. Michailides, T.I. Tatoulis, **A.G. Tekerlekopoulou**, C.S. Akrotos, S. Pavlou and D.V. Vayenas, (2015) "Second cheese whey as an efficient low-cost carbon source for biological hexavalent chromium removal", Novel Methods for Integrated Exploitation of Agricultural by-Products, November 16-18, 2015, Thessaloniki, Greece.

Γ.1.19 T. Tatoulis, A. Stefanakis, S. Zapantiotis, Z. Frontistis, **A.G. Tekerlekopoulou**, C.S. Akrotos, D. Mantzavinos, D.V. Vayenas, (2015) "Treatment of Table Olive Washing Waters Using Constructed Wetlands Followed by Electrooxidation" 4th European Conference on Environmental Applications of Advanced Oxidation Processes – EAAOP4, October 21-24, 2015, Athens, Greece.

Γ.1.20 T. Tatoulis, A. Stefanakis, C. Akrotos, **A. Tekerlekopoulou**, A. Gianni, I. Zacharias, D. Vayenas, (2015) "Treatment of agro-industrial wastewaters using novel horizontal subsurface constructed wetlands" 6th International Symposium on Wetland Pollutant Dynamics and Control Annual Conference of the Constructed Wetland Association, WETPOL 2015, September 13-18, 2015, York, UK.

Γ.21 T.I. Tatoulis, **A.G. Tekerlekopoulou**, C.S. Akrotos and D. V. Vayenas. 2018. WINERY WASTEWATER TREATMENT USING BIOLOGICAL FILTER AND CONSTRUCTED WETLAND, 5th International Conference on Small and Decentralized Water and Wastewater Treatment plants- 5th SWAT 2018, August 26-29, 2018, Thessaloniki, Macedonia- Greece.

- Γ.22** A. Benekos, R. Argyriou, T. Tatoulis, **A.G. Tekerlekopoulou**, D.V. Vayenas, 2018. Treatment of table olive washing waters, 1st International olive center conference, May 24-26, 2018, Thessaloniki.
- Γ.23** K.P. Papadopoulos, Ch.N. Economou, M. Moustaka-Gouni, **A.G. Tekerlekopoulou**, G. Aggelis, D.V. Vayenas, Brewery Wastewater Treatment Using the Filamentous Cyanobacterium *Leptolyngbya* sp. IWAAlgae2019, 1-2 July 2019, Valladolid, Spain.
- Γ.24** T.I. Tatoulis, C.S. Akratos, **A.G. Tekerlekopoulou**, D.V. Vayenas, Hybrid Constructed Wetland Treatment Systems for Agro-industrial Wastewater. ISCW2019, 29-31 August 2019, Patras, Greece.
- Γ.25** C. Genethliou, A. Stamatakis, M. Papayianni, D. Giannakis, S. Kaouris, I.E. Triantaphyllidou, **A.G. Tekerlekopoulou**, D.V. Vayenas, Treatment of landfill leachate using adsorption technology. ISCW2019, 29-31 August 2019, Patras, Greece.
- Γ.26** Papadopoulos K.P., Economou C.N., Moustaka-Gouni M., **Tekerlekopoulou A.G.** and Vayenas D.V., Cultivation of a natural bacteria-cyanobacteria consortium for brewery wastewater treatment, ISCW2019, 29-31 August 2019, Patras, Greece.
- Γ.27** K.P. Papadopoulos, C.N. Economou, M. Moustaka-Gouni, **A.G. Tekerlekopoulou**, G. Aggelis, D.V. Vayenas, Biotreatment of Brewery Wastewater Using the Filamentous Cyanobacterium *Leptolyngbya* sp., CEST2019, 4-7 September 2019, Rhodes, Greece.
- Γ.28** K.P. Papadopoulos, R. Argyriou, C.N. Economou, T.I. Tatoulis, **A.G. Tekerlekopoulou** D.V. Vayenas, Printing ink wastewater treatment using electrocoagulation in lab- and pilot-scale reactor. CEST2019, 4-7 September 2019, Rhodes, Greece.

- Γ.29** A. Benekos, K.P. Papadopoulos, I.E. Triantaphyllidou, **A.G. Tekerlekopoulou**, D.V. Vayenas, Treatment of various agro-industrial wastewaters using electrocoagulation. CEST2019, 4-7 September 2019, Rhodes, Greece.
- Γ.30** V. Patrinoi, A. Daskalaki, C.N. Economou, I. Kotzamanis, D. Bokas, D.V. Vayenas, G. Aggelis, **A.G. Tekerlekopoulou**, OPTIMIZATION OF GROWTH CONDITIONS FOR THE MARINE MICROALGA TETRASELMIS STRIATA - AN ALTERNATIVE RAW MATERIAL FOR FISH FEED, 6th International Conference on INDUSTRIAL & Hazardous waste Management INDUSTRIAL European Bioremediation Conference, July 27 - 30, 2021, Chania, Crete, Greece.

Γ.2. HELLENIC CONFERENCES

- Γ.2.01** **A.G. Tekerlekopoulou**, **D.V. Vayenas** (2003) "Operational and design considerations of a trickling filter for ammonia removal from potable water", 4th Panhellenic Scientific Chemical Engineering Congress, Patra, 29-31 May 2003.
- Γ.2.02** **A.G. Tekerlekopoulou**, E. Dermou, D.V. Vayenas "Biological removal of ammonium from potable water using trickling filter" 1st Environmental Conference of Macedonia, 7-9 May 2004, Orestiada.
- Γ.2.03** **A.G. Tekerlekopoulou**, D.V. Vayenas "Biological removal of contaminants from potable water using sponges media " 5th Panhellenic Scientific Chemical Engineering Congress, Thessaloniki, May 26-28, 2005.
- Γ.2.04** **A.G. Tekerlekopoulou**, E. Dermou, G. Tziotzios, I. Vasiliadou, D.V. Vayenas "Implementation of heterogeneous biological systems for potable and wastewater treatment" 2nd Environmental Conference of Macedonia, Thessaloniki, October 8-12, 2005.

- Γ.2.05** I. Vasiliadou, E. Dermou, K.A. Karanasios, X.N. Economou, A.G. Tekerlekopoulou, G. Tziotzios, D.V. Vayenas, (2008) "Biological potable and wastewater treatment" 1st Panhellenic Conference of Microbiokosmos, Athens 12-14 December 2008.
- Γ.2.06** **A.G.Tekerlekopoulou**, D.V. Vayenas "Simultaneous biological removal of hydrogen sulfide, ammonium, iron and manganese from potable water using full scale trickling filter" 7th Panhellenic Scientific Chemical Engineering Congress, Patra 2009.
- Γ.2.07** **A.G. Tekerlekopoulou**, G. Tsiamis, K. Bourtzis and D.V. Vayenas (2009) "Biological removal of hexavalent chromium using mixed cultures of bacteria and fungus" 2nd Panhellenic Conference of Microbiokosmos Athens 2009.
- Γ.2.08** G. Christou, M. Michailides, **A. Tekerlekopoulou**, C.S. Akratos and D.V. Vayenas "Composting of olive oil solid wastes", 4th Environmental Conference of Macedonia, 18-20 March 2011, Thessaloniki.
- Γ.2.09** M. Michailides, E. Herouvim, **A.G. Tekerlekopoulou**, C.S. Akratos and D.V. Vayenas "System for olive oil wastewater treatment", 4th Environmental Conference of Macedonia, 18-20 March 2011, Thessaloniki.
- Γ.2.10** **A.G Tekerlekopoulou**, G. Tsiamis, K. Bourtzis and D.V Vayenas, "Biological reduction of hexavalent chromium", 4th Environmental Conference of Macedonia, 18-20 March 2011, Thessaloniki.
- Γ.2.11** **A.G. Tekerlekopoulou**, M. Tsiflikioti, L. Akritidou, A. Biennas, G. Tsiamis, K. Bourtzis and D.V Vayenas "Biological reduction of hexavalent chromium", 4th Panhellenic Conference of Microbiokosmos 21-23 October 2011, Ioannina.
- Γ.2.12** K.A. Karanasios, S.P. Makri, **A.G. Tekerlekopoulou**, D.V. Vayenas, "Heterotrophic denitrification of potable water", 4th Panhellenic Conference of Microbiokosmos 21-23 October 2011, Ioannina.

- Γ.2.13 A.G. Tekerlekopoulou**, G. Tsiamis, S. Pavlou, K. Bourtzis, D. Vayenas, “Modelling of biological Cr(VI) reduction in suspended and attached growth reactors” 5th Panhellenic Conference of Microbiokosmos October 13-15, 2012, Athens.
- Γ.2.14 A.G. Tekerlekopoulou**, M. Michailides, C.S. Akratos, S. Pavlou and D.V Vayenas, “Biological reduction of chromium Hexavalent”, Proceedings of 1st Environmental Conference of Thessaly, 8-10 September, Skiathos, 2012.
- Γ.2.15** K.A. Karanasios, **A.G. Tekerlekopoulou**, S. Pavlou, D.V. Vayenas, (2012) “Heterotrophic denitrification of potable water”, Proceedings of 1st Environmental Conference of Thessaly, 8-10 September, Skiathos, 2012.
- Γ.2.16** D. Konstantinidis, M. Michailidis, **A.G. Tekerlekopoulou**, D. Sakoula, M. Yiangou, (2013) “Isolation and characterization of microorganisms capable to reduce hexavalent chromium from drinking water” Proceedings of the 35th Scientific Conference of Hellenic Association for Biological Sciences, Nafplio, May 23-25, 2013.
- Γ.2.17** M. Michailides, Mar-Yam Sultana, C.S. Akratos, **Tekerlekopoulou A.G.**, D.V. Vayenas, (2014) “An integrated chromium wastewater chromium removal management” 5th Environmental Conference of Macedonia, 14-16 March 2014, Thessaloniki.
- Γ.2.18** T.I. Tatoulis, A.M. Damati, **A.G. Tekerlekopoulou**, D. Vlastos, D.P. Matthopoulos and D.V. Vayenas, (2014) “Dairy wastewaters aerobic treatment and their genotoxic effects in cultured human lymphocytes” 5th Environmental Conference of Macedonia, 14-16 March 2014, Thessaloniki.
- Γ.2.19** T.I. Tatoulis, A.M. Damati, **A.G. Tekerlekopoulou**, C.S. Akratos, D. Vlastos, D.P. Matthopoulos and D.V. Vayenas, (2015) “Cheese factory wastewater: Studies of aerobic treatment and assessment of genotoxic and cytotoxic activity in vitro conditions” 10^o Panhellenic Scientific Chemical Engineering Congress, Patra 2015.

- Γ.2.20** O.N. Tsolcha, **A.G. Tekerlekopoulou**, C.S. Akratos, S. Bellou, G. Aggelis, S. Pavlou and D.V. Vayenas, (2015) "Microalgae for cheese factory wastewater with the simultaneous production of biofuels" 10^o Panhellenic Scientific Chemical Engineering Congress, Patra 2015.
- Γ.2.21** I. Vasiliadou, Abu Khayer Md. Muktedirul Bari Chowdhury, C.S. Akratos, **A.G. Tekerlekopoulou**, S. Pavlou, and D.V. Vayenas, (2015) "Mathematical modeling of olive mill waste composting process" 10^o Panhellenic Scientific Chemical Engineering Congress, Patra 2015.
- Γ.2.22** O.N. Tsolcha, **A.G. Tekerlekopoulou**, C.S. Akratos, S. Bellou, G. Aggelis, G. Antonopoulou, M. Katsiapi, M. Moustaka, D.V. Vayenas, (2015) "Utilization of microalgae *Choricystis* cf. *minor* in wastewater treatment and the simultaneous production of biofuels", 6th Panhellenic Conference of Microbiokosmos April 3-5, 2015, Athens.
- Γ.2.23** T.I. Tatoulis, A.M. Damati, **A.G. Tekerlekopoulou**, D. Vlastos, D.P. Matthopoulos and D.V. Vayenas, (2015) "Study of aerobic degradation of organic matter from dairy wastewater and control of their genotoxic activity in human lymphocyte cultures", 6th Panhellenic Conference of Microbiokosmos, April 3-5, 2015, Athens.
- Γ.2.24** M. Michailides, **A.G. Tekerlekopoulou**, S. Coles, C.S. Akratos and D.V. Vayenas, (2015) "Biological reduction of hexavalent chromium removal using suspended and attached growth systems", 12th Greece-Cyprus Chemistry Conference, May 8-10, 2015, Thessaloniki, Greece.
- Γ.2.25** M. Sultana, M. Michailides, C.S. Akratos, **A.G. Tekerlekopoulou** and D.V. Vayenas, (2015) "Treatment of hexavalent chromium using constructed wetlands", 12th Greece-Cyprus Chemistry Conference, May 8-10, 2015, Thessaloniki, Greece.
- Γ.2.26** T.I. Tatoulis, M. Sultana, M. Michailides, C.S. Akratos, **A.G. Tekerlekopoulou** and D.V. Vayenas, (2015) "Treatment of Agro-industrial wastewaters using constructed

wetlands”, 3o Common Conference (13o EYE, 9o EEΔΥΠ, 1o EYΣ) with title “Integrated Water Resources Management in the New Era “, December 10-12, 2015, Athens, Greece.

Γ.2.27 O.N. Tsolcha, **A.G. Tekerlekopoulou**, C.S. Akrotos, G. Aggelis, S. Genitsaris, M. Moustaka, D.V. Vayenas, (2016) “Mixed cyanobacterial –mixotrophic algal culture in wastewater treatment and biofuels production” 22o Panhellenic Chemistry Conference, December 2-4, 2016, Thessaloniki, Greece.

Γ.2.28 O.N. Tsolcha, **A.G. Tekerlekopoulou**, C.S. Akrotos, M. Moustaka, G. Aggelis, D.V. Vayenas, (2017) “Microalgae/cyanobacteria applications in agro-industrial wastewater treatment with simultaneous production of biofuels” 7o Panhellenic Conference of Microbiokosmos, 7-9 April 2017, Athens.

Γ.2.29 T.I. Tatoulis, Z. Frontistis, **A.G. Tekerlekopoulou**, C.S. Akrotos, S. Pavlou, D. Mantzavinos, D.V. Vayenas, (2017) “Treatment of agroindustrial wastewaters using biological filters, constructed wetlands and electrochemical oxidation processes” 11o Panhellenic Scientific Chemical Engineering Congress, 25-27 May 2017, Thessaloniki.

Γ.2.30 V. Patrinoi, O. Tsolcha, X. Nikolaou, M. Dourou, C.S. Akrotos, **A.G. Tekerlekopoulou**, G. Aggelis, D.V. Vayenas, (2017) “Microalgae biomass for bioethanol production” Green Chemistry & Sustainable Development, 5th Panhellenic Conference, 20-22 October 2017, Patras, Greece.

Γ.2.31 V. Patrinoi, O. Tsolcha, A. Tekerlekopoulou, C. Akrotos, G. Aggelis, M. Dourou, M. Moustaka-Gouni, Genitsaris S., D.V. Vayenas, (2019) “Agroindustrial wastewater treatment with simultaneous biodiesel production in attached growth systems using a mixed microbial culture” 8o Panhellenic Conference of Microbiokosmos, 18-20 April 2019, Athens.

Γ.2.32 V Konstantinos Papadopoulos, Christina Economou, Maria Moustaka-Gouni, Athanasia Tekerlekopoulou, George Aggelis and Dimitris Vayenas (2019) “Effect of

operating parameters on cyanobacterial biotreatment of brewery wastewaters.” 8^o Panhellenic Conference of Microbiokosmos, 18-20 April 2019, Athens.

Γ.2.33 V. Patrinoi, O. Tsolcha, A. Tekerlekopoulou, G. Aggelis, M. Dourou, M. Moustaka-Gouni, Genitsaris S., D.V. Vayenas (2019) “ Agroindustrial wastewater treatment with simultaneous biodiesel production in attached growth systems using a mixed microbial culture ” 12^o Panhellenic Scientific Chemical Engineering Congress, 29-31 May 2019, Athens.

Γ.2.34 T. Tatoulis, M. Michailides, A. Tekerlekopoulou, C. Akratos, S. Pavlou, D.V. Vayenas, (2019) “Simultaneous treatment of agroindustrial and industrial wastewater: Study of Cr(VI) reductioun using second cheese whey and winery wastewaters” 12^o Panhellenic Scientific Chemical Engineering Congress, 29-31 May 2019, Athens.

Γ.2.35 A. Benekos, S. Zacharakis, S. Lyristi, M. Tsigara, A.G. Tekerlekopoulou, D.V. Vayenas, (2019) “Denitrification of potable water using biological and electrochemical methods” Panhellenic Scientific Chemical Engineering Congress, 29-31 May 2019, Athens.

Γ.2.36 K.P. Papadopoulos, E. Kotroni, E. Vasi, C.N. Economou, Maria Moustaka-Gouni, A.G. Tekerlekopoulou, G. Aggelis, D.V. Vayenas, (2019) “Biotreatment of brewery wastewater using the cyanobacteria *Leptolyngbya* sp.” Panhellenic Scientific Chemical Engineering Congress, 29-31 May 2019, Athens.

Γ.2.37 X. Genethliou, D. Giannakis, M. Papagianni, E. Triantafyllidou, A. G. Tekerlekopoulou, D. Vayenas (2019) “Removal of various pollutants from leachate using adsorption process” Panhellenic Scientific Chemical Engineering Congress, 29-31 May 2019, Athens.

Γ.2.38 K. Papadopoulos, A. Benekos, A. Tekerlekopoulou, D. Vayenas (2019) “DECOLORIZATION OF AGRO-INDUSTRIAL WASTEWATERS USING ELECTROCOAGULATION” Panhellenic Scientific Chemical Engineering Congress, 29-31 May 2019, Athens.

Γ.2.39 K. Papadopoulos, E. Kotroni, E. Vasi, C.N. Economou., Maria Moustaka-Gouni, A.G. Tekerlekopoulou, D. Vayenas (2019) « Biotreatment of brewery wastewater using the cyanobacteria *Leptolyngbya* sp.» 16th Conference of the Hellenic Botanical Society, 10-13 October 2019, Athens.

Γ.2.40 V. Patrinoi, C.N. Economou, A. Daskalaki, G. Kontzamanis, D. Vayenas, G. Aggelis, A.G. Tekerlekopoulou (2021) 1st Online Conference of Young Scientists Mineral Resources-Environment- Chemical Engineering February 26-28, 2021 Kozani, Western Macedonia.

Γ.3. COLLOQUIUMS/WORKSHOPS

1. M. Michailides, T. Tatoulis, **A.G. Tekerlekopoulou**, C.S. Akratos and D. V. Vayenas, "Aerobic treatment of agro-industrial wastewaters». Workshop: "Innovative methods for the use of waste from the processing of agricultural products' 19 - November 20, 2013, Congress Centre, EKETA.
2. **A.G. Tekerlekopoulou**, "Modern Teaching Approaches to Education for the Environment and Sustainability-Management of Wastewater". Two-day Seminar for the Training of Teachers of KE Thermos, in the framework of the implementation of the "ENVIRONMENTAL EDUCATION CENTER (CPE) - ENVIRONMENTAL EDUCATION" through the Operational Program "DEVELOPMENT OF HUMAN RESOURCES, EDUCATION AND LIFELONG LEARNING" 16-17 December 2016, Event Hall of the Municipality of Thermo.
3. **A. Tekerlekopoulou**, "Rational Water Management and Use". Agrinio Municipal Council on the occasion of the World Water Day, 23 March 2016, Bank of Greece Building Hall, Agrinio.
4. A. Ziouvelou A., Z. Frontistis, **A. Tekerlekopoulou**, A. Katsaounis, D. Vayenas, "Nitrate removal from water using electrochemical and biological processes", Foundation for Research and Technology (FORTH), 11th Scientific Workshop FORTH, 13 and 14 October 2017, Heraklion Crete.

5. A. Ziouvelou, Z. Frontistis, **A.G. Tekerlekopoulou**, P.G. Koutsoukos, A. Katsaounis, D. Vayenas, Nitrate removal from water using electrochemical and biological processes, 3rd WORKSHOP of GRADUATES and POSTDOCS in CHEMICAL ENGINEERING SCIENCES, Patras, October 4 2017.
6. A. Kotoulas, T.I. Tatoulis, C.S. Akrotos, A.G. Tekerlekopoulou, D.V. Vayenas "Ammonium and COD removal from the cheese whey by adsorption onto natural zeolite", 3rd WORKSHOP of GRADUATES and POSTDOCS in CHEMICAL ENGINEERING SCIENCES, Patras, October 4 2017.
7. C. Genethliou, A.G. Tekerlekopoulou and D.V. Vayenas, "Treatment of landfill leachate using adsorption technology", 4th WORKSHOP of GRADUATES and POSTDOCS in CHEMICAL ENGINEERING SCIENCES, Patras, October 31 2018.
8. Konstantinos P. Papadopoulos, Rafailia Argyriou, Christina N. Economou, Athanasia G. Tekerlekopoulou and Dimitris V. Vayenas, "Ink Waste Treatment by Electrochemical Oxidation", 4th Seminar of Postgraduate and Postdoctoral Studies in Chemical Engineering, October 31, 2018, Patras.
9. T. Tatoulis, A.G. Tekerlekopoulou, C.S. Akrotos, D.V. Vayenas D., Processing and Utilization of Agro-Industrial Waste, Workshop on the Cyclical Economy, Department of Environmental and Natural Resources Management, 21 November 2018.
10. C. Genethliou, M. Papayianni, D. Giannakis, I. E. Triantaphyllidou, A. Tekerlekopoulou, D. Vayenas, Removal of $\text{NH}_4^+\text{-N}$ from sanitary landfill leachates using adsorption process. 5th distance education e-learning Summer School on "Wastewater and Biosolids Management" (WWSS19), 22-27 Ιουλίου, 2019.
11. K.P. Papadopoulos, C. N. Economou, M. Moustaka-Gouni, A.G. Tekerlekopoulou, G. Aggelis, D.V. Vayenas, Biotreatment of Brewery Wastewater Using the Filamentous Cyanobacterium *Leptolyngbya* sp. 5th distance education e-learning Summer School on "Wastewater and Biosolids Management" (WWSS19), 22-27 Ιουλίου, 2019.
12. A.K. Benekos, M. Tsigara, S. Zacharakis, S. Lyristi, A.G. Tekerlekopoulou, D.V. Vayenas, Denitrification of potable water using biological and electrochemical

- method. 5th distance education e-learning Summer School on "Wastewater and Biosolids Management" (WWSS19), 22-27 Ιουλίου, 2019.
13. C. Genethliou, D. Giannakis, M. Papayianni, A. Stamatakis, I. E. Triantaphyllidou, A. G. Tekerlekopoulou and D. V. Vayenas, Study of NH_4^+ -N removal efficiency on sanitary landfill leachates in lab- and pilot-scale adsorption, 5th Workshop of Graduates & Post-Docs in Chemical Engineering Sciences Patras, 6 November 2019.
 14. Genethliou C., Giannakis D., Papayianni M., Triantaphyllidou I.E., Tekerlekopoulou A.G. and Vayenas D.V., Removal of NH_4^+ -N from sanitary landfill leachates using natural zeolite as adsorbent, 12^η Επιστημονική Διημερίδα ΙΤΕ, 15-16 Οκτωβρίου 2019.
 15. Papadopoulos K.P., Economou C.P., Moustaka-Gouni M., Tekerlekopoulou A.G. and Vayenas D.V., Biotreatment of Brewery Wastewater Using the Filamentous Cyanobacterium *Leptolyngbya* sp., 12^η Επιστημονική Διημερίδα ΙΤΕ, 15-16 Οκτωβρίου 2019.
 16. Patrino V., Tsolcha O., Oikonomou Ch., Vagenas D., Tekerlekopoulou AG (2021), "Treatment of agroindustrial wastewater using microalgae / cyanobacteria", Research Infrastructure for Waste Utilization and Sustainable Natural Resources Management (INVALOR): Utilization of Industrial and agroindustrial waste and byproducts Novel Production of High Value Added, Workshop INVALOR, 29 March 2021.
 17. Papadopoulos K., Oikonomou Ch., Tekerlekopoulou AG, Vagenas D. (2021), "Treatment and utilization of waste streams using photosynthetic microorganisms", Research Infrastructure for Waste Utilization and Sustainable Natural Resources Management (INAL Natural Resources) : Utilization of Industrial and Agricultural Waste and By-Products for the Production of New High Value Added Materials,, INVALOR Conference, March 29, 2021.

Γ.3. BOOK CHAPTERS AND HONORARY PUBLICATION

2013

1. A.G. Tekerlekopoulou, K. Karanasios, D.V. Vayenas, (2013) "Attached growth systems for potable water" Honorary publication for Themistokli Lekka, pages 17-30.
2. M. Michailides, E. Herouvim, C.S. Akratos, **A.G. Tekerlekopoulou**, D.V. Vayenas, (2013) "Biological treatment of olive mill waste" Honorary publication for Themistokli Lekka, pages 153-164.

2017

3. **A.G. Tekerlekopoulou**, C.S. Akratos, D.V. Vayenas (In Press-2017). Chapter 7. Integrated Biological Treatment of Olive Mill Waste Combining Aerobic Biological Treatment, Constructed Wetlands and Composting In: Galanakis, C.M. (Ed.), Olive Mill Waste: Recent advances for the Sustainable Management. Elsevier Inc.: Waltham.
4. C.S. Akratos, **A.G. Tekerlekopoulou**, I.A. Vasialiadou, D.V. Vayenas (In Press-2017). Chapter 8. Co-Composting of Olive Mill Waste for the Production of Soil Amendments In: Galanakis, C.M. (Ed.), Olive Mill Waste: Recent advances for the Sustainable Management. Elsevier Inc.: Waltham.

2018

1. F. Masi, A. Rizzo, R. Bresciani, D. Vayenas, C. Akratos, **A. Tekerlekopoulou** and A.I. Stefanakis. Chapter 8 (pp. 165-173). Olive Mill Wastewater Treatment in Constructed Wetlands In: Stefanakis A. (Ed.), Constructed Wetlands for Industrial Wastewater Treatment. Wiley-Blackwell.
2. Christos S. Akratos, Dion van Oirschot, **Athanasia G. Tekerlekopoulou**, Dimitrios V. Vayenas and Alexandros Stefanakis. Chapter 9 (pp. 175-198). Dairy Wastewater Treatment with Constructed Wetlands: Experiences from Belgium, the Netherlands and Greece In: Stefanakis A. (Ed.), Constructed Wetlands for Industrial Wastewater Treatment. Wiley-Blackwell.
3. C.S. Akratos, **A.G. Tekerlekopoulou**, D.V. Vayenas. Chapter 16 (pp. 327-338). Treatment of Wastewater from Tanneries and the Textile Industry using

Constructed Wetland Systems In: Stefanakis A. (Ed.), Constructed Wetlands for Industrial Wastewater Treatment. Wiley-Blackwell.

2019

4. **Tekerlekopoulou A.**, Econonou C., Tatoulis T., Akrotos C. and Vayenas D., Chapter 12. "Wastewater treatment and water reuse in the food industry", In Charis Galanakis (Ed.), The Interaction of Food Industry and Environment. Elsevier.

I.5. VISITING RESEARCHER

1. Visiting researcher: From 25 August to 15 September (2014), to the Water Laboratory of the Department of Water Management, Section Sanitary Engineering, at Delft University of Technology, Faculty of Civil Engineering and Geosciences. Prof. **Dr Ir. Luuk C. Rietveld**.

8. SCHOLARSHIPS/AWARDS

1. 1992-1997. Postgraduate **scholarship** from **State Scholarship Foundation** for 5 years.
2. 1995-1996. **Award** from Technical Chamber of Greece
3. 2002-2005. **Scholarship**: "Study of the mechanisms of biological removal of pollutants from potable water using trickling filters", 2002-2005, HERAKLITOS - Operational Program for Education and Initial Vocational Training of the Hellenic Ministry of Education under the 3rd Community Support Framework and the European Social Fun
4. 2011. Hellenic Federation of Enterprises/Eurobank competition "Greece Innovates" for applied research and innovation. Distinction in the category "innovation" for the design and operation of the biological filter for potable water in the village of New Vouprasio, Achaia, Greece.

9. WORKSHOP ORGANIZATION

1. Member of the organizing committee in the workshop “Integrated Solid Waste Management in the Prefecture of Aitoloakarnania” of the Department of Environmental and Natural Resources Management and Hellenic Technical Chamber Aitoloakarnania branch, Agrinio, 05-04-2003.

10. RESEARCH PROGRAMMES

1. Restructuring of the undergraduate course studies of the department of Environmental and Natural Resources Management, University of Ioannina, 2003-2008, EPEAEK II (452,000€), Scientific contribution.
2. Study of the mechanisms of biological removal of pollutants from potable water using trickling filters, 2002-2005, HERAKLITOS -Operational Program for Education and Initial Vocational Training of the Hellenic Ministry of Education under the 3rd Community Support Framework and the European Social Fund (34,017 €), Scientific contribution.
3. Spin-off preparation for the commercial exploitation of a biological filter for potable water treatment, 2006-2008, General Secretariat of Research and Technology, Greece (60,000 €), Scientific contribution.
4. Development of a sustainable and integrated system for bio-diesel production from energy crops, 2007-2009, INTERREG IIIA GREECE-ITALY 2000-2006, (40,750 €). Scientific contribution.
5. Operational Program "Education and Lifelong Learning" of the National Strategic Reference Framework (NSRF) - Research Funding Program: THALIS. Investing in knowledge society through the European Social Fund 2012-2015, (600,000 €), Scientific contribution
6. Special Actions AQUACULTURE - INDUSTRIAL MATERIALS - OPEN INNOVATION IN CULTURE, "Isolation of microalgae native of the Ionian Sea and their use in the production of high added value products, IonianAlgae, (2019-2022) (199.908.12 €). Scientific contribution.

7. Special Actions AQUACULTURE - INDUSTRIAL MATERIALS - OPEN INNOVATION IN CULTURE, «Large scale cultivation of microalgae and utilization of the biomass produced as alternative raw material in fish feed», AlgaFeed4Fish (2019-2022) (199.985.77 €), Scientific coordinator & contribution.