

Curriculum Vitae

GENERAL INFORMATION

Name/Surname: Spyridon Ntougias
Work Position: Associate Professor
Work Address: Department of Environmental Engineering, Democritus University of Thrace, Vas. Sofias 12, Xanthi, Greece.
Tel.: (0030) 2541079313; email: ntougia@env.duth.gr

QUALIFICATIONS

1995-1999	Ph.D. Degree, Department of Biological Sciences, Wye College, University of London.
1990-1995	B.Sc. in Chemistry, Department of Chemistry, University of Athens. Oenological Education Program, Department of Chemistry, University of Athens.

WORK & RESEARCH EXPERIENCE

10/1995 - 5/1999	Ph.D. Degree, University of London, Wye College, Department of Biological Sciences (Supervisor: Professor N. J. Russell, Imperial College). <i>Ph.D. thesis:</i> "Alkaliphilic bacteria from edible olives".
17/9/2001 - 31/3/2002 & 1/6/2002 - 28/2/2005 & 9/3/2005 - 7/1/2009	Scientific staff, Institute of Kalamata, National Agricultural Research Foundation of Greece (NAGREF).
Academic year 2001/02 - February 2008	Scientific Fellow, Lecturing in the Technological Institute of Kalamata.
January 2009 - Present	Lecturer (Jan. 2009-Aug. 2013), Assistant Professor (Aug. 2013-Aug. 2018) and Associate Professor (Aug. 2018 – present) in Environmental Microbiology, Department of Environmental Engineering, Democritus University of Thrace.

PARTICIPATION IN RESEARCH PROGRAMMES/PROJECTS

17/09/2001 - 31/03/2002	"Integrated production and postharvesting management of figs", funded by the SIKIKI cooperative, Kalamata, Greece.
01/06/2002 - 28/02/2005	"Recycling horticultural wastes to produce pathogen suppressant composts for sustainable vegetable crop production-RECOVEG", funded by the E.U. (3-year research program, 5 th framework, Quality of Life and Management of Natural Resources No QLRT-2000-01458).
27/05/2003 - 26/05/2005	"Integrated treatment and remediation of recalcitrant agricultural and industrial wastes with high content in polyphenolics and dyes", Joint Research and Technology Programme (Ministry of Education, Youth and Sports of the Czech Republic-Greek General Secretariat of Research and Technology, ME686).
09/03/2005 - 30/09/2007	"Biological Treatment and Valorization of Olive Mill Wastewaters: Mechanisms and Integrated Applications", EPAN FP

66, 3-year research program co-funded by the E.U. (75%) and the Greek Ministry of Development Secretariat for Research and Technology (25%), through the Operational Programme Competitiveness.

23/03/2009 - 23/03/2012	“Determination of microbial population in municipal and agroindustrial wastewaters”, KE 80268, funded by the National Technical Chamber of Greece (Coordinator: Spyridon Ntougias).
26/06/2009 - 31/12/2011	“Technical support to the Municipality of Moudania to solve the operational problems of the wastewater treatment plants of the Municipality”, KE 80028, funded by the Municipality of Moudania.
03/02/2011 - 30/9/2012	“Optimization of anaerobic and aerobic wastewater treatment plants of TYR.A.S. S.A. and scientific and technical education of company employees on Biochemical Environmental Engineering”, KE 80696, funded by TYR.A.S. S.A.
27/10/2011 – 26/10/2014	“Characterization of microorganisms isolated from environmental samples”, KE 80848, funded by the National Technical Chamber of Greece (Coordinator: Spyridon Ntougias).
23/04/2013 - 30/09/2014	“Scientific support of the company ‘Analytical Laboratory’s of Athens S.A.’ during the drinking water monitoring programme of the municipality of Thasos”, KE 81194, funded by Analytical Laboratories of Athens S.A.
15/05/2013 - 20/02/2014	“Support of the intermunicipal public enterprise for waste management of the 2 nd Administrative Regional Unit Chalkidiki for the treatment optimization of the Anthemounta landfill leachate”, KE 81167, funded by 2 nd Administrative Regional Unit Chalkidiki, Greece.
17/06/2014 - 16/06/2015	“Scientific support of the company "ANALYTICAL LABORATORIES OF ATHENS S.A." during the drinking water monitoring programme of the municipality of Thasos”, KE 81382, funded by Analytical Laboratories of Athens S.A.
07/04/2014 - 06/10/2014	“Optimization of microbial analyses in dairy industry Rodopi S.A.”, KE 81370, funded by RODOPI S.A. (Coordinator: Spyridon Ntougias).
15/01/2014 - 30/06/2015	“Pilot-scale investigation on coagulation-floculation and ultrafiltration to upgrade leachate treatment of Anthemounta landfill”, KE 81288, funded by 2 nd Administrative Regional Unit Chalkidiki, Greece
07/03/2014 - 06/03/2017	“Identification of microbial communities during wastewater treatment of landfill leachates in membrane bioreactors”, KE 81341, funded by the National Technical Chamber of Greece (Coordinator: Spyridon Ntougias).
06/08/2014 - 22/10/2014	“ENERGEIA – Fostering the use of low temperature geothermal sources through the development of operational exploitation guidelines and green energy solutions of enterprising”, KE 81270, funded by INTERREG IV (EUROPEAN TERRITORIAL Co-operation) Greece – Bulgaria 2007-2013; funded by the EU and national funds.
23/12/2014 - 22/12/2015	“Cultivation of the medfly gut symbiont <i>Enterobacter</i> sp. AA26 in a suspension bioreactor for mass rearing and sterile insect technique

	application”, KE 81497, funded by International Atomic Energy Agency - IAEA (Coordinator: Spyridon Ntougias)
22/09/2015 - 21/05/2016 & 08/06/2016 - 20/06/2016	“Scientific support of the company ERGASIS TECHNIKI SA by optimizing the operation of the biological treatment plant treating the leachate of the solid waste landfill of EDESSA, KE 81631, funded by ERGASIS TECHNIKI S.A.
23/12/2015 - 31/05/2017	“Cultivation of the medfly gut symbiont <i>Providencia</i> sp. AA1 in a suspension bioreactor for mass rearing and sterile insect technique application, KE 81664, funded by International Atomic Energy Agency - IAEA (Coordinator: Spyridon Ntougias)
25/05/2016 - 08/01/2017 & 15/02/2017 - 15/03/2017	Scientific support to the company "Hydrochimiki-Tsolakis N. & Co S.A." to treat and manage the leachate of the solid waste landfill of Komotini, KE 81732, funded by Hydrochimiki-Tsolakis N. & Co S.A.
20/07/2016 - 19/03/2017	“Microbiological analyses of wastes: enumeration and characterization of microorganisms by culture-dependent and -independent approaches”, KE 81766, funded by Intergeo - Environmental Technology Ltd. (Coordinator: Spyridon Ntougias).
28/09/2016 - 27/03/2017	“Evaluation and control of sanitary sewer system problems of the Municipality of Monemvasia”, KE 81809, funded by Municipality of Monemvasia.
21/02/2017 - 20/04/2017	“Investigation of the filamentous index and the biological causal agent of bulking in an activated sludge system”, KE 81866 (Coordinator: Spyridon Ntougias).
26/04/2017 - 25/12/2017	Scientific support of the company "Hydrochimiki-Tsolakis N. and Co SA" to treat and manage the leachate of the solid waste landfill of KOMOTINI, KE 81897, funded by Hydrochimiki-Tsolakis N. & Co S.A.
Start: 01-07-2017 (for a period of 2 years)	Supervisor of Partner Organization DUTH - Dept. of Environmental Engineering: in MARIE SKŁODOWSKA-CURIE ACTION “Exploring Microbial networking in pesticides biodeGRAdation: novel inocula and biocatalysts for biodepuration of agro-industrial Effluents” EMIGRATE, H2020-MSCA-IF-2016 (EU funded – granted to D.G. Karpouzas, University of Thessaly).
15/03/2018-14/07/2019	Operational Program "Human Resource Development, Education and Lifelong Learning", NSRF 2014-2020, co-funded by the European Social Fund (ESF), MIS 5006203, Scientific Area 2, title of the project «Optimizing the energy recovery of waste from oranges juice industries using specialized native microorganisms as a starting culture» (Coordinator: Spyridon Ntougias).
28/06/2018-27/06/2021	“Development and implementation of novel biobased methods for the treatment of pesticide-contaminated wastewaters from agro-industries”, MIS 5030360”, Acronym «MINOTAUR», cofinanced by the European Union and Greek national funds through the Operational Program Competitiveness, Entrepreneurship and Innovation, under the call RESEARCH – CREATE – INNOVATE (project code: T1EDK-02566). (Coordinator: Spyridon Ntougias).
17/07/2019-16/12/2019	“Identification of filamentous microorganisms in the active sludge of a wastewater treatment plant”, KE 82335, funded by ALPHA

	Bioenergy Ltd (Coordinator: Spyridon Ntougias).
01/01/2019-31/12/2021	“Investigation of methods for controlling sludge production in wastewater treatment systems”, KE 82257, funded by E.T.A.A. (Coordinator: Spyridon Ntougias).

ACADEMIC/ LECTURING EXPERIENCE

B.Sc. Lecturing

Academic year 2008/09 – Present	Lecturing in the Department of Environmental Engineering, Democritus University of Thrace (Course title: “Environmental Microbiology”).
Academic year 2009/10 – Present	Lecturing in the Department of Environmental Engineering, Democritus University of Thrace (Course title: “Industrial Wastewater Treatment”).
Academic year 2014/15- present	Lecturing in the Department of Environmental Engineering, Democritus University of Thrace (Course title: “Biology-Ecology”).
Academic year 2009/10- Academic year 2013/14	Lecturing in the Department of Environmental Engineering, Democritus University of Thrace (Course title: “Transport Phenomena”).
Academic year 2013/14- Academic year 2017/18	Lecturing in the lab practicals of the course “Chemistry (analytical/aquatic)”, Department of Environmental Engineering, Democritus University of Thrace.
Academic year 2013/14- present	Lecturing in the lab practicals of the course “Wastewater Management and Treatment Technologies I”, Department of Environmental Engineering, Democritus University of Thrace.
Academic year 2019/20	Lecturing in the Department of Environmental Engineering, Democritus University of Thrace (Course title: “Microbial Ecology of Activated Sludge”).
Academic year 2001/02 – February 2008	<p>Scientific Fellow, Lecturing in the Technological Educational Institute of Kalamata. Lecturing of the courses:</p> <ul style="list-style-type: none"> - «Food Microbiology-Theory» during the spring semester of the academic year 2001-2002. - «Organic Chemistry-Theory» and «Organic Chemistry-Laboratory practicals» during the academic years 2001-2002 & 2002-2003. - «General and Inorganic Chemistry-Theory» during the academic year 2004-2005. - «General Microbiology- Laboratory practicals» during the academic years 2001-2002, 2003-2004, 2004-2005 & 2005-2006, and the winter semester of the academic year 2002-2003. - «Food Microbiology- Laboratory practicals» from the academic year 2002-2003 until the academic year 2006-2007 as well as during the spring semester of the academic year 2001-2002 and the winter semester of the academic year 2007-2008. - «Olive Processing Products - Laboratory practicals» during the

spring semester of the academic year 2002-2003.

M.Sc. Lecturing

Academic year 2009/10- Academic year 2012/13	Lecturing in the Department of Environmental Engineering, Democritus University of Thrace in the frame of the M.Sc. programme “Environmental Engineering and Science” (Course titles: “Microbiology” & “Special Issues in Environmental Microbiology”).
Academic year 2013/14- present	Lecturing in the Department of Environmental Engineering, Democritus University of Thrace in the frame of the M.Sc. programme “Environmental Engineering and Science” (Course title: “Environmental Microbiology”).
Academic year 2013/14- present	Lecturing in the Department of Environmental Engineering, Democritus University of Thrace in the frame of the MSc programme “The Technologies of Environmental Legislation”.
Academic years 2015/16 & 2016/17	Lecturing in the Department of Environmental Engineering, Democritus University of Thrace in the frame of the M.Sc. programme “Environment and Behavior”.
Academic year 2016/17 & 2017/18 (2 nd Semester)	Lecturing in the Department of Agricultural Development, Democritus University of Thrace in the frame of the MSc programme «Sustainable Production Systems and Environment in Agriculture»
Academic year 2018/19	Lecturing of the course «Wastewater Management» in the frame of the M.Sc. programme «Waste Management», Hellenic Open University.
Academic year 2018/19 & 2019/20	Supervisor of theses in the frame of the M.Sc. programme «Waste Management», Hellenic Open University.

Ph.D. supervision

i) Ph.D. graduates

Nikolaos Remmas, Ph.D. graduate (awarded 2016), title of thesis: “Investigation of landfill leachates’ microbial population and biodegradability.”

ii) Ph.D. candidates

Zografina Mavriou, Ph.D. Candidate, title of thesis: “Investigation of microbial degradation of postharvest fungicides applied in fruit processing industry in bioreactor systems»

Ioannis Stavrakakis, Ph.D. Candidate, title of thesis: «Investigation of microbial communities during implementation of engineering approaches for the reduction of excess sludge produced in wastewater treatment plants»

Ioanna Zerva, Ph.D. Candidate, title of thesis: “Identification of phylogenetic and metabolic diversity of microbial communities involved in the degradation of wastes derived from agro-processing industries”.

Efstathia Navrozidou, Ph.D. Candidate, title of thesis: “Investigation of microbial communities capable of degrading micropollutants”.

Despoina Soutani, Ph.D. Candidate, title of thesis: “Investigation of microbial communities’ succession during biological degradation of agro-industrial wastewaters”.

Member of Ph.D. Supervisory Committees

Lanara M. (2015). Department of Environmental and Natural Resources Management, University of Patras.

Eftaxias A. (2016). Department of Environmental Engineering, Democritus University of Thrace.

Asteriades J. (2017). Department of Environmental Engineering, Democritus University of Thrace.

Member of Ph.D. Thesis Examining Committees

Remmas N. (2016). Investigation of landfill leachate microbial population and biodegradability. Department of Environmental Engineering, Democritus University of Thrace <https://www.didaktorika.gr/eadd/handle/10442/39585>

Marmanis D. (2015). Electrochemical treatment of industry wastewaters by capacitive deionization, electrocoagulation and electrooxidation. Department of Environmental Engineering, Democritus University of Thrace

Athanasoulia E. (2014). Process development for anaerobic co-digestion of agro-industrial wastewaters with sewage sludge from biological WWTP and by-products utilization. Department of Environmental Engineering, Democritus University of Thrace (<http://83.212.168.214/jspui/handle/123456789/1658?mode=more>)

Perruchon C. (2014). Isolation and study of bacteria able to degrade pesticides contained in the wastewaters produced by the fruit-packaging industry. Department of Biochemistry and Biotechnology, University of Thessaly (<http://phdtheses.ekt.gr/eadd/handle/10442/34557>)

Alexandropoulou I. (2013), Detection and epidemiological investigation of legionella presence in aquatic environment. Department of Medicine, Democritus University of Thrace (<http://www.didaktorika.gr/eadd/handle/10442/29373>) DOI: 10.12681/eadd/29373

Katsaveli A. (2012). Prokaryotic diversity in the extreme environment of a solar saltern and in industrial wastewaters. Department of Environmental and Natural Resources Management, University of Western Greece (<http://phdtheses.ekt.gr/eadd/handle/10442/26584>) (DOI: 10.12681/eadd/26584)

Zafiriadis I. (2011). Contribution to understand biochemical mechanisms of the enhanced biological phosphorus removal and investigation of the microbial diversity during the tertiary wastewater treatment. Department of Environmental Engineering, Democritus University of Thrace (<http://www.didaktorika.gr/eadd/handle/10442/31755>)

Papadopoulos F. (2011). Septage treatment using stabilisation ponds. Department of Environmental Engineering, Democritus University of Thrace (<http://phdtheses.ekt.gr/eadd/handle/10442/27211>) (DOI: 10.12681/eadd/27211)

Stefanakis A. (2011). Design parameter optimization of vertical flow constructed wetlands for wastewater treatment and wastewater sludge dewatering using pilot-scale units. Department of Environmental Engineering, Democritus University of Thrace (<http://phdtheses.ekt.gr/eadd/handle/10442/27086>) (DOI: 10.12681/eadd/27086)

Mathioudakis, V. (2010). Odor control in sewer networks by nitrate addition. Department of Environmental Engineering, Democritus University of Thrace (<http://www.didaktorika.gr/eadd/handle/10442/19744>) (DOI: 10.12681/eadd/19744) & <http://thesis.ekt.gr/thesisBookReader/id/19744#page/8/mode/2up>)

Supervision of M.Sc. theses

I. M.Sc. programme “Environmental Engineering and Science”, Department of Environmental Engineering, Democritus University of Thrace.

II. M.Sc. Programme “The Technologies of Environmental Legislation”, Department of Environmental Engineering, Democritus University of Thrace.

III. M.Sc. Programme “Environment and Behavior”, Department of Environmental Engineering, Democritus University of Thrace.

IV. M.Sc. Programme «Waste Management», Hellenic Open University.

Supervision of B.Sc. theses

A. Supervision of B.Sc. theses in the Department of Environmental Engineering, Democritus University of Thrace

B. Supervision of B.Sc. theses in the Technological Educational Institute of Kalamata

Other activities

Examiner of B.Sc. and M.Sc. theses.

Participation as student’s Supervisor in the Practical Student Training Program, Department of Environmental Engineering, Democritus University of Thrace.

RESEARCH RECOGNITION: PARTICIPATION IN SCIENTIFIC COMMITTEES, EDITORIAL AND REVIEW ACTIVITIES

Years 2015-2019: Member of the Board of Directors of Greek Microbiological Society “MIKROBIOKOSMOS” (Member of Federation of European Microbiological Societies-FEMS).

Associate Editor of “Frontiers in Microbiology” journal.

Associate Editor of “Annals of Microbiology” journal (Springer).

Guest Editor of “Water” journal

Guest Editor of “Biomed Research International” journal.

Reviewer of: *African Journal of Agricultural Research*, *African Journal of Biotechnology*, *African Journal of Microbiology*, *Annals of Applied Biology*, *Annals of Microbiology*, *Applied Sciences*, *Archives of Agronomy and Soil Science*, *Arid Land Research and Management*,

Biodegradation, Biomed Research International, Bioprocess and Biosystems Engineering, Bioresource Technology, BMC Microbiology, Catalysis Today, Chemosphere, Current Microbiology, Desalination and Water Treatment, Electronic Journal of Biotechnology, Environmental Engineering and Management Journal, Environment International, Environmental Microbiology Reports, Environmental Pollution, Environmental Processes, Environmental Science and Pollution Research, Environments, Energies, Energy Conversion and Management, Folia Microbiologica, Food Microbiology, Fresenius Environmental Bulletin, Future Microbiology, Global NEST Journal, Global Research Journal of Microbiology, Israel Journal of Plant Sciences, Intercontinental Journal of Microbiology, International Journal of Biological Macromolecules, International Journal of Biological Macromolecules, International Journal of Energy and Environmental Engineering, International Journal of Environmental Health Research, International Journal of Environmental Research and Public Health, International Journal of Food Microbiology, International Journal of Medicinal Mushrooms, International Journal of Systematic and Evolutionary Microbiology, ISABB Journal of Food and Agricultural Sciences, Journal Food and Agriculture, Journal of Applied Microbiology, Journal of Biological Research, Journal of Chemical Technology and Biotechnology, Journal of Ecology and the Natural Environment, Journal of Environmental Management, Journal of Environmental Sciences and Health Part A, Journal of Environmental Sciences, Journal of Environmental Health Science and Engineering, Journal of Food Science, Journal of Hazardous Materials, Journal of Marine Biology, Journal of Microencapsulation, Journal of Oceanology and Limnology, Journal of Soil Science and Plant Nutrition, Journal of Soils and Sediments, Land Degradation & Development, Letters in Applied Microbiology, Life, Materials, Microbial Ecology, Microorganisms, Polish Journal of Environmental Studies, Processes, Process Safety and Environmental Protection, Renewable Energy, Science of the Total Environment, Scientia Horticulturae, Sustainability, Trends in Biotechnology, Waste and Biomass Valorization, Waste Management, Water, Water Research, Water Science and Technology, World Journal of Microbiology and Biotechnology, WST: Water Supply.

Member of the Scientific Committee of the Conference «Asset management for enhancing energy efficiency in water and wastewater systems», IWA, 24-26 April 2013, Marbella, Spain (<http://iceam2013.es/asset/index.php?idpagina=15&idioma=ang>).

Member of the Scientific Committee of the “3rd Joint Conference EYE-EEDYP-EYS on Integrated Water Resources Management in the New Era” (<http://3rd-conference.waterinfo.gr/>)

Secretary of the Organizing Committee of the 6th Mikrobiokosmos Conference (3-5 April 2015, Athens, Greece). (<http://mikrobiokosmos6.aua.gr/en/node/8>)

Member of the Scientific Committee of the 7th Mikrobiokosmos Conference (7-9 April 2017, Athens, Greece). (<http://mikrobiokosmos7.org/>)

Member of the Scientific Committee of the 7th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2019) and SECOTOX Conference (19-24 May, Mykonos, Greece). (<http://cemepe7.civil.auth.gr/>)

Participation in the last edition of “Bergey's Manual of Systematic Bacteriology”, describing the genus *Alkalibacterium*.

Participation in the last edition of “Bergey's Manual of Systematic Bacteriology”, describing the genus *Halotalea*.

External project evaluator of “Greek General Secretariat of Research and Technology”.

External project evaluator of ANR (The French National Research Agency - <http://www.agence-nationale-recherche.fr/en/>)

PATENT

Papadopoulou, K. K., Kavroulakis, N., **Ntougias, S.**, Zervakis, G. I., Ehaliotis, C. (2009). The fungus *Fusarium solani* strain 'Fs-K' and its use in the biological control of plant pathogens and in the enhancement of plant growth and productivity (No 1006119 - GR2008/000057).

SCIENTIFIC PUBLICATIONS, INCLUDING MONOGRAPHS

A. Ph.D. THESIS, BOOKS & CHAPTER BOOKS

A1. Ntougias, S. (1999). Alkaliphilic bacteria from edible olives. Ph.D. thesis. Wye College, University of London.

A2. Ntougias, S. and Russell, N. J. (2009). The low G+C Gram-positive *Bacteria*-Genus *Alkalibacterium*, pp. 557-559. In: P. De Vos, G. Garrity, D. Jones, N. R. Krieg, W. Ludwig, F. A. Rainey, K. –H. Schleifer and W. B. Whitman (eds.), editor-in-chief G. Garrity, vol. 3. Bergey's Manual of Systematic Bacteriology. Springer, New York, **ISBN 0-387-95041-9**.

A3. Ntougias, S.* and Kavroulakis N. (Pub. Date: 2010 4th quarter). Natural antioxidants from olive mill wastes, pp. 1-21. In: Olive Oil and Health, J.D. Corrigan (ed.). Nova publishers, New York, **ISBN: 978-1-61761-170-4** (*After invitation to S. Ntougias).

A4. Ntougias, S., Aivasidis, A. and Melidis, P. (2012). Environmental Microbiology. Embryo Publications, Athens, Greece, **ISBN 978-960-8002-66-1** (In Greek).

A5. Nikolaou, E. I. and Ntougias, S. (2013). A framework to assist firms in evaluating environmental and microbiological risks arising from the implementation of environmental policy throughout their supply chain, pp. 107-128. In: Environmental Policy: Management, Legal Issues and Health Aspects, E. Creighton and P. Danovich (eds). Environmental Research Advances Series, Nova Publishers, New York, **ISBN: 978-1-62808-496-2**.

B. REFEREED JOURNALS

(Scholar: *H_{index}*: 24, citations: 1578 / Scopus: *H_{index}*: 21, heterocitations: 1024)

B1. Ntougias, S. and Russell, N. J. (2000). *Bacillus* sp. WW3-SN6, a novel facultatively alkaliphilic bacterium isolated from the washwaters of edible olives. *Extremophiles* **4**, 201-208.

B2. Ntougias, S. and Russell, N. J. (2001). *Alkalibacterium olivoapovliticus* gen. nov., sp. nov., a new obligately alkaliphilic bacterium isolated from edible-olive wash-waters. *International Journal of Systematic and Evolutionary Microbiology* **51**, 1161-1170.

- B3. Ntougias, S.**, Zervakis, G. I., Kavroulakis, N., Ehaliotis, C. and Papadopoulou, K. K. (2004). Bacterial diversity in spent mushroom compost assessed by amplified rDNA restriction analysis and sequencing of cultivated isolates. *Systematic and Applied Microbiology* **27**, 746-754.
- B4.** Kavroulakis, N., Ehaliotis, C., **Ntougias, S.**, Zervakis, G. I. and Papadopoulou, K. K. (2005). Local and systemic resistance against fungal pathogens of tomato plants elicited by a compost derived from agricultural residues. *Physiological and Molecular Plant Pathology* **66**, 163-174.
- B5. Ntougias, S.**, Ehaliotis, C., Papadopoulou, K. K. and Zervakis, G. I. (2006). Application of respiration and FDA-hydrolysis measurements for estimating microbial activity during composting processes. *Biology and Fertility of Soils* **42**, 330-337.
- B6. Ntougias, S.***, Zervakis, G. I., Ehaliotis, C., Kavroulakis, N. and Papadopoulou, K. K. (2006). Ecophysiology and molecular phylogeny of bacteria isolated from alkaline two-phase olive mill wastes. *Research in Microbiology* **157**, 376-385.
- B7.** Baldrian, P., Zervakis, G. I., Merhautová, V., **Ntougias, S.**, Ehaliotis, C. and Nerud, F. (2006). The use of hydroxyl-radical-generating systems for the treatment of Olive Mill Wastewaters (OMW). *Folia Microbiologica* **51**, 337-341.
- B8.** Kavroulakis, N., Papadopoulou, K. K., **Ntougias, S.**, Zervakis, G. I. and Ehaliotis, C. (2006). Cytological and other aspects of pathogenesis-related gene expression in tomato plants grown on a suppressive compost. *Annals of Botany* **98**, 555–564.
- B9. Ntougias, S.**, Fasseas, C. and Zervakis, G. I. (2007). *Olivibacter sitiensis* gen. nov., sp. nov., isolated from alkaline olive-oil mill wastes in the region of Sitia, Crete. *International Journal of Systematic and Evolutionary Microbiology* **57**, 398-404.
- B10. Ntougias, S.***, Zervakis, G. I. and Fasseas, C. (2007). *Halotalea alkalilenta* gen. nov., sp. nov., a novel osmotolerant and alkalitolerant bacterium from alkaline olive mill wastes, and emended description of the family *Halomonadaceae* Franzmann *et al.* 1989, emend. Dobson & Franzmann 1996. *International Journal of Systematic and Evolutionary Microbiology* **57**, 1975-1983.
- B11.** Kavroulakis, N., **Ntougias, S.**, Zervakis, G. I., Ehaliotis, C., Haralampidis, K. and Papadopoulou, K. K. (2007). Role of ethylene in the protection of tomato plants against soil-borne fungal pathogens conferred by an endophytic *Fusarium solani* strain. *Journal of Experimental Botany* **58**, 3853–3864.
- B12. Ntougias, S.**, Papadopoulou, K. K., Zervakis G. I., Kavroulakis N. and Ehaliotis, C. (2008). Suppression of soil-borne pathogens of tomato by composts derived from agro-industrial wastes abundant in Mediterranean regions. *Biology and Fertility of Soils* **44**, 1081-1090.
- B13.** Tsiamis, G., Katsaveli, K., **Ntougias, S.**, Kyrpides, N., Andersen, G., Piceno, Y. and Bourtzis, K. (2008). Prokaryotic community profiles at different operational stages of a Greek solar saltern. *Research in Microbiology* **159**, 609-627.

- B14.** Kavroulakis, N., **Ntougias, S.**, Besi, M. I., Katsou, P., Damaskinou, A., Ehaliotis, C., Zervakis, G. I. and Papadopoulou, K. K. (2010). Antagonistic bacteria of composted agro-industrial residues exhibit antibiosis against soil-borne fungal plant pathogens and protection of tomato plants from *Fusarium oxysporum* f.sp. *radicis-lycopersici*. *Plant and Soil* **333**, 233-247.
- B15.** Karpouzas D. G., **Ntougias, S.**, Iskidou, E., Rousidou, C., Papadopoulou, K. K., Zervakis, G. I. and Ehaliotis, C. (2010). Olive mill wastewater affects the structure of soil bacterial communities. *Applied Soil Ecology* **45**, 101-111.
- B16.** **Ntougias, S.**, Kavroulakis, N., Papadopoulou, K. K., Ehaliotis, C. and Zervakis G. I. (2010). Characterisation of cultivated fungi isolated from grape marc wastes through the use of amplified rDNA restriction analysis and sequencing. *Journal of Microbiology* **48**, 297-306.
- B17.** Zafiriadis, I., **Ntougias, S.**, Nikolaidis, C., Kapagiannidis, A.G. and Aivasidis, A. (2011). Denitrifying Polyphosphate Accumulating Organisms population and nitrite reductase gene diversity shift in a DEPHANOX-type activated sludge system fed with municipal wastewater. *Journal of Bioscience and Bioengineering* **111**, 185-192.
- B18.** **Ntougias, S.***, Tanasidis, S. and Melidis, P. (2011). Microfaunal indicators, Ciliophora phylogeny and protozoan population shifts in an intermittently aerated and fed bioreactor. *Journal of Hazardous Materials* **186**, 1862-1869.
- B19.** Kavroulakis, N. and **Ntougias, S.*** (2011). Bacterial and β -proteobacterial diversity in *Olea europaea* var. *mastoidis*- and *O. europaea* var. *koroneiki*-generated olive mill wastewaters: influence of cultivation and harvesting practice on bacterial community structure. *World Journal of Microbiology and Biotechnology* **27**, 57–66.
- B20.** Komilis, D., Kontou, I., and **Ntougias, S.** (2011). A modified static respiration assay and its relationship with an enzymatic test to assess compost stability and maturity. *Bioresource Technology* **102**, 5863-5872.
- B21.** Ouzounidou G., **Ntougias S.**, Asfi M., Gaitis F. and Zervakis G.I. (2012). Raw and fungal-treated olive-mill wastewater effects on selected parameters of lettuce (*Lactuca sativa* L.) growth – The role of proline. *Journal of Environmental Science and Health, Part B: Pesticides, Food Contaminants, and Agricultural Wastes* **47**, 728-735.
- B22.** Zafiriadis, I., **Ntougias, S.**, Mirelis, P., Kapagiannidis, A.G. and Aivasidis, A. (2012). Molecular characterization of denitrifying bacteria isolated from the anoxic reactor of a modified DEPHANOX plant performing enhanced biological phosphate removal. *Water Environment Research* **84**, 475-484.
- B23.** **Ntougias, S.*** (2012). Alkaliphilic Lactic Acid Bacteria: Novel Sources for Genetic Engineering and Biotechnology. *Gene Technology* **1**, e102. (<http://dx.doi.org/10.4172/gnt.1000e102>).
- B24.** **Ntougias, S.**, Baldrian, P., Ehaliotis, C., Nerud, F., Antoniou, T., Merhautová, V. and Zervakis, G. I. (2012). Biodegradation and detoxification of olive mill wastewater by selected strains of the mushroom genera *Ganoderma* and *Pleurotus*. *Chemosphere* **88**, 620-626.

- B25.** Diamantis, V., Khan, A., **Ntougias, S.**, Stamatelatou, K., Kapagiannidis, A.G., Aivasidis, A. (2013). Continuous biohydrogen production from fruit wastewater at low pH conditions. *Bioprocess and Biosystems Engineering* **36**, 965-974.
- B26.** **Ntougias, S.**, Gaitis, F., Katsaris, P., Skoulika, S., Iliopoulos, N., Zervakis, G.I. (2013). The effects of olives harvest period and production year on olive mill wastewater properties - Evaluation of *Pleurotus* strains as bioindicators of the effluent's toxicity. *Chemosphere* **92**, 399-405.
- B27.** Diamantis V.I., Anagnostopoulos K., Melidis P., **Ntougias S.** and Aivasidis A. (2013) Intermittent operation of low pressure UF membranes for sewage reuse at household level. *Water Science & Technology* **68**, 799-806.
- B28.** **Ntougias, S.**, Bourtzis, K. and Tsiamis, G. (2013). The microbiology of olive mill wastes. *Biomed Research International* art. no. 784591.
- B29.** Zafiriadis, I., **Ntougias, S.**, Kapagiannidis, A.G. and Aivasidis, A. (2013). Metabolic behavior and enzymatic aspects of denitrifying EBPR sludge in a continuous-flow anaerobic–anoxic system. *Applied Biochemistry and Biotechnology* **171**, 939-953.
- B30.** **Ntougias, S.*** (2014). Phylogeny and ecophysiological features of prokaryotes isolated from temporary saline tidal pools. *Annals of Microbiology* **64**, 599-609.
- B31.** Diamantis, V.I., Kapagiannidis, A.G., **Ntougias, S.**, Tataki, V., Melidis, P. and Aivasidis, A. (2014). Two-stage CSTR-UASB digestion enables superior and alkali addition-free cheese whey treatment. *Biochemical Engineering Journal* **84**, 45-52.
- B32.** Zervakis, G.I., **Ntougias, S.**, Gargano, M.L., Besi, M.I., Polemis, E., Typas, M.A. and Venturella, G. (2014). A reappraisal of the *Pleurotus eryngii* complex - New species and taxonomic combinations based on the application of a polyphasic approach, and an identification key to *Pleurotus* taxa associated with Apiaceae plants. *Fungal Biology* **118**, 814-834.
- B33.** **Ntougias, S.**, Lapidus, A., Han, J., Mavromatis, K., Pati, A., Chen, A., Klenk, H.-P., Woyke, T., Fasseas, C., Kyrpides, N.C. and Zervakis, G.I. (2014). High quality draft genome sequence of *Olivibacter sitiensis* type strain (AW-6^T), a diphenol degrader with genes involved in the catechol pathway. *Standards in Genomic Sciences* **9**, 783-793.
- B34.** Melidis, P., Kapagiannidis, A.G., **Ntougias, S.**, Davididou, K. and Aivasidis, A. (2014). Performance and metabolic aspects of a novel enhanced biological phosphorus removal system with intermittent feeding and alternate aeration. *Water Science and Technology* **69**, 1612-1619.
- B35.** Papadelli, M. and **Ntougias, S.*** (2014). Microbial community structure and disposal issues of table olive wastewaters generated from the fermentation of the olive cultivar 'Kalamon'. *Annals of Microbiology* **64**, 1483–1492.
- B36.** Melidis, P., **Ntougias, S.** and Sertis, C. (2014). On-line monitoring of a BNR process using in situ ammonium and nitrate probes and biomass nitrification-denitrification rates in an intermittently aerated and pulse fed bioreactor. *Journal of Chemical Technology and Biotechnology* **89**, 1516–1522.

- B37. Ntougias, S.***, Melidis, P., Navrozidou, E., Tzegkas, F. (2015). Diversity and efficiency of anthracene-degrading bacteria isolated from a denitrifying activated sludge system treating municipal wastewater. *International Biodeterioration & Biodegradation* **97**, 151-158.
- B38.** Alexandropoulou, I.G., **Ntougias, S.**, Konstantinidis, T.G., Parasidis, T.A., Panopoulou, M. and Constantinidis, T.C. (2015). Environmental surveillance and molecular epidemiology of waterborne pathogen *Legionella pneumophila* in health care facilities of Northeastern Greece: a four-year survey. *Environmental Science and Pollution Research* **22**, 7628-7640.
- B39. Ntougias, S.**, Baldrian, P., Ehalotis, C., Nerud, F., Merhautová, V., Zervakis G.I. (2015). Olive mill wastewater biodegradation potential of white-rot fungi – Mode of action of fungal culture extracts and effects of ligninolytic enzymes. *Bioresource Technology* **189**, 121-130.
- B40.** Perruchon, C., Batianis, C., Zouborlis, S., Papadopoulou, E.S., **Ntougias, S.**, Vasileiadis, S., Karpouzas, D.G. (2015). Isolation of a diphenylamine-degrading bacterium and characterization of its metabolic capacities, bioremediation and bioaugmentation potential. *Environmental Science and Pollution Research* **22**, 19485-19496.
- B41. Ntougias, S.**, Lapidus, A., Copeland, A., Reddy, T.B.K., Pati, A., Ivanova, N.N., Markowitz, V.M., Klenk, H.-P., Woyke, T., Fasseas, C., Kyrpides, N.C., Zervakis, G.I. (2015). High-quality permanent draft genome sequence of the extremely osmotolerant diphenol degrading bacterium *Halotalea alkalilenta* AW-7^T, and emended description of the genus *Halotalea*. *Standards in Genomic Sciences* **10**:52 (DOI: 10.1186/s40793-015-0052-7).
- B42.** Tsiamis, G., Cherif, A., Karpouzas, D., **Ntougias, S.** (2015). Microbial Diversity for Biotechnology 2014. *BioMed Research International* article ID 604264 (<http://dx.doi.org/10.1155/2015/604264>).
- B43. Ntougias, S.***, Tsiamis, G., Soultani, D., Melidis, P. (2015). Dominance of rumen microorganisms during cheese whey acidification: acidogenesis can be governed by a rare *Selenomonas lacticifex*-type fermentation. *Applied Microbiology and Biotechnology* **99**, 9309-9318.
- B44. Ntougias, S.*** (2016). Phylogenetic identification and enzyme activities of indigenous bacteria from a landfill stabilization pond. *Environmental Processes* **3**, 341-352.
- B45.** Rousidou, K., Chanika, E., Georgiadou, D., Soueref, E., Katsarou, D., Kolovos, P., **Ntougias, S.**, Tourna, M., Tzortzakakis, E.A. and Karpouzas, D.G. (2016). Isolation of oxamyl-degrading bacteria and identification of *cehA* as a novel oxamyl hydrolase gene. *Frontiers in Microbiology* (section Systems Microbiology) **7**, 616 (doi: 10.3389/fmicb.2016.00616).
- B46.** Melidis, P., **Ntougias, S.**, Vasilatou, V., Skouteris, G., Azis, K., Diamantis, V. and Alexandridis, A. (2016). Biofouling aspects and critical flux evaluation in an intermittently aerated and fed submerged membrane bioreactor. *Environmental Processes* **3**, Suppl. 1, 23-33.
- B47.** Remmas, N., Melidis, P., Katsioui, E. and **Ntougias, S.*** (2016). Effects of high organic load on *amoA* and *nirS* gene diversity of an intermittently aerated and fed membrane bioreactor treating landfill leachate. *Bioresource Technology* **220**, 557-565.

- B48.** Ntougias, S., Polkowska, Ż., Nikolaki, S., Dionyssopoulou, E., Stathopoulou, P., Doudoumis, V., Ruman M., Kozak K., Namieśnik J. and Tsiamis, G. (2016). Bacterial Community Structures in Freshwater Polar Environments of Svalbard. *Microbes and Environments* **31**, 401-409.
- B49.** Remmas, N., Melidis, P., Paschos, G., Statoris, E. and **Ntougias, S.*** (2017). Protozoan indicators and extracellular polymeric substances alterations in an intermittently aerated membrane bioreactor treating mature landfill leachate. *Environmental Technology* (United Kingdom) **38**, 53-64.
- B50.** Remmas, N., Melidis, P., Voltsi, C., Athanasiou, D. and **Ntougias, S.*** (2017). Novel hydrolytic extremely halotolerant alkaliphiles from mature landfill leachate with key involvement in maturation process. *Journal of Environmental Science and Health, Part A* **52**, 64-73.
- B51.** Zafiriadis, I., Kapagiannidis, A. G., **Ntougias, S.** and Aivasidis, A. (2017). Inhibition of the respiratory chain reactions in denitrifying EBPR biomass under simultaneous presence of acetate and electron acceptor. *New Biotechnology* **36**, 42-50.
- B52.** Remmas, N., Roukouni, C. and **Ntougias, S.*** (2017). Bacterial community structure and prevalence of *Pusillimonas*-like bacteria in aged landfill leachate. *Environmental Science and Pollution Research* **24**, 6757-6769.
- B53.** Markakis E.A., Kavroulakis N., **Ntougias S.**, Koubouris G.C., Sergentani C.K. and Ligoxigakis E.K. (2017). Characterization of fungi associated with wood decay of tree species and grapevine in Greece. *Plant Disease* **101**(11), 1929-1940.
- B54.** Remmas, N., Melidis, P., Zerva, I., Kristoffersen, J. B., Nikolaki, S., Tsiamis, G. and **Ntougias, S.*** (2017). Dominance of candidate Saccharibacteria in a membrane bioreactor treating medium age landfill leachate: Effects of organic load on microbial communities, hydrolytic potential and extracellular polymeric substances. *Bioresource Technology* **238**, 48-56.
- B55.** Azis K., Vardalachakis C., **Ntougias S.** and Melidis P. (2017). Microbiological and physicochemical evaluation of the effluent quality in a MBR system to meet the legislative limits for wastewater reuse. *Water Science and Technology* **76**(7-8), 1796-1804.
- B56.** Bezirgiannidis, A., Marinakis, N., **Ntougias, S.**, Melidis, P. (2018). Membrane bioreactor performance during processing of a low carbon to nitrogen ratio municipal wastewater. *Environmental Processes* **5**, 87-100.
- B57.** Remmas, N., **Ntougias, S.**, Chatzopoulou, M., Melidis, P. (2018). Optimization aspects of the biological nitrogen removal process in a full-scale twin sequencing batch reactor (SBR) system in series treating landfill leachate. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering* **53** (9), 847-853.
- B58.** Zerva, I., Remmas, N., **Ntougias, S.*** (2019). Diversity and biotechnological potential of xylan-degrading microorganisms from orange juice processing waste. *Water* **11**(2), art. no. 274.

B59. Zerva, I., Remmas, N., **Ntougias, S.*** (2019). Biocatalyst potential of cellulose-degrading microorganisms isolated from orange juice processing waste. *Beverages* 5(1), art. no. 21.

B60. Azis, K., **Ntougias, S.**, Melidis, P. (2019). Fouling control, using various cleaning methods, applied on an MBR system through continuous TMP monitoring. *Desalination and Water Treatment* **167**, 343-350.

B61. Zerva, I., Alexandropoulou, I., Panopoulou, M., Melidis, P., **Ntougias, S.*** (2019). Antibiotic resistance gene profiles at various treatment stages of a full-scale municipal sewage plant. *Desalination and Water Treatment* **167**, 412-421.

B62. Vakalounakis, D.J., **Ntougias, S.**, Kavroulakis, N., Protopapadakis, E. (2019). *Neofusicoccum parvum* and *Diaporthe foeniculina* associated with twig and shoot blight and branch canker of citrus in Greece. *Journal of Phytopathology* 167(9), 527-537.

B63. Bezirgiannidis, A., Plesia-Efstathopoulou, A., **Ntougias, S.**, Melidis, P. (2019). Combined chemically enhanced primary sedimentation and biofiltration process for low cost municipal wastewater treatment. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering* 54 (12), pp. 1227-1232.

B64. Navrozidou, E., Remmas, N., Melidis, P., Karpouzas, D.G., Tsiamis, G., **Ntougias, S.*** (2019). Biodegradation potential and diversity of diclofenac-degrading microbiota in an immobilized cell biofilter. *Processes* 7(9), art. no. 554.

B65. Navrozidou, E., Melidis, P., **Ntougias, S.*** (2019). Biodegradation aspects of ibuprofen and identification of ibuprofen-degrading microbiota in an immobilized cell bioreactor. *Environmental Science and Pollution Research* 26(14), 14238-14249.

B66. Azis, K., **Ntougias, S.**, Melidis, P. (2019). Evaluation of fouling prevention methods in a submerged membrane bioreactor treating domestic wastewater. *Desalination and Water Treatment (Accepted for publication)*.

C. INTERNATIONAL CONFERENCES/CONFERENCES ABROAD

C1. **Ntougias, S.** and Russell, N. J. (1997). Characterization of novel alkaliphilic bacteria isolated from edible-olive wash-waters. In: 5th Meeting of the UK Extremophile Network-UKEN '97, UK Extremophile Network-Centre for Extremophile Research, University of Bath.

C2. **Ntougias, S.** and Russell, N. J. (1998). Alkaliphiles from edible-olive wash-waters. In: 6th Meeting of the UK Extremophile Network-UKEN '98, UK Extremophile Network, University of Warwick.

C3. Kavroulakis, N., **Ntougias, S.**, Ehaliotis, C., Zervakis, G. I. and Papadopoulou, K. K. (2003). Mechanisms of suppression of crown and root rot in tomato mediated by agricultural residue-derived composts, p. 218. In: 11th International Congress on Molecular Plant-Microbe Interactions, 18-26 July, St. Petersburg, Russia.

C4. **Ntougias, S.**, Ehaliotis, C., Zervakis, G. I., Katsaris, P. and Papadopoulou, K. (2003). Monitoring the composting process of different agricultural wastes and evaluation of the

effects of the final products on plants, pp. 666-673. In: Lekkas, T. D. (ed.), Proceedings of the 8th International Conference on Environmental Science and Technology, University of the Aegean and GlobalNEST, Lemnos, Greece.

C5. Kavroulakis, N., **Ntougias, S.**, Ehaliotis, C., Zervakis, G. I. and Papadopoulou, K. K. (2004). Have agricultural residues-derived composts the capacity to elicit induced systemic resistance in tomato plants?, p. 80. In “The International Joint Workshop on PR-Proteins and induced Resistance”, 5-9 May, Denmark.

C6. Nerud, F., Zervakis, G., Baldrian, P., Ehaliotis, C., **Ntougias, S.** and Merhautova, V. (2005). Treatment of olive mill waste waters by white-rot fungi and radical-generating reactions, P 179, pp. 1-4. In: Kalogerakis, N. (ed.), 3rd European Bioremediation Conference, July 4-7, Chania, Greece.

C7. Zervakis, G., Papadopoulou, K., Ehaliotis, C., Philippoussis, A., **Ntougias, S.** and Kavroulakis, N., Pavlou, G., Diamantopoulou, P. and Katsaris, P. (2005). Use of composts deriving from Mediterranean agro-industrial wastes in vegetable crops: effects on disease suppression and plant growth, pp. 17-18. In: de Kreij, C. and Warmenhoven, M. (eds), Use of composted organic wastes in horticulture. Applied Plant Research - Glasshouse Horticulture, November 18th, Wageningen, The Netherlands.

C8. **Ntougias, S.**, Kavroulakis, N., Ehaliotis, C., Papadopoulou, K. K. and Zervakis G. I. (2006). Isolation and screening of indigenous microorganisms capable to detoxify wastes of the olive-oil industry, vol. II, pp. 541-544. In: Olivebioteq - Second International Seminar "Biotechnology and Quality of Olive Tree Products Around the Mediterranean Basin", November 5-10, Marsala-Mazara del Vallo, Italy.

C9. Kavroulakis, N., **Ntougias, S.**, Zervakis, G. I., Ehaliotis, C. and Papadopoulou, K. K. (2007). Non-pathogenic *Fusarium solani* strain Fs-K, is a promising biological control agent against plant diseases, PS 16-893. In: 13th International Congress on Molecular Plant-Microbe Interactions, 21-27 July, Sorrento, Italy.

C10. Kavroulakis, N., **Ntougias, S.**, Zervakis, G. I., Ehaliotis, C. and Papadopoulou, K. K. (2007). A role for ethylene in the protection of tomato plants against fungal pathogens conferred by an endophytic *Fusarium solani* strain, PS 17-933. In: 13th International Congress on Molecular Plant-Microbe Interactions, 21-27 July, Sorrento, Italy.

C11. Katsaveli, K., Tsiamis, G., **Ntougias, S.**, Kyrpides, N., Piceno, Y., Andersen, G. and Bourtzis, K. (2008). Microbial community shifts during the annual operation of Messolonghi solar saltern, Greece, FEBS Journal 275 (Suppl. 1), p. 282. In: 33rd FEBS Congress & 11th IUBMB, June 28-July 3, Athens, Greece.

C12. **Ntougias, S.**, Kavroulakis, N., Zervakis, G. I., Ehaliotis, C. and Papadopoulou, K. K. (2008). Composts deriving from two-phase olive-mill wastes (alpeorujo) may be used in potting media and suppress soil-borne pathogens, ID 169, pp. 1-4. In: Kalogerakis, N., Fava, F. and Banwart, S. A. (eds), 4rd European Bioremediation Conference, 3-6 September, Chania, Greece. (ISBN 978-960-8475-12-0)

C13. Papadelli, M. and **Ntougias, S.** (2009). Microbiological characterization and disposal issues of table olive wastewaters, p. 422. In: III International Conference on Environmental, Industrial and Applied Microbiology (BioMicroWorld2009), 2-4 December, Lisbon, Portugal.

C14. Ntougias, S., Melidis, P. and Aivasidis, A. (2009). Protozoan community dynamics in an intermittent feeding and aeration bioreactor, p. 102. In: III International Conference on Environmental, Industrial and Applied Microbiology (BioMicroWorld2009), 2-4 December, Lisbon, Portugal.

C15. Komilis, D., Kontou, I. and **Ntougias, S.** (2010). Correlation among FDA hydrolysis measurements and other stability and maturity test results in twelve composts, p. 902. In: Lasaridi, K., Manios, T., Bidlingmaier, W., Abeliotis, K., de Bertoldi, M., Diaz, L. F. and Stentiford, E. I. (eds), ORBIT 2010 Conference, June 29th to July 3rd, Heraklion, Greece.

C16. Ntougias, S., Gaitis, F., Katsaris, P., Skoulika, S., Iliopoulos, N. and Zervakis, G.I. (2010). Olives harvesting period and crop production year affect the composition of olive mill wastewater, pp. 1231-1237. In: Lasaridi, K., Manios, T., Bidlingmaier, W., Abeliotis, K., de Bertoldi, M., Diaz, L. F. and Stentiford, E. I. (eds), ORBIT 2010 Conference, June 29th to July 3rd, Heraklion, Greece.

C17. Zafiriadis, I., Ntougias, S., Kapagiannidis, A.G., and Aivasidis, A. (2011). Non-PAOs true denitrifiers are the major constituents of the microbial diversity in an anaerobic-anoxic EBPR system. In: 4th FEMS Congress of European Microbiologists, June 26-30, Geneva, Switzerland.

C18. Zervakis, G. I., Ntougias, S., Ouzounidou, G. and Gaitis, F. (2011). Treatment of two-phase olive mill wastes through commercial-scale composting and evaluation of the end-product for agricultural use, pp. A-2083 to A-2089. In: 12th International Conference on Environmental Science and Technology, 8-10 September, Rhodes Island, Greece.

C19. Melidis, P., Mariolaki, I., **Ntougias, S.** and Diamantis V. (2012). Performance evaluation of an intermittent air sparged membrane bioreactor, p. 88. In: Katsifarakis, K. L., Theodossiou, N., Christodoulatos, C., Koutsospyros, A. and Malios, Z. (eds), Protection and Restoration of the Environment XI. Stevens Institute of Technology & Aristotle University of Thessaloniki, 3-6 July, Thessaloniki, Greece.

C20. Diamantis, V., Ntougias, S., Stamatelatou, K., Kapagiannidis, A., Melidis P. and Aivasidis, A. (2012). Simple, rapid and efficient hydrogen production via dark fermentation of fruit wastewater, p. 192. In: Katsifarakis, K. L., Theodossiou, N., Christodoulatos, C., Koutsospyros, A. and Malios, Z. (eds), Protection and Restoration of the Environment XI. Stevens Institute of Technology & Aristotle University of Thessaloniki, 3-6 July, Thessaloniki, Greece.

C21. Kapagiannidis, A.G., Ntougias, S., Zafiriadis, I. and Aivasidis, A. (2012). The role of soluble COD on the performance of an external nitrification BNR system treating municipal wastewater. International Young Water Professionals Conference, IWA, 10-13 July, Budapest, Hungary.

C22. Melidis, P., Kapagiannidis, A. G., **Ntougias, S.,** Davididou, K. and Aivasidis, A. (2013). Experimental evaluation of an intermittent feeding and aeration system performing combined C, N and P removal. Asset Management for Enhancing Energy Efficiency in Water and Wastewater Systems, IWA, 24-26 April, Marbella, Spain.

C23. Ntougias, S., Melidis, P., Stamatopoulou, V., Kavroulakis, N. (2013). Anaerobic digestion of thickened sludge and *Olea europea* var. *mastoidis*-generated olive mill wastewaters. Asset Management for Enhancing Energy Efficiency in Water and Wastewater Systems, IWA, 24-26 April, Marbella, Spain.

C24. Diamantis, V., Voudrias, E., Melidis, P., **Ntougias, S.** and Aivasidis, A. (2013). Can we use landfill sites for the disposal of agro-industrial wastewaters? 4th International Conference on “Small and Decentralized Water and Wastewater Treatment Plants”, 26-27 October, Volos, Greece.

C25. Tataki, V., Diamantis, V., Melidis, P., **Ntougias, S.** and Aivasidis, A. (2013). Designing anaerobic wastewater treatment plants in small dairy factories. 4th International Conference on “Small and Decentralized Water and Wastewater Treatment Plants”, 26-27 October, Volos, Greece.

C26. Beziriannidis, A., Plesia, A., Melidis, P., **Ntougias, S.**, Diamantis, V., Aivasidis, A. (2013). Pilot-scale chemically enhanced sewage pre-concentration. 4th International Conference on “Small and Decentralized Water and Wastewater Treatment Plants”, 26-27 October, Volos, Greece.

C27. Stathopoulou, P., Tsiamis, G., **Ntougias, S.**, Polkowska, Ū, Ruman, M., Kozak, K., Namieśnik, J. (2015). Bacterial diversity in freshwater polar environments of Svalbard: bioprospecting for novel low temperature active hydrolases. In: The microbial continuity across changing ecosystems, 13th Symposium on Bacterial Genetics and Ecology (BAGECO 13), 14–18 June 2015, Milan, Italy.

C28. Bezirgiannidis A., Melidis P., **Ntougias S.**, Plesia-Efstathopoulou A., Diamantis V., Aivasidis. A. (2015). Combined chemically enhanced primary sedimentation and biofiltration process for low cost municipal wastewater treatment. IWA Balkan Young Water Professionals. 10-12 May, Thessaloniki, Greece.

C29. Melidis P., **Ntougias S.**, Vasilatou V., Diamantis V. and Alexandridis A. (2015). Optimization of an intermittently aerated and fed submerged membrane bioreactor. 1st International Scientific Conference “WASTEnet, Sustainable Solutions to Wastewater Management”, 19-21 June, Kavala, Greece.

C30. Vardalachakis Ch., Azis K., **Ntougias S.** and Melidis P. (2016). Evaluation of an MBR system efficiency to meet the wastewater reuse legislation limits. 2nd EWaS International Conference, 1- 4 June, Chania, Crete, Greece.

C31. Azis K., Vardalachakis Ch., Melidis P., **Ntougias S.** (2016). Operation of a small scale SMBRe system for wastewater reuse. In: 13th IWA Specialized Conference on Small Water and Wastewater Systems & 5th IWA Specialized Conference on Resources-Oriented Sanitation, 14-17 September, Athens, Greece.

C32. Bezirgiannidis A., Marinakis N., **Ntougias S.** and Melidis P. (2017). Biological treatment of a low strength domestic wastewater in a membrane bioreactor. In: 10th World Congress on Water Resources and Environment “Panta Rhei”, European Water Resources Association (EWRA), 5-9 July, Athens, Greece.

- C33.** Azis K., **Ntougias S.** and Melidis P. (2017). Biological and filtration process control in a membrane bioreactor. In: 6th CEMEPE and SECOTOX International Conference, June 25-30, Thessaloniki, Greece.
- C34.** Zerva I., Alexandropoulou I., Panopoulou M., Melidis P., **Ntougias S.** (2018) Antibiotic resistance genes dynamics at the different stages of the biological process in a full-scale wastewater treatment plant. In: 3rd EWaS International Conference on “Insights on the Water-Energy-Food Nexus”, 27–30 June, Lefkada Island, Greece.
- C35.** Azis, K., Malioka, M., **Ntougias, S.**, Melidis, P. (2018). Membrane fouling monitoring in a submerged membrane bioreactor. In: 3rd EWaS International Conference on “Insights on the Water-Energy-Food Nexus”, 27–30 June, Lefkada Island, Greece.
- C36.** Melidis, P., Polatidou, I., Azis, K., **Ntougias, S.** (2018). Evaluation of leachate treatment by ozonation. In: 5th International Conference on Small and Decentralized Water and Wastewater Treatment Plants, 26-29 August, Thessaloniki, Greece.
- C37.** Zerva I., Remmas N., **Ntougias S.** (2018). Isolation of hydrolytic microbiota for the valorization of orange juice processing wastewaters. In: 5th International Conference on Small and Decentralized Water and Wastewater Treatment Plants, 26-29 August, Thessaloniki, Greece.
- C38.** Zerva I., Remmas N., **Ntougias S.** (2019). Pectinolytic, xylanolytic and cellulolytic potential of the mixed population during acidogenesis of orange juice processing wastewater in an anaerobic bioreactor system. In: 5th International Conference Implementation of Microreactor Technology in Biotechnology – IMTB 2019, 19-22 May, Cavtat, Croatia.
- C39.** Azis, K., Mantzios, K., **Ntougias, S.**, Melidis, P. (2019). A pH control strategy for optimizing ammonia oxidation in an alternating aerobic/anoxic system. In: 7th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2019) and SECOTOX Conference. 19-24 May 2019, Mykonos, Greece.
- C40.** Remmas, N., Zerva, I., **Ntougias S.** (2019). Isolation and molecular characterization of limonene growing microbiota for valorizing orange juice processing waste. In: 7th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2019) and SECOTOX Conference, 19-24 May, Mykonos, Greece.
- C41.** Alexandropoulou, I., Mavriou, Z., Melidis, P., Karpouzas, D.G., **Ntougias S.** (2019). Biodegradation potential of bacteria isolated from a fludioxonil-rich fruit processing waste. In: 7th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2019) and SECOTOX Conference, 19-24 May, Mykonos, Greece.
- C42.** Alexandropoulou, I., Mavriou, Z., Melidis, P., Karpouzas, D.G., **Ntougias S.** (2019). Biodegradation potential of bacteria capable of growing in an imazalil-rich wastewater. In: 11th World Congress on Water Resources and Environment (EWRA 2019) “Managing Water Resources for a Sustainable Future”, 25-29 June, Madrid, Spain.
- C43.** Bazoukis, V., Remmas, N., Melidis, P., **Ntougias S.** (2019). Biogas production aspects in various full-scale anaerobic digestion configurations treating cheese whey. In: 5th distance education e-learning International Summer School and Workshop on “Wastewater and Biosolids Management”, 22-27 July, Patras, Greece.

C44. Ntoulas, I., Remmas, N., **Ntougias, S.** (2019). Effects of co-digested agro-industrial residues mixtures in full-scale anaerobic system configurations. In: 5th distance education e-learning International Summer School and Workshop on “Wastewater and Biosolids Management”, 22-27 July, Patras, Greece.

D. NATIONAL CONFERENCES

D1. Patiris, M., Bitzilekis, S., **Ntougias, S.** and Siafaka-Kapadai, A. (1995). Incorporation of (³H)-oleic acid into platelet lipids and mobilization after stimulation with platelet activating factor (PAF) and thrombin. In: 16th National Conference in Chemistry, December 5-8, Association of Greek Chemists, Athens, Greece

D2. Kavroulakis, N., Tripolitsioti, N., Damaskinou, A., **Ntougias, S.**, Ehaliotis, C., Zervakis, G. and Papadopoulou, K. K. (2004). Microflora of composted agricultural by-products exhibiting suppressive activity against fungal pathogens of tomato. In: 12th Hellenic Phytopathological Congress, 12-15 October, Hellenic Phytopathological Society, Kastoria, Greece.

D3. **Ntougias, S.**, Mpoftsi, S., Kavroulakis, N., Ehaliotis, C., Papadopoulou, K. and Zervakis G.. (2005). Degradation of olive mill by-products with the use of indigenous micro-organisms, pp. 305-309. In: 1st National Congress on Biotechnology and Food Technology, 31st of March to 2nd of April, Association of Greek Chemists and Hellenic Association of Chemical Engineers, Athens, Greece.

D4. Kavroulakis, N., Papadopoulou, K. K., **Ntougias, S.**, Ehaliotis, C. and Zervakis G. I. (2006). Induction of systemic resistance and colonization of tomato plants by a non-pathogenic *Fusarium solani* strain. In: 13th Hellenic Phytopathological Congress, 16-19 October, Hellenic Phytopathological Society, Athens, Greece.

D5. Katsaveli, K., **Ntougias, S.**, Tsiamis, G. and Bourtzis, K. (2006). Microbial diversity of the Messolonghi salterns. In: 58th National Conference on Biochemistry and Molecular Biology, Hellenic Society for Biochemistry and Molecular Biology, 9 - 11 November, Patra, Greece.

D6. Katsaveli, K., **Ntougias, S.**, Tsiamis, G. and Bourtzis, K. (2006). Detecting the biodiversity of halophilic microorganisms in Messolonghi salterns, p. 98. In: Biosciences in 21st century, 13-15 April, Panhellenic Association of Bioscientists, Athens, Greece.

D7. Kavroulakis, N., Papadopoulou, K., Ehaliotis, C., Zervakis G. and **Ntougias, S.** (2006). Study of pathogenesis-related gene expression in tomato plants grown on organic substrates, p. 93. In: Biosciences in 21st century, 13-15 April, Panhellenic Association of Bioscientists, Athens, Greece.

D8. **Ntougias, S.** and Zervakis G.I. (2008). Microbial diversity in olive mill wastes. In: 1st MikroBioKosmos Conference, 12-14 December, MikroBioKosmos, Athens, Greece.

D9. Tsiamis, G., Katsaveli, K., **Ntougias, S.**, Kyrpides, N., Andersen, G., Piceno, Y., Bourtzis, K. (2008). Application of a 16S rDNA oligonucleotide microarray (PhyloChip) for profiling prokaryotic diversity and community shifts from the Messolonghi solar saltern. In: 1st MikroBioKosmos Conference, 12-14 December, Athens, Greece.

- D10.** Mparmopoyloy, E., **Ntougias, S.**, Zervakis, G., Papadakis, I., Psaras, G. and Kavroulakis, N. (2009). Isolation and characterization of a *Pythium* strain with possible phytopathogenic effects on Avocado trees, p. 127. In: 24th Conference of the Hellenic Society of Horticulture, Hellenic Society of Horticulture, 20-23 October, Veria, Greece.
- D11.** Chatzikamari, M., Melidis, P. and **Ntougias, S.** (2011). Molecular characterization of fungi isolated from an intermittently aerated and fed activated sludge system. In: 4th MikroBioKosmos Conference, 21-23 October, MikroBioKosmos, Ioannina, Greece.
- D12.** **Ntougias, S.** (2011). Characteristics and potential uses of olive mill wastes. In: Modern operation of olive mills for product quality and environmental sustainability, 4 November, Geotechnical Chamber of Greece, Kalamata, Greece (Invited speaker).
- D13.** Kapagiannidis, A., Navrozidou, E., Pavlineri, N. and **Ntougias, S.** (2012). Revealing bacterial diversity in a continuous-flow EBPR system. In: 5th MikroBioKosmos Conference, 13-15 December, MikroBioKosmos, Athens, Greece.
- D14.** **Ntougias, S.**, Klenk, H.-P., Woyke, T., Kyrpides, N.C. and Zervakis, G.I. (2012). *Olivibacter sitiensis* revisited – Data from genome sequence analysis, pp. 158-159. In: 5th MikroBioKosmos Conference, 13-15 December, MikroBioKosmos, Athens, Greece.
- D15.** **Ntougias, S.**, Soutani, D. and Melidis, P. (2012). Microbial community structure in the acidogenic reactor of a two-stage anaerobic digestion system, treating cheese-whey wastewater. In: 5th MikroBioKosmos Conference, 13-15 December, MikroBioKosmos, Athens, Greece.
- D16.** Alexandropoulou, I., Zerva, I., Panopoulou, M. and **Ntougias, S.** (2015). Diversity of antibiotic resistance genes in biological wastewater treatment plants. In: 6th MikroBioKosmos Conference, 3-5 April, MikroBioKosmos, Athens, Greece.
- D17.** Markakis, E., Kavroulakis, N., **Ntougias, S.**, Koubouris, G., Ligoxigkakis, E. (2015). Characterization of *Fomitiporia mediterranea* isolates originating from woody hosts and vitis. In: 6th MikroBioKosmos Conference, 3-5 April, MikroBioKosmos, Athens, Greece.
- D18.** Remmas, N., Melidis, P., Katsioui, E. and **Ntougias, S.** (2015). Denitrifying community dynamics in an intermittently aerated and fed membrane reactor treating landfill leachate via the implementation of pyrosequencing techniques. In: 6th MikroBioKosmos Conference, 3-5 April, MikroBioKosmos, Athens, Greece.
- D19.** Stathopoulou, P., **Ntougias, S.**, Żaneta Polkowska, Nikolaki, S., Dionyssopoulou, E., Doudoumis, V., Ruman, M., Kozak, K., Namieśnik, J. and Tsiamis, G. (2015). Characterization of bacterial community structures in different glacier fields of Svalbard Archipelagos. In: 6th MikroBioKosmos Conference, 3-5 April, MikroBioKosmos, Athens, Greece.
- D20.** Remmas, N., Chatzopoulou, M., **Ntougias, S.** and Melidis, P. (2015). Optimization of nitrogen removal process from landfill leachate in a full-scale SBR system. In: 3rd Joint Conference EYE-EEDYP-EYS on Integrated Water Resources Management in the New Era, 10-12 December, Athens, Greece.

D21. Ntougias S. (2016). Microbial aspects of cheese whey wastewater acidification. In: “Applied Biotechnology, Biodegradation and Environmental Management: Bridging the Gap between Academia and Industry”, January 28-29, Agrinio, Greece.

D22. Ntougias S. (2016). Management of olive mill wastes and biotechnological applications. In: Olive – Cultivation, Environment, Health, ELAIA 2016. Organized by University of Patras & Chamber of Aitolokarnania, 25-26 November, Agrinio, Greece (Invited speaker).

D23. Zerva I., Kagkalou I., Ntougias, S. (2017). Effect of chlorination on the microbiological effluent quality of a municipal wastewater treatment plant), pp. 195-196. In: 7th MikroBioKosmos Conference, 7-9 April, MikroBioKosmos, Athens, Greece.

D24. Remmas N., Melidis P. and Ntougias S. (2017). Biotechnological potential of novel extremophiles from landfill leachate, pp. 270-271. In: 7th MikroBioKosmos Conference, 7-9 April, MikroBioKosmos, Athens, Greece.

D25. Azis K., Melidis P., Ntougias S. and Kokkinis P. (2017). Advanced activated sludge processes operation control. In: 6th Environmental Conference of Macedonia, 5-7 May, Thessaloniki, Greece.

D26. Vakalounakis, D.J., Ntougias, S., Protopapadakis, E., Kavroulakis, N. (2018). The fungi *Diaporthe foeniculina* and *Neofusicoccum parvum* are pathogenic causes of twig and branch necrosis of citrus in Greece. In: 19th Hellenic Phytopathological Congress, 30 October – 1 November, Hellenic Phytopathological Society, Athens, Greece.

D27. Remmas, N., Zerva, I., Ntougias S. (2019). Hydrolytic potential of microbiota treating orange juice processing waste in a methanogenic bioreactor. In: 8th MikroBioKosmos Conference, 18-20 April, Rio – Patras, Greece.

D28. Navrozidou, E., Remmas, N., Melidis, P., Ntougias, S. (2019). Degradation efficiency of a laboratory-scale bioreactor treating wastewater of high ibuprofen concentration. In: 8th MikroBioKosmos Conference, 18-20 April, Rio – Patras, Greece.

D29. Zerva I., Remmas N., Melidis P., Ntougias S. (2019). Hydrolytic microorganisms isolated from an immobilized cell bioreactor treating red-pepper processing wastewater. In: 8th MikroBioKosmos Conference, 18-20 April, Rio – Patras, Greece.

D30. Mavriou, Z., Alexandropoulou, I., Melidis, P., Karpouzas, D.P., Ntougias, S. (2019). Monitoring of the degradation of imazalil in a laboratory-scale immobilized cell bioreactor. In: 8th MikroBioKosmos Conference, 18-20 April, Rio – Patras, Greece.

SCIENTIFIC MEMBERSHIPS

Member of the Greek Initiative “MikroBioKosmos”

Member of the Japanese Society of Microbial Ecology

Association of Greek Chemists

FOREIGN LANGUAGES-COMPUTING SKILLS-OTHER ACTIVITIES

Greek, mother tongue.

English: Excellent knowledge of the written and spoken language.

Literate in various phylogenetic packages, such as TREECON, TREEVIEW, MEGA, MrBayes, CLUSTAL, RNAstructure, NTSYSpc and PHYLIP. Use of RDP pipeline, MG-RAST and SILVAngs.

ECDL (European Computer Driving License) certification.

Compulsory Military Service – Greece (September 1999 – March 2001).