

Curriculum Vitae



Georgios I. SKODRAS

- Dr Chemical Engineer – Professor of Clean Energy & Environmental Technologies
- Dept. of Mechanical Engineering, School of Engineering, University of Western Macedonia
- Member of the General Assembly of the Hellenic Foundation for Research & Innovation (Representative of the University of Western Macedonia)
- Included in the Elsevier/Stanford University list of the top 2% scientists worldwide in the sector of “Energy” for two consecutive years (2021 and 2022)

Personal information

First name(s) / Surname(s)	Georgios SKODRAS	
Address(es)	• MPAKOLA & SIALVERA str., 501 00 Kozani, GREECE (office)	
Telephone(s)	0030-2461-056.662 (University) 0030-2310-557.271 (Private office) 0030-2310-904.207 (Family home)	Mobile: 0030-6957-830.876
Fax(es)	0030-2461-056.601 0030-2310-557.271	
E-mail	gskodras@uowm.gr (University) gskodras.new@gmail.com (personal)	
Nationality	Greek	
Gender	Male	
Marital status	Married, one child	
Military service	Fulfilled	

Education

Dates	November 2001	
Title of qualification awarded	PhD in Chemical Engineering	
Principal subjects/occupational skills covered	Chemical Engineering – Energy Technologies – Coal – Gasification – CO ₂ Mitigation – Environmental technologies	
Name and type of organisation providing education and training	Aristotle University of Thessaloniki – School of Engineering – Dept. of Chemical Engineering	
Title of the Dissertation	“Gasification of Greek lignites and chars with carbon dioxide and hydrogen”	
Dates	May 1988	
Title of qualification awarded	Diploma in Chemical Engineering	
Principal subjects/occupational skills covered	Chemical Engineering	
Name and type of organisation providing education and training	Aristotle University of Thessaloniki – School of Engineering – Dept. of Chemical Engineering	
Title of the Diploma Thesis	“Modelling of hydrogasification of a single lignite char particle”	

Training

Dates	February 2023
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Title of qualification awarded	Certificate of Attendance – Training seminar
Principal subjects/occupational skills covered	Expert in ISO 14064-1:2019 “Greenhouse gases – Part 1: Specifications with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals”
Name and type of organisation providing education and training	TUV HELLAS SA (TUV Nord)
Dates	September 2014
Title of qualification awarded	Certificate of Attendance – 2 nd Annual Meeting on “ <i>Energy Security & Diplomacy</i> ”
Principal subjects/occupational skills covered	Hellenic Hydrocarbons: Strategic Challenges & Extensions from Caspian Sea to Southeast Mediterranean Sea
Name and type of organisation providing education and training	Hellenic Foundation for European & Foreign Policy (ELIAMEP)
Dates	September 2013
Title of qualification awarded	Certificate of Attendance – Executive seminar on the “ <i>Regional geopolitics of energy and the role of Greece</i> ”
Principal subjects/occupational skills covered	EU South Corridor – Regional Energy Strategy – Hydrocarbon in the East Mediterranean Basin – The Roles of Greece and Cyprus
Name and type of organisation providing education and training	Hellenic Foundation for European & Foreign Policy (ELIAMEP)
Dates	November 2012
Title of qualification awarded	EUROPASS GR-2013-S0050-H0376-004681-03
Principal subjects/occupational skills covered	Energy Audit of Buildings – Transfer & Application in Practice of the European Experience
Name and type of organisation providing education and training	Trevizo Technologia, Special Agency of the Trevizo Chamber of Commerce
Dates	December 2012
Title of qualification awarded	Certificate of Attendance – 2011-I-ROI1-LEO04-14839-5
Principal subjects/occupational skills covered	Utilization of wasted materials
Name and type of organisation providing education and training	August Horch Akademie
Dates	July – August 2010
Title of qualification awarded	Certificate of Attendance – Sabbatical training (Training under sabbatical leave)
Principal subjects/occupational skills covered	Advanced hydrogen-carbon dioxide technologies in coal up-grading processes. Coal conversion to methanol
Name and type of organisation providing education and training	Laboratorio Nacional de Energia e Geologia (LNEG) – Zero emissions team Supervisor: Prof. Dr Eng. Ibrahim GULYURTLU

Key qualifications / highlights

Dr Chemical Engineer – Professor of Clean Energy Technologies
Head of the “Clean Energy Technologies” Lab

Academic experience:

- More than twelve (12) years’ teaching experience of undergraduate courses in the topics of energy and environmental technologies
- Nine (9) years’ teaching experience of graduate courses in the topics of energy and environmental technologies
- Supervises / supervised twenty (20) diploma theses and nine (9) doctorate theses at the Aristotle University of Thessaloniki (with prof. G.P. Sakellariopoulos) and at the University of Western Macedonia, and one (1) MSc theses at the University of Western Macedonia
- Participated in the examination committee (7-member) of three (3) doctorate thesis at the University of Western Macedonia
- Organized and taught in more than sixty (60) training courses on energy and environmental technologies

- Three (3) years' teaching experience of post-secondary and of secondary education in the topics of economic mathematics, physics and technology
- Organized / participated in the organization of seven (7) International Conferences and Workshops. Reviewer in twenty-six (26) international peered scientific journals
- Senior author of 184 publications in peered ISI & SCI journals & proceedings (published 78) and peered conference proceedings (published 101) and five (5) publications within the frame of the OPET Network Programme of the European Commission
- Author of fourteen (14) chapters in eight (8) books, editor of a scientific book (Thermodynamics, Borgnakke & Sonntag, Wiley Int.), editor of the proceedings of four (4) international conferences
- Guest editor in two (2) peered international journals ("*Thermal Science*" and "*Applied Thermal Engineering*"), member of the Editorial Board in two (2) peered international journal ("*Energies*" and "*Journal of Nanoscience with Advanced Technology*") and member of the Review Editor Board in one (1) peered international journal at "*Frontiers in Energy Research – Bioenergy and Biofuels*"
- Received 2332 (Scopus 1694) citations and his Hirsch index (*h-index*) is 24 (Scopus 22)

Research experience:

- Successfully implements / implemented forty-one (41) research projects funded by the European Commission [Scientific coordinator in twenty-six (27) and principal researcher in fourteen (14) research projects]
- Successfully implements / implemented thirteen (13) consulting & engineering projects [Scientific coordinator in twelve (12) and senior researcher in one (1) consulting and engineering projects]
- More than twelve (12) years' research experience at the University of Western Macedonia / School of Engineering / Dept. of Mechanical Engineering / Clean Energy Technologies lab (CETEP)
- Ten (10) years' research experience at the CERTH / Institute for Solid Fuels Technology and Applications -former CSFTA - (researcher under contract)
- Seven (7) years' research experience at the CERTH / Chemical Process Engineering Research Institute / Energy and Environmental Processes lab (EEPL) - (researcher under contract)
- Nineteen (19) years' research experience at the Aristotle University of Thessaloniki / Chemical Process Engineering lab (CPEL) - (researcher under contract)
- International networking: Through his research activities he has developed extensive collaboration with more than sixty (60) EU and multinational companies, research institutes and universities, in more than thirty (30) countries

Research interests:

- Clean energy technologies for coal, biomass and non-conventional fuels (wastes, petroleum residues etc.), coal-biomass combustion /gasification, CO₂ separation, capture and storage, emissions minimization of trace pollutants (PCDD/F, PCB, Hg, heavy metals, particulates)
- Advanced power cycles of gasification and integrated gasification combined cycles for energy generation from conventional and non-conventional solid fuels, with emissions minimization technologies
- Primary and secondary measures for the minimization of trace pollutants (PCDD/F, Hg, heavy metals) in flue gases
- Design and production of activated carbons and inorganic sorbents for environmental purposes. Membrane technology for hydrogen separation and environmentally sound utilization of combustion by-products (fly ash exploitation)
- Advanced hydrogen storage technologies (metal hydrides) for green building applications, modelling and simulations
- Advanced hydrogen and carbon dioxide technologies in coal upgrading processes, CO₂ conversion to methanol, hydrogen generation, separation and storage, CO₂ separation, capture and storage, molecular sieves, hybrid catalytic membrane reactors and modified activated carbons
- Constructed wetlands for wastewater treatment and environmental impacts of large-scale infrastructures

Work experience:

- Licensed Chemical Engineer, since 1988 till 2015, he has founded and directed the engineering bureau "*Skodras and Associates – Engineering & Consulting Services*", which has successfully comprised one hundred and thirty-one (131) engineering projects, studies and investment plans for national and multi-national industries and enterprises, municipalities and local authorities.

Scientific Achievements in Numbers

<ul style="list-style-type: none"> • More than thirty (30) years' working experience (research, teaching and project management) at the University of Western Macedonia, the Aristotle University of Thessaloniki, the CPERI / CERTH Research Institute and the ISFTA / CERTH Research Institute • More than twenty-five (25) years' engineering and management experience at private national and multi-national enterprises, local authorities and public companies, as senior engineer, consultant and top management (head of unit, general director, chief executive officer etc.) • More than twenty (20) years' working experience as independent expert / evaluator at international (European Commission (EX2002B019293), E03590 – Commission Expert Group on Climate Change Policy, EU Research Executive Agency, Latvian State Council, the National Council for Research and Development of Romania etc.) and national (General Secretariat for Research and Development, Ministry of Development etc.) institutions and bodies • More than seven (7) years' working experience as Chairman of the Board and Chief Executive Officer of Stated owned listed utility (EYATH SA) and Public bodies (EYATH SERVICES SA, EGNATIA ODOS SA, OASTH) 	<table border="0"> <tr> <td>Publications in peered journals and proceedings Journals and Proceedings of ISI (Thomson Reuters) and SRJ (SCImago/Scopus)</td> <td style="text-align: right; vertical-align: top;">78</td> </tr> <tr> <td>Publications within the OPET network of the EU</td> <td style="text-align: right; vertical-align: top;">5</td> </tr> <tr> <td>Contributions in books</td> <td style="text-align: right; vertical-align: top;">14 chapters in 8 books</td> </tr> <tr> <td>Publications in peered conference proceedings</td> <td style="text-align: right; vertical-align: top;">101</td> </tr> <tr> <td>Citations</td> <td style="text-align: right; vertical-align: top;">Google scholar-2332 Scopus-1694</td> </tr> <tr> <td>Hirsch index (<i>h</i>-index)</td> <td style="text-align: right; vertical-align: top;">Google scholar 24 Scopus 22</td> </tr> <tr> <td>Book editing</td> <td style="text-align: right; vertical-align: top;">1 (Thermodynamics)</td> </tr> <tr> <td>Editorial activities</td> <td style="text-align: right; vertical-align: top;">16</td> </tr> <tr> <td>Invited speaker in conferences</td> <td style="text-align: right; vertical-align: top;">20</td> </tr> <tr> <td>Research and Industrial projects</td> <td style="text-align: right; vertical-align: top;">41</td> </tr> <tr> <td>Engineering and consulting projects</td> <td style="text-align: right; vertical-align: top;">13</td> </tr> <tr> <td>Engineering studies and investment-business plans</td> <td style="text-align: right; vertical-align: top;">131</td> </tr> <tr> <td>Independent Expert – Evaluator</td> <td style="text-align: right; vertical-align: top;">at 11 international and national bodies</td> </tr> <tr> <td>Reviewer in peered journals</td> <td style="text-align: right; vertical-align: top;">in 26 journals</td> </tr> <tr> <td>Awards</td> <td style="text-align: right; vertical-align: top;">17 times awarded</td> </tr> <tr> <td>Professional Associations</td> <td style="text-align: right; vertical-align: top;">6 bodies</td> </tr> </table>	Publications in peered journals and proceedings Journals and Proceedings of ISI (Thomson Reuters) and SRJ (SCImago/Scopus)	78	Publications within the OPET network of the EU	5	Contributions in books	14 chapters in 8 books	Publications in peered conference proceedings	101	Citations	Google scholar-2332 Scopus-1694	Hirsch index (<i>h</i> -index)	Google scholar 24 Scopus 22	Book editing	1 (Thermodynamics)	Editorial activities	16	Invited speaker in conferences	20	Research and Industrial projects	41	Engineering and consulting projects	13	Engineering studies and investment-business plans	131	Independent Expert – Evaluator	at 11 international and national bodies	Reviewer in peered journals	in 26 journals	Awards	17 times awarded	Professional Associations	6 bodies
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Sec.1 – Academic experience

Name and type of organisation Dates Course (s)	University of Western Macedonia – Graduate Course: “ <i>Energy resources: Technologies & Management</i> ” January 2017 – June 2019 1. Coal Technologies 2. Energy Policy & Finance 3. Energy Optimization in Industry
Name and type of organisation Dates Course (s)	University of Western Macedonia – Dept. of Mechanical Engineering September 2010 – today 1. Renewable Energy Sources 2. Plant design and economics 3. Energy Conservation and Optimization of Industrial Processes 4. Thermodynamics I 5. Thermodynamics II 6. Unit Operations 7. Engineering & Energy Legislation

Name and type of organisation	University of Western Macedonia – Dept. of Environmental Engineering
Dates	September 2011 – today
Course (s)	1. Renewable Energy Sources
Name and type of organisation	University of Western Macedonia – Dept. of Informatics & Communications Engineering
Dates	September 2011 – 2018
Course (s)	1. Renewable Energy Sources 2. Plant design and economics
Name and type of organisation	University of Western Macedonia – Dept. of Mechanical Engineering
Dates	September 2010 – August 2012
Course (s)	1. Energy Policy and Economics 2. Technology and Society 3. European Research and Innovation Policy
Name and type of organisation	University of Western Macedonia – Dept. of Mechanical Engineering
Dates	October 2004 – July 2007
Course (s)	1. Hydrocarbons' Utilization and Exploitation Technologies 2. Coals' Utilization and Exploitation Technologies 3. Energy Conservation and Management
Name and type of organisation	University of Western Macedonia – Dept. of Energy Resources Engineering
Dates	March 2004 – August 2004
Course (s)	1. Energy Conservation and Management
Name and type of organisation	Aristotle University of Thessaloniki – Dept. of Biology – Graduate course: Environmental Biology
Dates	September 1998 – July 2005
Course (s)	1. Environmental Technologies (waste waters and solid wastes management)
Name and type of organisation	Aristotle University of Thessaloniki
Dates	September 1993 – July 1995
Course (s)	1. Energy Management

Sec. 2 – Work experience

Dates	October 2018 – today
Occupation or position held	Professor (elected in June 5 th 2018) – “ <i>Clean Energy Technologies & Energy Policy</i> ” Lab
Main activities and responsibilities	Teaching and research
Name and address of employer	University of Western Macedonia – School of Engineering – Dept. of Mechanical Engineering – University Campus, 50100 Kozani, Greece
Type of business or sector	University
Dates	January 2023 – today
Occupation or position held	Member of the Ethics Committee
Main activities and responsibilities	Implementation of the code of ethics and good practices of the University of Western Macedonia
Name and address of employer	University of Western Macedonia – University Campus, 50100 Kozani, Greece
Type of business or sector	University
Dates	February 2020 – 2023
Occupation or position held	Member
Main activities and responsibilities	Strategic Planning – Research
Name and address of employer	University of Western Macedonia – Research Center “TIMENOS”, Institute for Energy Development and Post-lignite Era, Parko Agiou Dimitriou 1, 50100 Kozani, Greece
Type of business or sector	Research Institute
Dates	August 2019 – August 2022
Occupation or position held	Chairman of the Board of Directors & Chief Executive Officer (April 2020 – August 2022)
Main activities and responsibilities	Top management – Strategic Planning
Name and address of employer	Organization of Urban Transportation of Thessaloniki , 90 Papanastasiou str, 546 44 Thessaloniki

Type of business or sector	State-owned entity (of Private Jurisdiction)
Dates	September 2016 – July 2019
Occupation or position held	Engineering Consultant (under contract with the Research Committee of the UOWM)
Main activities and responsibilities	Top management – Strategic Planning
Name and address of employer	ENERGY Plus Ltd – Thessaloniki Industrial zone, Phase C, Block 48b, 570 22 Sindos-Thessaloniki
Type of business or sector	Industry
Dates	May 2016 – 2019
Occupation or position held	Director of the Graduate Course in “Energy resources: technologies & management”
Main activities and responsibilities	Course Management
Name and address of employer	University of Western Macedonia – School of Engineering – Dept. of Mechanical Engineering – Bakola & Sialvera, 50100 Kozani, Greece
Type of business or sector	University
Dates	September 2016 – 2018
Occupation or position held	Member of the Administration Committee
Main activities and responsibilities	Projects’ Management
Name and address of employer	Research Committee – University of Western Macedonia
Type of business or sector	University
Dates	March 2015 – December 2017
Occupation or position held	Deputy Chairman – Member of the Administration Committee
Main activities and responsibilities	Administration, teaching and research
Name and address of employer	University of Western Macedonia – School of Engineering – Dept. of Environmental Engineering – Bakola & Sialvera, 50100 Kozani, Greece
Type of business or sector	University
Dates	July 2014 – October 2018
Occupation or position held	Associate Professor (elected in May 22 nd 2014) – “ <i>Clean Energy Technologies & Energy Policy</i> ” Lab
Main activities and responsibilities	Teaching and research
Name and address of employer	University of Western Macedonia – School of Engineering – Dept. of Mechanical Engineering – Bakola & Sialvera, 50100 Kozani, Greece
Type of business or sector	University
Dates	November 2014 – March 2015
Occupation or position held	Chairman of the Board & C.E.O. & General Director
Main activities and responsibilities	Management – Strategic Planning
Name and address of employer	Egnatia Odos SA – 6 th km Thessaloniki-Thermi Road, 570 01 Thermi, Thessaloniki, Greece
Type of business or sector	State-owned entity – Construction of Large-Scale Infrastructure & Engineering Services
Dates	March 2014 – July 2019
Occupation or position held	Member of Council
Main activities and responsibilities	Consulting
Name and address of employer	Gerson Lehrman Group (GLG) – knowledge brokerage and primary research firm, New York, USA
Type of business or sector	Consulting platform
Dates	September 2010 – June 2014
Occupation or position held	Assistant Professor – Head of the Clean Energy Technologies & Energy Policy Lab
Main activities and responsibilities	Teaching and research
Name and address of employer	University of Western Macedonia – School of Engineering – Dept. Of Mechanical Engineering – Bakola & Sialvera, 50100 Kozani, Greece
Type of business or sector	University
Dates	November 2009 – August 2010

Occupation or position held	Researcher
Main activities and responsibilities	Research and teaching
Name and address of employer	Aristotle University of Thessaloniki – School of Engineering – Dept. of Chemical Engineering – University Campus, Thessaloniki, Greece
Type of business or sector	University
Dates	November 2007 – October 2009
Occupation or position held	Chairman of the Board & C.E.O.
Main activities and responsibilities	Top Management – Strategic Planning
Name and address of employer	EYATH S.A. – Thessaloniki, Greece
Type of business or sector	Listed Utility – Drinking water and sewerage services
Dates	November 2007 – October 2009
Occupation or position held	Founder and C.E.O.
Main activities and responsibilities	Management – Strategic Planning
Name and address of employer	EYATH SERVICES S.A. – Thessaloniki, Greece
Type of business or sector	Engineering services – Drinking water and sewerage services
Dates	July 2005 – October 2007
Occupation or position held	C.E.O.
Main activities and responsibilities	Management – Strategic Planning
Name and address of employer	EYATH S.A. – Thessaloniki, Greece
Type of business or sector	Listed in ASE Utility – Drinking water and sewerage services
Dates	May 2004 – May 2007
Occupation or position held	Member of the Board
Main activities and responsibilities	Strategic planning
Name and address of employer	EGNATIA ODOS S.A. – Thessaloniki, Greece
Type of business or sector	State-owned entity – Construction of Large-Scale Infrastructure & Engineering Services
Dates	June 1988 – June 2005
Occupation or position held	Researcher (under contract)
Main activities and responsibilities	Research and Teaching
Name and address of employer	Aristotle University of Thessaloniki – School of Engineering – Dept. of Chemical Engineering – University Campus, Thessaloniki, Greece
Type of business or sector	University
Dates	June 1988 – June 2015
Occupation or position held	Founder and chief engineer
Main activities and responsibilities	Engineering studies and consulting – Management
Name and address of employer	G. Skodras & Associates , Engineering Bureau – Thessaloniki, Greece
Type of business or sector	Engineering & consulting services
Dates	February 2000 – June 2005
Occupation or position held	Researcher (under contract)
Main activities and responsibilities	Research
Name and address of employer	Centre for Research and Technology Hellas – Institute for Solid Fuels Technology and Application (CERTH / ISFTA) – Ptolemais, Greece
Type of business or sector	Research Centre
Dates	July 1994 – April 2002
Occupation or position held	Researcher (under contract)
Main activities and responsibilities	Research
Name and address of employer	Centre for Research and Technology Hellas – Chemical Process Engineering Research Institute (CERTH / CPERI) – Thermi, Thessaloniki, Greece

Type of business or sector	Research Centre
Dates	February 1995 – January 1998
Occupation or position held	General Director
Main activities and responsibilities	Training of adults
Name and address of employer	GAIA ngo – Thessaloniki, Greece
Type of business or sector	National Training Centre
Dates	January 1995 – December 1997
Occupation or position held	Engineering consultant
Main activities and responsibilities	Production of equipment for solid wastes treatment
Name and address of employer	A. KAOUSSIS ABEE – Athens, Greece
Type of business or sector	Industry
Dates	January 1990 – December 1994
Occupation or position held	Engineering consultant
Main activities and responsibilities	Production of equipment for solid wastes treatment
Name and address of employer	PERIVALLONTIKI ATEBE – Athens, Greece
Type of business or sector	Industry
Dates	January 1992 – December 1994
Occupation or position held	C.E.O.
Main activities and responsibilities	Research & training Centre
Name and address of employer	Hellenic Centre for Research & Youth Training ngo – Thessaloniki, Greece
Type of business or sector	Research and training centre
Dates	January 1990 – January 1992
Occupation or position held	C.E.O.
Main activities and responsibilities	Research & training Centre
Name and address of employer	EKETEN “EUROPE 2000” ngo – Serres, Greece
Type of business or sector	Research and training centre
Dates	January 1989 – March 1994
Occupation or position held	Founder & Managing Director
Main activities and responsibilities	IT applications
Name and address of employer	G & S Computers Inc. – Thessaloniki, Greece
Type of business or sector	Information technologies
Dates	January 1987 – March 1988
Occupation or position held	Head of Sales Department
Main activities and responsibilities	IT applications
Name and address of employer	SIGMA Computers SA. – Thessaloniki, Greece
Type of business or sector	Information technologies
Dates	January 1985 – December 1986
Occupation or position held	Sales Manager
Main activities and responsibilities	Packaging materials
Name and address of employer	AGRIMEX SA. – Thessaloniki, Greece
Type of business or sector	Food Industry
Dates	July 1986 – August 1986
Occupation or position held	Trainee Chemical Engineer
Main activities and responsibilities	Process design and analysis
Name and address of employer	EKO HELLAS SA (HELPE Group) – Thessaloniki, Greece

Type of business or sector	Industry – Oil refinery
Dates	June 1982 – September 1982
Occupation or position held	Trainee Chemical Engineer
Main activities and responsibilities	Chemical analyses lab
Name and address of employer	ETHYL HELLAS SA. – Thessaloniki, Greece
Type of business or sector	Industry – Chemical industry

Sec. 3 – Management & administration experience

2020 – today	Member of the General Assembly of the “Hellenic Foundation for Research and Innovation”
2023 – today	Member of the Ethics and Good Practices Committee of the University of Western Macedonia
2020 – 2023	Member of the Institute for “Energy Development and Post-lignite Era Transition”, University Research Center “TIMENOS”, University of Western Macedonia
2019 – 2022	Chairman of the Board of Directors & Chief Executive Officer “Organization of Urban Transportation of Thessaloniki”
2016 – 2019	Acting C.E.O. “Energy Plus Ltd”
2016 – 2018	Director of the graduate course “Energy Resources – Technologies & Management”
2016 – 2018	Member of the Administration Committee, Research Committee, University of Western Macedonia
2015 – today	Member of the Administration Committee, Dept. of Environmental Engineering, School of Engineering, University of Western Macedonia
2015 – 2017	Deputy Chairman, Dept. of Environmental Engineering, School of Engineering, University of Western Macedonia
2010 – today	Head of the “Clean Energy Technologies & Energy Policy Lab”, Dept. of Mechanical Engineering, School of Engineering, University of Western Macedonia
2014 – 2015	Chairman of the Board and Chief Executive Officer of the “Egnatia Odos SA”
2005 – 2009	Chairman of the Board and C.E.O. of the “Thessaloniki Drinking Water and Sewerage SA (EYATH SA)”
2007 – 2009	CEO and founder of the “EYATH SERVICES SA”
2004 – 2007	Member of the Board of Directors of “EGNATIA ODOS SA”
2000 – 2005	Head of the “Clean Coal Technologies Unit”, ISFTA/CERTH
1995 – 1998	General Director, National Training Center “GAIA ngo”
1992 – 1994	C.E.O. of the “Hellenic Center for Technology and Youth Training ngo”
1990 – 1992	C.E.O. of the Technology & Training Center “EKETEN Europe 2000 ngo”
1989 – 1994	Managing Director of the “G & S Computers Inc.”
1989 – 1990	Head of the Sales Unit “SIGMA Computers SA”
1988 – 2015	Founder and Head of the Engineering Bureau “Skodras and Associates – Engineering & Consulting Services”

Sec. 4 – Experience in privatizations

2014 – 2015	Head of “Egnatia Odos SA” privatization team
2013 – 2014	Engineering and business development consultant to “SUEZ Environnement” for the privatization of “EYATH SA”
2008 – 2009	Head of “EYATH SA” privatization team

Sec. 5 – Book editing

1. Editor of a scientific book, Thermodynamics, Borgnakke & Sonntag, Wiley Int., 2023

Sec. 6 – Editorial experience

1. THERMIE Workshop on “Co-combustion of Waste Wood, Biomass and Lignite in Industrial Boilers – Possibilities and Perspectives”, Thessaloniki, Greece, November 30, 1999 – Chairman of the Organizing Committee, Member of the Scientific Committee
2. Editing of the Proceeding of THERMIE Workshop on “Co-combustion of Waste Wood, Biomass and Lignite in Industrial Boilers – Possibilities and Perspectives”, Ed. CERTH/ISFTA, Thessaloniki, Greece, November 30, 1999

3. 4th Symposium of South-East European Countries (SEEC) on “*Fluidized Beds in Energy Production, Chemical, Process Engineering & Ecology*”, Thessaloniki, Greece, April 3 – 4, 2003 – Chairman of the Organizing Committee, Member of the Scientific Committee
4. Editing of the Proceeding of 4th Symposium of South-East European Countries on “*Fluidized Beds in Energy Production, Chemical, Process Engineering & Ecology*”, Ed. CERTH/ISFTA, ISBN 960-86076-1-2, Thessaloniki, Greece, April 2003
5. Seminar on “*Promotion of Natural Gas Technologies*”, Tbilisi, Georgia, March 4, 2004 – Co-organizer
6. International Symposium on “*Moving Towards Zero Emissions Plants*”, Leptokarya Pieria, Greece, June 20 – 22, 2005 – Chairman of the Organizing and of the Scientific Committee
7. Editing of the Proceeding of International Symposium on “*Moving Towards Zero Emissions Plants*”, Ed. CERTH/ISFTA, ISBN 960-86076-2-0, June 2005
8. Guest Editor, “*Thermal Science – An International Journal*”, Special Issue (ISSN 0354-9836, UDC 621, Vol. 10, No 3, 2006) dedicated to International Symposium “*Moving Towards Zero Emission Plants*” held in June 20-22, 2005, Leptokarya Pieria, Greece
9. 3rd WSEAS / IASME International Conference on “*Energy, Environment, Ecosystems and Sustainable Development*”, Agios Nikolaos, Crete Island, Greece, July 24 – 26, 2007 – International Scientific Committee
10. Review Editorial Board, “*Frontiers in Energy Research – Bioenergy and Biofuel*” Journal
11. 6th International Conference on “*Clean Coal Technologies 2013*” (CCT 2013), International Energy Agency – Clean Coal Center, May 12 – 16, 2013, Thessaloniki, Greece – Chairman of the Organizing Committee and Chairman of the Scientific Committee
12. Editing of the Proceeding of the 6th International Conference on “*Clean Coal Technologies – CCT 2013*”, Ed. IEA-Clean Coal Center, May 2013
13. Guest Editor, “*Applied Thermal Engineering*”, Special Issue (2015, Vol. 74) dedicated 6th International Conference on “*Clean Coal Technologies – CCT 2013*”, May 2013
14. International Scientific Committee, International Conference on “*Nanomaterials for Energy & Environment*”– *NanoMatEn2015*”, June 15 – 17, 2015, Paris, France
15. Editorial Board, “*Journal of Nanoscience with Advanced Technology*”, Verizona Publisher, Birmingham, UK
16. Editorial Board, “*Energies*”, An Open Access Journal from MDPI

Sec. 7 – Independent expert / Evaluator

1. Evaluator for the “*ENERGY*” project at the Hellenic Ministry of Development, 2002
2. Included in the catalog the evaluators for the 6th and the 7th Framework Programme of the European Commission, 2003
3. Evaluator of the “*SYNERGASIA I*” programme at the General Secretariat for Research & Technology Hellas, 2010
4. Evaluator at the “*Research Fund for Coal and Steel*” of the European Commission, 2003, 2012, 2013, 2017, 2018
5. “*Independent Expert*” at the “*Research Executive Agency*” (the REA) of the European Commission in the FP7 for the benefit of the SMEs, 2011 – 2014
6. Evaluator at the National Council of Research and Development of Romania, 2012
7. Evaluator at the Latvian Council of Science, 2012
8. “*Independent Expert*” at the “*EPANAD II*” programme at the General Secretariat for Research & Technology Hellas, 2014
9. “*Independent Reviewer*” at the “*Lifelong learning*” programme of the Hellenic Structural Fund at the Greek Secretariat for Research & Technology Hellas, 2014
10. “*Independent Expert*” at the “*Hellenic Foundation for Research & Innovation*” at the Greek Secretariat for Research & Technology Hellas, 2017
11. European Commission (EX 2002B019293)
12. E03590 – Commission Expert Group on Climate Change Policy

Sec. 8 – Research and Development Projects

(a) Scientific coordinator

1. “*Innovative and interdisciplinary Programmes in Bio-medical Engineering to Leverage and Exploit the Digital Growth programme for students’ employability in Uzbekistan (UZ)*”, ERASMUS-EDU-2022-CBHE, Num 10182242
2. “*Independent evaluation of the international EU project MED-QUAD*”, EU, 2022
3. “*How to WIN the challenGE: internationalizing EQF Level 5*” (HINGE), Programme Erasmus Mundus, 2015-2018, Budget: 54.865€

4. "Advanced Materials for Mercury Capture", 11ΣΥΝ_8_206, Programme SYNERGASIA, General Secretariat for Research & Technology Hellas, 2013-2015, Budget: 127.000 €
5. "Electronic Classroom in Collaborative Environments", Programme LEONARDO DA VINCI – VETPRO, 2013-1-GR1-LEO03-14958, Epimorfotiki sm llc (GR) –FLORIDA CENTRE DE FORMACIÓ, C.V. (VALENCIA -SPAIN)
6. "Investment in photovoltaic systems", Programme LEONARDO DA VINCI – PLM, EPIMORFOTIKI sm llc (GR) – TREVISO TECNOLOGIA (IT)
7. "Acquainting the European experience in providing quality security services" Programme LEONARDO DA VINCI – PLM, 2013-1-GR-1-LEO02-14956, Municipality of PAIONIA-KILKIS – EPIMORFOTIKI sm llc (GR) – ISTITUTO ADDESTRAMENTO LAVORATORI SICILIA-IAL (IT)
8. "Organization and management of Snailfarming", Programme LEONARDO DA VINCI – PLM, 2013-1-GR-1-LEO02-14957, EPIMORFOTIKI sm llc (GR) – ISTITUTO INTERNAZIONALE DI ELICICOLTURA - CHERASCO (IT)
9. "New Orthopedic Practices – Application & Training Methods", Programme LEONARDO DA VINCI – VETPRO, Kilkis General Hospital – EPIMORFOTIKI sm llc – Universita' degli Studi dell'Aquila (UNIVAQ) – ITALY
10. "The Value of Wasted Materials", EU, Programme Leonardo da Vinci – Partnerships, 2011-1-RO1-LEO04-14839, 2011-2013, Budget: 21.000 €
11. "Energy Audits of Buildings", EU, Programme Leonardo da Vinci – Mobility VET-PRO, 2011-1-GR1-LEO03-06639, 2012-2013, Budget: 21.804 €
12. "Electronic Classrooms in Collaborative Environments (Ei-CLASS-iCO)", EU, Programme COMMENIUS, GR-2012-169-003, 2012-2013, Budget: 54.000 €
13. "Hydrogen Separation in Advanced Gasification Processes", EU, DG Research, RFCS – 2005, RFCR – CR – 2006-00003, 2006-2009, Budget: 278.572 €
14. "Technology Development for the Production of 'Clean' Solid Fuels from Lignites and Wastes", Structural Fund, Region of Western Macedonia, Measure 4.3, 'Innovation and Technology Adaptation – Support of applied Research' (MIS code: 105550), 2006, Budget: 125.000 €
15. "Zero 'dioxin' Releases in Coal Combustion and Coal/Organic Waste Co-combustion Processes", EU, DG Research, RFCS – 2003, RFC – CR – 04007, 2004 – 2007, Budget: 224.374 €
16. "Assessment Options for CO₂ Capture and Geological Sequestration", EU, DG Research, RFCS – 2002, RFC – CR – 03008, 2003 – 2006, Budget: 297.000 €
17. "Multi Fuel Operated Integrated Clean Energy Process: Thermal Desorption Recycle-Reduce-Reuse Technology", EU, Project: FP 5, Contract No: NNE5/00363/2001, 2002 – 2005, Budget: 485.000 €
18. "Impact of a New Process for NO_x Reduction on Reliability, Operating Performance and Toxicity in Re-circulating Fluidised Bed Boiler" EU DGTREN, Project: COAL RTD PROGRAMME, Contract No ECSC 7220-PR/143, 2002 – 2005, Budget: 208.000 €
19. "Co-combustion of Meat and Bone Meal in Coal Power Plants" EU DGTREN, Project: COAL RTD PROGRAMME, Contract No ECSC 7220-PR/144, 2002 – 2005, Budget: 130.478,30 €
20. "Energy Wood Production Chains in Europe" EU, Project: FP 5, Contract No: NNE5/00522/2001, 2002–2005, Budget: 318.890 €
21. "Measures to Improve Availability and Reduction in Operating Costs of Coal and Biomass Burning Power Plants" EU DGTREN, Project: COAL RTD PROGRAMME, Contract No ECSC 7220-PR/131, 2001 – 2005, Budget: 225.000 €
22. "Clean Fossil Fuels" EU, Project: FP 5, OPET Contract No NNE5/00097/2002, 2003-2004, Budget: 327.468 €
23. "Combined Heat of Power / District Heating Clusters" EU, Project: FP 5, OPET Contract No NNE5/00052/2002, 2003 – 2004, Budget: 39.000 €
24. "Utilisation of Residues from Biomass Co-combustion in Pulverised Coal Boilers" EU, FP5, contract No NNE5/00366/1999, (sub-contract from NTUA), 2000 – 2003, Budget: 60.000 €
25. "Production and Application of Special Coke for Environmental Purposes", EU-DG XVII, Project: ECSC COAL RTD PROGRAMME, Contract No ECSC 7220-PR/067, 1999 – 2002, Budget: 188.052 €
26. "Fines Exploitation and Improved Products and Energy Efficiency from Low Grade Coals Briquette Installation", EU-DG XVII, Project: ECSC COAL RTD PROGRAMME, Contract No ECSC 7220-EA/018 (sub-contract from PPC), 1997 – 2000, Budget: 96.000 €
27. "A New Technique for Controlling Ashes and Gaseous Polluting Emission by Gasification of Coal Injected in Slag", EU_DG XVII, Programme: ECSC COAL RTD, Contract No: ECSC 7220-ED/092, 1997 – 2000, Budget: 120.000 €

(b) Principal Researcher

- 1 "Investigation and deployment plan for using natural gas as fuel in the Urban Public Transportation System of Thessaloniki Area" Urban Public Transportation Council of Thessaloniki, 2006, Budget: 100.000 €

- 2 "Particulate Removal from Flue Gas: Improving the Performance of Electrostatic Precipitators" EU DGTREN, Project: COAL RTD PROGRAMME, Contract No ECSC 7220-PR/123, 2001 – 2004, Budget: 406.500 €
- 3 "Investigation of Alternative Fuel Sources and Technologies for Improved Energy and Environmental Behavior of the Urban Public Transportation System of Thessaloniki Area" Urban Transportation Council of Thessaloniki, 2003, Budget: 117.000 €
- 4 "Excellence: A Tool for Development" Programme Competitiveness, Ministry of Development, Contract No Α.Π. 1420/B1/3.3.1/361/15.04.2002, 2002 – 2003, Budget: 250.000 €
- 5 "ESF OPET, European Solid Fuels Organisation for the Promotion of Energy Technologies", EU, Project: FP 5, Accompanying Measure NNE5-1999-411-S12.318322, 2001 – 2002, Budget: 90.000€
- 6 "Emissions Minimisation in Coal Waste Co-combustion by Primary Measures" EU DGTREN, Project: COAL RTD PROGRAMME, Contract No ECSC 7220-PR/108, 2000 – 2003, Budget: 703.000 €
- 7 "ESF OPET, European Solid Fuels Organisation for the Promotion of Energy Technologies", EU, Project: FP 5, Accompanying Measure NNE5-1999-411-S12.318322, 2000 – 2001, Budget: 90.000 €
- 8 "Demonstration of BGL-gasification Under Optimised Conditions for the European and Asean Market" EU, Project: THERMIE type-A, Contract No: THERMIE SF/0081/98, 1998 – 2002, Budget: 361.000 €
- 9 "Low Emission Co-combustion of Different Waste Wood Species and Lignite Derived Products in Industrial Power Plants", EU, Project THERMIE type-A, Contract No: THERMIE SF/0261/97, 1997 – 1999, Budget: 300.000 €
- 10 "Optimization of the Municipal Solid Waste Management of Kifisia-Athens", Municipality of Kifisia, 1995–1996, Budget: 26.500 €
- 11 "CO₂ Mitigation Through CO₂/Steam/Argon Gas Turbine Cycles and CO₂/Steam/Argon Gasification", Project: JOULE II, Contract No JOU2-CT92-0128, 1992 –1995, Budget: 300.000 €
- 12 "Wastewater Treatment of Paper Pulp Industry for Water Recycling and Re-use of Waste Paper Pulp", Ministry of Development – General Secretariat for Research and Technology, Programme: PABE, Contract No 92 BE 107, 1994–1995, Budget: 17.600 €
- 13 "Two-stage Catalytic Gasification of Lignite", EU-DG XVII, Project: ECSC COAL RTD PROGRAMME, Contract No ECSC 7220-EC/702, 1988 – 1992, Budget: 320.000 €
- 14 "Combined Cycle of Hydrolysis and Gasification of Lignites", Ministry of Development – General Secretariat for Research and Technology, Contract No EE 1246, 1988 – 1990, Budget: 30.000 €

Sec. 9 – Engineering and Consulting Projects

(a) Scientific coordinator

1. "Hydraulic Calculations of the Study «Hydrological Study of Asproklisias»", 2010
2. "Engineering Consultant – Expert in the "Study of the Drinking Water and Waste Water Testing Lab", Serres Municipal Drinking Water and Sewerage Company, 2011
3. "Engineering Consultant – Expert", Thermaikos Municipal Drinking Water and Sewerage Company, 2012
4. "Memorandum of Cooperation", Trade Federation of Thessaloniki, 2013 – 2015
5. "Business Development Consultancy", SUEZ Environnement SA, 2013 – 2014
6. "Engineering Consultant – Expert", Voion Municipal Drinking Water and Sewerage Company, 2013–2014
7. "Special phototechnical and energy saving studies at street lighting systems – Engineering Consultant – Expert", ENERGY Plus, May 2018 – December 2019
8. "Preparation of the engineering dossier for the project "Energy saving and improvement of street lighting of the Municipality of Lokron – Engineering Consultant – Expert", Municipality of Lokron, 2018–2019 (ΑΔΑ: 6Ω0ΣΩΛΤ-Μ1Υ)
9. "Study of installation of energy-saving LED lighting fixtures in areas of the land zone of the Port of Igoumenitsa – Engineering Consultant – Expert", Igoumenitsa Port Authority SA, 2018–2019 (ΑΔΑ: ΨΤ93469ΗΞ2-ΡΔΙ)
10. Engineering study on the "Supply and installation of telematic water meters and automatic billing" Paionia Municipal Drinking Water and Sewerage Company, 2020 (ΑΔΑ: ΩΩΨ3ΩΞΡ-04Δ)
11. "Energy saving and improvement of street lighting of the Municipality of Florina", Municipality of Florina, 2021
12. "Energy saving and improvement of street lighting of the Municipality of Lagkada", Municipality of Lagkada, 2022

(b) Senior Researcher

1. "Vehicles Inspections according to the UN ADR and ATP agreements", 2001 – 2013

Sec. 10 – Publications in Peered Journals & Proceedings ISI (Thomson Reuters) and SRJ Journals (SCImago/Scopus)

- A-001 G.P. Sakellariopoulos, **G. Skodras**, S. Kaldis, G. Stavropoulos, and P. Kokorotsikos, "Modelling of Hydrogasification of a Single Lignite Char Particle", *Amer. Chem. Soc. Div. Fuel Chem.*, Proceedings (ISSN 065-7727, IDS HG 080), 1987, 32(4), 176-185
- A-002 G. Stavropoulos, E. Karagiannidis, **G. Skodras** and G.P. Sakellariopoulos, "The Role of Pore Structure in Two Stage Catalytic Gasification of Lignite", *Int. Conference on Coal Science*, Proceedings Vol. I, 349-352, Tokyo, Japan, October 1989
- A-003 **G. Skodras** and G.P. Sakellariopoulos, "Two Stage Gasification: Effect of Hydrolysis Conditions", *Amer. Chem. Soc. Div. Fuel Chem.*, Proceedings (ISSN 065-7727, IDS IZ 912), 1991, 36(4), 1927-1934
- A-004 P. Samaras, **G. Skodras**, G.P. Sakellariopoulos, M. Blumenstock, K.W. Schramm and A. Kettrup, "PCDD/F Emissions During Lignite-Biomass-Wastewood Co-combustion in a Moving Grate Industrial Combustor", *Organohalogen Compounds*, 1999, 41, 259-263
- A-005 P. Samaras, **G. Skodras**, G.P. Sakellariopoulos, M. Blumenstock, K.W. Schramm and A. Kettrup, "Toxic Gas Emissions During Co-combustion of Biomass-Wastewood-Lignite Blends in an Industrial Boiler", *Chemosphere*, 2001, 43(4-7), 751-755 ([https://doi.org/10.1016/S0045-6535\(00\)00429-X](https://doi.org/10.1016/S0045-6535(00)00429-X))
- A-006 **G. Skodras**, P. Grammelis, P. Samaras, P. Vourliotis, E. Kakaras and G.P. Sakellariopoulos, "Emissions Monitoring During Coal Waste Wood Co-Combustion in an Industrial Steam Boiler", *Fuel*, 2002, 81(5), 547-554 ([https://doi.org/10.1016/S0016-2361\(01\)00147-8](https://doi.org/10.1016/S0016-2361(01)00147-8))
- A-007 **G. Skodras**, Th. Orfanoudaki, E. Kakaras and G.P. Sakellariopoulos, "Production of Special Activated Carbon from Lignite for Environmental Purposes", *Fuel Processing Technology*, 2002, 77-78, 75-87 ([https://doi.org/10.1016/S0378-3820\(02\)00062-0](https://doi.org/10.1016/S0378-3820(02)00062-0))
- A-008 **G. Skodras**, and G.P. Sakellariopoulos, "Mineral Matter Effects in Lignite Gasification", *Fuel Processing Technology*, 2002, 77-78, 151-158 ([https://doi.org/10.1016/S0378-3820\(02\)00063-2](https://doi.org/10.1016/S0378-3820(02)00063-2))
- A-009 **G. Skodras**, P. Grammelis, E. Kakaras and G.P. Sakellariopoulos, "Evaluation of the Environmental Impact of Waste Wood Co-utilisation for Energy Production", *15th International Conference on Efficiency, Costs, Optimisation, Simulation and Environmental Impact of Energy Systems, (ECOS 2002)*, Proceedings, p. 796-803, Berlin, Germany, July 3 – 5, 2002
- A-010 E. Kakaras, P. Grammelis, **G. Skodras** and P. Vourliotis, "Experience on combustion and Co-combustion of Greek Brown Coal in Fluidized Bed Facilities", *17th International Conference on Fluidized Bed Combustion*, Proceedings, FBC 2003-128, pp. 499-517, Jacksonville, Florida, USA, May 18 – 21, 2003 (<https://doi.org/10.1115/FBC2003-128>)
- A-011 Th. Orfanoudaki, **G. Skodras**, I. Dolios and G.P. Sakellariopoulos, "Production of Carbon Molecular Sieves by Plasma-Treated Activated Carbon Fibres", *Fuel*, 2003, 82(15-17), 2045-2049 ([https://doi.org/10.1016/S0016-2361\(03\)00172-8](https://doi.org/10.1016/S0016-2361(03)00172-8))
- A-012 **G. Skodras**, S. Kaldis, G.P. Sakellariopoulos, O. Faltsi, and D. Sofialidis, "Simulation of a Molten Bath Gasifier by Using CFD Code", *Fuel*, 2003, 82(15-17), 2033-2044 ([https://doi.org/10.1016/S0016-2361\(03\)00171-6](https://doi.org/10.1016/S0016-2361(03)00171-6))
- A-013 P. Grammelis, **G. Skodras** and E. Kakaras, "Thermal Exploitation of Wastes with Lignite for Energy Production", *Journal of Air and Waste Management Association*, 2003, 53(11), 1301-1311 (<https://doi.org/10.1080/10473289.2003.10466304>)
- A-014 **G. Skodras**, P. Amarantos and E. Kakaras, "FBC Utilisation Prospects in Decentralised Cogeneration Units in Caucasus Region Countries", *Thermal Science – International Scientific Journal*, 2003, 7(2), 17-32 ([Thermal Science - scientific journal \[paper: FBC utilization prospects in decentralized cogeneration units in Caucasus region countries\] \(vinca.rs\)](https://doi.org/10.1016/j.energy.2004.03.017))
- A-015 E. Kakaras, P. Grammelis, **G. Skodras** and P. Vourliotis, "Fluidised Bed Combustion with the Use of Greek Solid Fuels", *Thermal Science – International Scientific Journal*, 2003, 7(2), 33-42 ([Thermal Science - scientific journal \[paper: FLUIDIZED BED COMBUSTION WITH THE USE OF GREEK SOLID FUELS\] \(vinca.rs\)](https://doi.org/10.1016/j.energy.2004.03.017))
- A-016 **G. Skodras**, Ev. Karlopoulos and E. Kakaras, "Financial Support Possibilities for Clean Coal Technologies – An Overview", *Energy Engineering Journal*, 2003, 5, 38-41, (in Chinese)
- A-017 **G. Skodras**, P.S. Amarantos, E. Papadopoulou and E. Kakaras, "Utilisation of Landfill-gas for Energy Production – Operational Experience from a 13.8 MW_e Power Plant", *Energy Engineering Journal*, 2003, 5, 46-48, (in Chinese)
- A-018 **G. Skodras**, B. Panousis, P.S. Amarantos and E. Kakaras, "Efficient Implementation of DH Technology for Domestic Heating in Greece", *Energy Engineering Journal*, 2003, 5, 64-67, (in Chinese)
- A-019 **G. Skodras**, Ir. Diamantopoulou., P. Natas, Th. Orfanoudaki, P.S. Amarantos, G.G. Stavropoulos and G.P. Sakellariopoulos, "Mercury and PCBs Adsorption on Activated Carbons: Experimentation and Modelling", *8th International Conference on Environmental Science and Technology (8th CEST)*, Proceedings (ISBN 860-7475-24-0), Vol. A, pp. 800-813, (ed. T.D. Lekkas), Lemnos Island, Greece, September 8 – 10, 2003
- A-020 S.P. Kaldis, **G. Skodras** and G.P. Sakellariopoulos, "Energy and Capital Cost Analysis of CO₂ Capture in Coal IGCC Processes via Gas Separation Membranes", *Fuel Processing Technology*, 2004, 85(5), 337-346 ([https://doi.org/10.1016/S0378-3820\(03\)00204-2](https://doi.org/10.1016/S0378-3820(03)00204-2))
- A-021 **G. Skodras**, P. Grammelis, E. Kakaras and G.P. Sakellariopoulos, "Evaluation of the Environmental Impact of Waste Wood Co-utilisation for Energy Production", *Energy – The International Journal*, 2004, 29, 2181-2193 (<https://doi.org/10.1016/j.energy.2004.03.017>)
- A-022 **G. Skodras**, A. Palladas and G.P. Sakellariopoulos, "Effect of Urea on PCDD/F Formation During Combustion of Coal and Olive Kernel in a Pilot Scale Boiler", *Organohalogen Compounds*, 2004, 66, 1199-1205

- A-023 **G. Skodras** and Ed. Someus, "Clean Solid Fuels Production by Low Temperature Carbonisation for Sustainable Energy Generation", *Energy Engineering Journal*, 2004, 3, 31-33, (in Chinese)
- A-024 G. Stavropoulos, and **G. Skodras**, "Wood Residue Combustion for Energy Conservation", *Energy Engineering Journal*, 2004, 3, 43-45, (in Chinese)
- A-025 P. Grammelis, E. Kakaras, **G. Skodras** and D. Vamvuka, "A Methodological Tool of Biomass Combustion Modelling", *European Combustion Meeting (ECM2005)*, Proceedings, Louvain-la-Neuve, Belgium, April 3 – 6, 2005
- A-026 P. Grammelis, N. Koukouzas, **G. Skodras**, E. Kakaras and A. Toumanovski, "CFB Refurbishment Opportunities in Russia", *18th International Conference on Fluidized Bed Combustion*, Proceedings, FBC 2005-78033, pp. 55-63, Toronto, Ontario, Canada, May 22 – 25, 2005 (<https://doi.org/10.1115/FBC2005-78033>)
- A-027 **G. Skodras**, P. Grammelis, P. Basinas, E. Kakaras and G.P. Sakellariopoulos, "Main Characteristics of Biomass and Waste During Devolatilisation and Combustion Processes", *18th International Conference on Efficiency, cost Optimization, Simulation and Environmental Impact of Energy Systems, (ECOS 2005)*, Proceedings, Vol. III, pp. 1605-1613, Trondheim, Norway, June 20 – 22, 2005
- A-028 D. Sofialidis, O. Faltsi, K. Sardi, G. Skevis, **G. Skodras**, S.P. Kaldis and G.P. Sakellariopoulos, "Modelling Low-Temperature Carbonization of Solid Fuels in a Heated Rotary Kiln for Clean Fuel Production", *Fuel*, 2005, 84, 2211-2221 (<https://doi.org/10.1016/j.fuel.2005.04.021>)
- A-029 **G. Skodras**, Ir. Diamantopoulou, P. Natas, A. Palladas, and G.P. Sakellariopoulos, "Post-combustion Measures for Cleaner Solid Fuels Combustion: Activated Carbons for Toxic Pollutants Removal from Flue Gases", *Energy & Fuels*, 2005, 19, 2317-2327 (<https://doi.org/10.1021/ef050112h>)
- A-030 **G. Skodras**, Ir. Diamantopoulou and G.P. Sakellariopoulos, "Role of Activated Carbons Structural Properties and Surface Chemistry in Mercury Adsorption", *9th International Conference on Environmental Science and Technology (9th CEST)*, Proceedings (ISBN 960-7475-33-X), Vol. A, pp. 1354-1359, (ed. T.D. Lekkas), Rhodes Island, Greece, September 1 – 3, 2005 (<https://www.tib.eu/en/search/id/BLCP:CN057224240/Role-of-activated-carbon-structural-properties?cHash=7b2675e36f770583fcd96a47db2949bd>)
- A-031 **G. Skodras**, P. Natas, P. Basinas and G.P. Sakellariopoulos, "Effects of Pyrolysis Temperature, Residence Time on the Reactivity of Clean Coals Produced from Poor Quality Coals", *9th International Conference on Environmental Science and Technology (9th CEST)*, Proceedings (ISBN 960-7475-33-X), Vol. A, pp. 1360-1365, (ed. T.D. Lekkas), Rhodes Island, Greece, September 1 – 3, 2005 (<https://www.tib.eu/en/search/id/BLCP:CN057224251/Effects-of-pyrolysis-temperature-residence-time?cHash=beb9273826883de857069e72dbd906e2>)
- A-032 M.A. Goula, C. Skitzi, and **G. Skodras**, "Potential of Fly Ash Utilisation in Greece", *9th International Conference on Environmental Science and Technology (9th CEST)*, Proceedings (ISBN 960-7475-33-X), Vol. A, pp. 510-515, (ed. T.D. Lekkas), Rhodes Island, Greece, September 1 – 3, 2005 (<https://www.tib.eu/en/search/id/BLCP:CN057222928/Potential-of-fly-ash-utilization-in-Greece?cHash=4cd6d3e51ba5bbede3f2f88709130a2>)
- A-033 **G. Skodras**, P. Natas, P. Basinas and G.P. Sakellariopoulos, "Effects of pyrolysis temperature, residence time on the reactivity of clean coals produced from poor quality coals", *Global Nest, The International Journal*, 2006, 8(2), 89-94 (<https://doi.org/10.30955/gnj.000350>)
- A-034 **G. Skodras**, P. Basinas, P. Grammelis, E. Kakaras and G.P. Sakellariopoulos, "Pyrolysis and Combustion Characteristics of Biomass and Waste-Derived Feedstock", *Industrial & Engineering Chemistry Research*, 2006, 45(11), 3791-3799 (<https://doi.org/10.1021/ie060107g>)
- A-035 P. Grammelis, **G. Skodras**, E. Kakaras, "Effects of Biomass Co-firing with Coal on Ash Properties. Part I: Characterisation and PSD", *Fuel*, 2006, 85(16), 2310-2315 (<https://doi.org/10.1016/j.fuel.2006.01.036>)
- A-036 P. Grammelis, **G. Skodras**, E. Kakaras, D.J. Karangelos, N.P. Petropoulos, M.J. Anagnostakis, E.P. Hiniis, S.E. Simopoulos, "Effects of Biomass Co-firing with Coal on Ash Properties. Part II: Leaching, Toxicity and Radiological Behaviour", *Fuel*, 2006, 85(16), 2316-2322 (<https://doi.org/10.1016/j.fuel.2006.01.035>)
- A-037 **G. Skodras**, S.P. Kaldis, D. Sofialidis, O. Faltsi, P. Grammelis and G.P. Sakellariopoulos, "Particulate Removal Via Electrostatic Precipitators – CFD Simulation", *Fuel Processing Technology*, 2006, 87(7), 623-631 (<https://doi.org/10.1016/j.fuproc.2006.01.012>)
- A-038 **G. Skodras**, M. Prokopidou and G.P. Sakellariopoulos, "Leaching and Toxicity Behaviour of Coal – Biomass – Waste Co-combustion Ashes", *Environmental Toxicology*, 2006, 21(4), 317-323 (<https://doi.org/10.1002/tox.20192>)
- A-039 **G. Skodras**, P. Natas, P. Grammelis and G.P. Sakellariopoulos, "Effect of Pyrolysis Temperature and Residence Time on the Removal of Pollutants from Poor Quality Coals and Wastes", *WSEAS Transactions on Environment and Development*, 2006, 6(2), 747-754
- A-040 P. Grammelis, **G. Skodras**, and E. Kakaras, "An Economic and Environmental Assessment of Biomass Utilization in Lignite-fired Power Plants of Greece", *International Journal of Energy Research*, 2006, 30(10), 763-775 (<https://doi.org/10.1002/er.1182>)
- A-041 P. Grammelis, N. Koukouzas, **G. Skodras**, E. Kakaras, A. Toumanovsky, "Refurbishment Priorities at the Russian Coal-fired Power Sector for Cleaner Energy Production – Case Studies", *Energy Policy*, 2006, 34(17), 3124-3136 (<https://doi.org/10.1016/j.enpol.2005.06.009>)

- A-042 G. Stavropoulos, Ir. Diamantopoulou, **G. Skodras**, G.P. Sakellaropoulos, "High Activity Carbon sorbents for Mercury Capture", *Thermal Science – International Scientific Journal*, 2006, 10(3), 19-26 ([Thermal Science - scientific journal \[paper: High activity carbon sorbents for mercury capture\] \(vinca.rs\)](#))
- A-043 **G. Skodras**, P. Natas, P. Basinas, G.P. Sakellaropoulos, "Removal of Pollutants from Poor Quality Coals by Pyrolysis", *Thermal Science – International Scientific Journal*, 2006, 10(3), 39-54 ([Thermal Science - scientific journal \[paper: Removal of pollutants from poor quality coals by pyrolysis\] \(vinca.rs\)](#))
- A-044 **G. Skodras**, S. Kaldis, S. Topis, D. Koutsonikolas, G.P. Sakellaropoulos, "Gas Pollutant Cleaning by a Membrane Reactor", *Thermal Science – International Scientific Journal*, 2006, 10(3), 143-149 ([Thermal Science - scientific journal \[paper: Gas pollutant cleaning by a membrane reactor\] \(vinca.rs\)](#))
- A-045 **G. Skodras**, Ir. Diamantopoulou and G.P. Sakellaropoulos, "Experimental Study on Effect of Pore Structure and Surface Chemistry of Activated Carbons on Mercury Adsorption", *17th International Congress of Chemical and Process Engineering (CHISA 2006)*, *Proceeding*, Prague, Czech Republic, August 27 – 31, 2006
- A-046 **G. Skodras**, P. Grammelis P. Basinas S. Kaldis and G.P. Sakellaropoulos, "Kinetics of MBM Devolatilization", *17th International Congress of Chemical and Process Engineering (CHISA 2006)*, *Proceeding*, Prague, Czech Republic, August 27 – 31, 2006
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- P-038 D. Sofialidis, O. Faltsi, **G. Skodras**, S. Kaldis and G.P. Sakellariopoulos, "Computer Simulation of Coal Gasification in a Slag Reactor Using a Customized Commercial CFD Code", *Greek Section of the Combustion Institute, 3rd Meeting*, Patras, Greece, November 7 – 8, 2003
- P-039 **G. Skodras** and S. Kaldis, "CO₂ Abatement Measures in Greece – Assessment, Research and Development", *OPET Annual General Meeting*, Bratislava, Slovakia, October 30 – 31, 2003
- P-040 **G. Skodras** and S. Kaldis, "CO₂ Abatement Measures in Greece – Assessment, Research and Technology Development", *Seminar on "CO₂ Capture and Storage"*, Madrid, May 5, 2004
- P-041 **G. Skodras**, S. Kaldis and P. Amarantos, "Advanced Materials for CO₂ Capture in Coal Upgrading Processes", *Seminar on "Development and Market Penetration of Cleaner Fossil Technologies (CTF) for Power Generation"*, Potsdam, May 13 – 14, 2004, Germany
- P-042 **G. Skodras**, "Promotion of Cleaner Fossil Fuel Technologies in Europe and Asia", *OPET Valorisation Meeting*, Brussels, Belgium, May 26 – 27, 2004
- P-043 D. Sofialidis, O. Faltsi, **G. Skevis**, G. Skodras, S.P. Kaldis, and G.P. Sakellariopoulos, "Modelling Low Temperature Carbonization of Solid Fuels in a Heated Rotary Kiln for Clean Gas Fuel Production", *5th European Conference on Coal Research & its Applications*, Edinburg, UK, September 6 – 8, 2004
- P-044 **G. Skodras**, G.G. Stavropoulos, and G.P. Sakellariopoulos, "Reactivity of Lignite Chars with CO₂", *5th European Conference on Coal Research & its Applications*, Edinburgh, UK, September 6 – 8, 2004
- P-045 **Skodras G.**, Palladas A. and Sakellariopoulos G.P., "Effect of Urea on PCDD/F Formation During Combustion of Coal and Olive Kernels in a Pilot Scale Boiler", *24th International Symposium on Halogenated Environmental Organic Pollutants and POPs, DIOXIN 2004*, Berlin, Germany, September 6 – 10, 2004
- P-046 S. Kaldis, **G. Skodras**, G. Pantoleonos and G.P. Sakellariopoulos, D. Sofialidis and O. Faltsi, "Application of CFD Modelling in Coal Upgrading Processes for Higher Energy Efficiency and Lower Environmental Impacts", *2nd Workshop of CPERI*, Proceedings, pp. 51 – 54, Thessaloniki, Greece December 15 – 16, 2004

- P-047 **G. Skodras**, Ir. Diamantopoulou, P. Natas, Th. Orfanoudaki and G.P. Sakellaropoulos, "Production, Characterization and Application of Advanced Carbon Materials in Removal of Polluting Substances", 2nd Workshop of CPERI, Proceedings, pp. 91 – 94, Thessaloniki, Greece December 15 – 16, 2004
- P-048 P. Grammelis, **G. Skodras**, E. Kakaras, D. Karangelos N. Petropoulos, M. Anagnostakis and S. Simopoulos, "Utilisation of Biomass Co-combustion Residues Coming from Pulverised Coal Boilers", World of Coal Ash Conference – Science, Applications and Sustainability, (WOCA), Proceedings, Lexington, Kentucky, USA, April 11-15, 2005
- P-049 P. Grammelis, **G. Skodras**, E. Kakaras, D. Karangelos N. Petropoulos, M. Anagnostakis and S. Simopoulos, "Coal Fly Ash Utilization in Greece", World of Coal Ash Conference – Science, Applications and Sustainability, (WOCA), Proceedings, Lexington, Kentucky, USA, April 11-15, 2005
- P-050 **G. Skodras**, P. Natas and G.P. Sakellaropoulos, "Poor Quality Coals and Wastes Pyrolysis for Clean Coal Production", 2nd International Conference on Clean Coal Technologies (CCT2005), Cagliari, Sardinia, Italy, May 10 – 12, 2005
- P-051 **G. Skodras**, Ir. Diamantopoulou and G.P. Sakellaropoulos, "Hg Adsorption in Activated Carbons Originated from Ptolemais Lignite", 5th Panhellenic Conference in Chemical Engineering, Thessaloniki, Greece, May 26 – 28, 2005
- P-052 D. Koutsonicolas, S. Topis, S. Kaldis, **G. Skodras** and G.P. Sakellaropoulos, "Study of Ammonia Decomposition in a Catalytic Membrane Reactor", 5th Panhellenic Conference in Chemical Engineering, Thessaloniki, Greece, May 26 – 28, 2005
- P-053 D. Koutsonicolas, S. Topis, S. Kaldis, **G. Skodras** and G.P. Sakellaropoulos, "Hydrogen Separation in commercial Pd-Cu/V Membrane", 2nd National Conference on Hydrogen Technologies, Proceedings, pp. 94-100, Thermi – Thessaloniki, Greece, October 20 – 22, 2005
- P-054 **G. Skodras**, "Environmental Impacts from Electricity Generation", Workshop on "Protection of the Environment – Public Health", Ministry of Health and Social Solidarity, Ptolemais General Hospital "Bodosakeio", Ptolemais, April 9, 2005
- P-055 **G. Skodras**, M. Prokopidou and G.P. Sakellaropoulos, "Toxicity Behaviour of Leachates from Coal-Biomass Co-combustion Ashes", 12th International Symposium on Toxicity Assessment, Proceedings, Skiathos, Greece, June 12 – 17, 2005
- P-056 G.G. Stavropoulos, Ir. Diamantopoulou, **G. Skodras** and G.P. Sakellaropoulos, "High Activity Carbon Sorbents for Mercury Capture", International Symposium on "Moving Towards Zero Emission Plants", Proceedings, Leptokarya – Pieria, Greece, June 20 – 22, 2005
- P-057 **G. Skodras**, P. Natas, P. Basinas and G.P. Sakellaropoulos, "Effect of Pyrolysis Conditions on Reactivity of Clean Coals Produced from Poor Quality Coals", International Symposium on "Moving Towards Zero Emission Plants", Proceedings, Leptokarya – Pieria, Greece, June 20 – 22, 2005
- P-058 D. Sofialidis, O. Faltsi, K. Sardi and G. Skevis, **G. Skodras**, S.P. Kaldis and G.P. Sakellaropoulos, "Numerical Simulations of Low-Temperature Carbonization in a Heated Rotary Kiln for Clean Fuel Production", International Symposium on "Moving Towards Zero Emission Plants", Proceedings, Leptokarya – Pieria, Greece, June 20 – 22, 2005
- P-059 S. Topis, D. Koutsonikolas, S.P. Kaldis, **G. Skodras** and G.P. Sakellaropoulos, "Gas Pollutant Cleaning by a Membrane Reactor", International Symposium on "Moving Towards Zero Emission Plants", Proceedings, Leptokarya – Pieria, Greece, June 20 – 22, 2005
- P-060 **G. Skodras**, S.P. Kaldis, S. Topis, D. Koutsonikolas, P. Grammelis and G.P. Sakellaropoulos, "NH₃ Decomposition and Simultaneous H₂ Separation with a Commercial Pd-Cu-Ag/V Membrane", *Proceeding of The Second International Green Energy Conference, IGEC – 2*, pp. 18-24, Oshawa – Ontario, Canada, June 25 – 29, 2006, paper No IGEC2-141
- P-061 **G. Skodras**, E. Someus, P. Grammelis, A. Palladas, P.S. Amarantos, P. Basinas, P. Natas, M Prokopidou, Ir. Diamantopoulou, and G.P. Sakellaropoulos, "Combustion and Environmental Performance of Clean Coal End Products", *IGEC – 2, The Second International Green Energy Conference, Proceeding*, pp. 739-750, Oshawa – Ontario, Canada, June 25 – 29, 2006
- P-062 **G. Skodras**, P. Grammelis, M. Prokopidou and G.P. Sakellaropoulos, "Leaching and Toxicity Behaviour of Ashes from Circulating Fluidised Bed Combustion", *IGEC – 2, The Second International Green Energy Conference, Proceedings*, pp. 632-640, Oshawa – Ontario, Canada, June 25 – 29, 2006
- P-063 **G. Skodras**, M. Prokopidou, P. Grammelis, and G.P. Sakellaropoulos, "Leaching and Toxicity Behaviour of Coal – MBM Co-combustion Ashes", *Protection and Restoration of the Environment VIII, Proceeding*, pp. 1-9, Chania – Crete, Greece, July 3 – 7, 2006
- P-064 D. Koutsonikolas, S. Topis, S. Kaldis, **G. Skodras** and G.P. Sakellaropoulos, "Ammonia Decomposition in a Catalytic Membrane Reactor: Comparison of Various Materials", International Conference on "Advanced Membrane Technology III: Membrane Engineering for Process Intensification", Proceedings, Centrato, Italy, June 11 – 15, 2006
- P-065 D. Koutsonikolas, S. Topis, S. Kaldis, **G. Skodras** and G.P. Sakellaropoulos, "Catalytic Membrane Reactor for Ammonia Decomposition from Coal Gasification Streams", 6th European Conference on Coal Research and its Applications, Kent, UK, September 5 – 7, 2006
- P-066 **G. Skodras**, P. Grammelis, P. Basinas, and G.P. Sakellaropoulos, "Pyrolysis Kinetics and Combustion Characteristics of Waste Recovered Fuels", 6th European Conference on Coal Research and its Applications, Kent, UK, September 5 – 7, 2006
- P-067 D. Koutsonicolas, S. Topis, S. Kaldis, **G. Skodras** and G.P. Sakellaropoulos, "Ceramic Membranes Modification by CVD to be used in Catalytic Membrane Reactor", 6th Panhellenic Conference in Chemical Engineering, Proceedings, Vol A, pp. 73 – 75, Athens, Greece, May 31 – June 2, 2007

- P-068 P. Grammelis, **G. Skodras**, V. Delvinquier, B. Lial, M. Prokopidou, E. Kakaras, G.P. Sakellaropoulos, "Multi air staging for NOx reduction in re-circulating fluidised bed boilers", *2nd International Conference on Clean Coal Technologies (CCT2007)*, Cagliari, Sardinia, Italy, May 15 – 17, 2007
- P-069 D. Koutsonikolas, S. Topis, **G. Skodras**, S. Kaldis, G.P. Sakellaropoulos, "Modification Methods of Commercial Ceramic Membranes for Selectivity Enhancement", *2nd International School and Workshop on Inside Pores*, CERTH, Thessaloniki, Greece, February 24 – 28, 2007
- P-070 **G. Skodras**, P. Natas, P. Basinas, P. Grammelis, E. Kakaras and G.P. Sakellaropoulos, "Greek Lignite Pyrolysis for the Production of "Clean" Solid Fuels", *2nd Panhellenic Conference of Alternative Fuels and Biofuels*, Lake Plastira, Neochori Karditsa, Greece, April 26 – 27, 2007
- P-071 **G. Skodras**, P. Grammelis, P. Basinas, M. Prokopidou, E. Kakaras and G.P. Sakellaropoulos, "A Comparative Study on the Thermochemical Conversion of Residue Derived Fuels", *First International Conference on Environmental Management, Engineering Planning and Economics (CEMEPE)*, Skiathos Island, Greece, June 24 – 28, 2007
- P-072 P. Grammelis, **G. Skodras**, M. Prokopidou, V. Delvinquier, B. Lial, E. Kakaras and G.P. Sakellaropoulos, "Investigations on the operating performance and ash toxicity of CFBC with imported coals", *Proceedings, Code 106582, 9th International Conference on Circulating Fluidized Beds, CFB 2008*, in Conjunction with the *4th International VGB Workshop on Operating Experience with Fluidized Bed Firing Systems*, Hamburg, Germany, May 13 – 16, 2008
- P-073 P. Basinas, **G. Skodras**, P. Grammelis, S. Spirakis, M. Karampinis, G. Pantoleontos, E. Kakaras, G.P. Sakellaropoulos, "Technology development for the production of "clean" solid fuels from lignites and wastes", *Workshop, Structural Fund of Western Macedonia, Ptolemais*, January 17, 2008
- P-074 A. Sideridis, D. Koutsonikolas, D. Misirlis, S. Topis, S. Kaldis, **G. Skodras**, G.P. Sakellaropoulos, "Computational Fluid Dynamics Study on the Decomposition of Ammonia in a Selective Porous Membrane", *Computer Aided Process Engineering Forum (CAPE Forum)*, (<http://cape.cperi.certh.gr>), *Proceedings*, pp. 32-33, Thessaloniki, Greece, February 7 – 8, 2008
- P-075 P. Basinas, P. Grammelis, J.R.Grace, C.J. Lim, **G. Skodras**, E. Kakaras and G.P. Sakellaropoulos, "CO₂ and SO₂ Capture Capability of Two Greek Limestones under FBC Combustion Conditions", *Global Conference on Global Warming*, Instabul, Turkey, July 6 – 10, 2008
- P-076 A. Sideridis, D. Koutsonikolas, D. Misirlis, S. Topis, S. Kaldis, **G. Skodras**, G.P. Sakellaropoulos, "CFD Study in a Selective Porous CMR for NH₃ Decomposition", *ICIM 10 Conference*, Mt. Fujii, Japan, August 8, 2008
- P-077 Ir. Diamantopoulou, **G. Skodras**, and G.P. Sakellaropoulos, "Effect of Activated Carbon Pore Structure and Flue Gas Components on Mercury Adsorption", *7th European Conference on Coal Research and its Applications*, Cardiff, UK, September 3 – 5, 2008
- P-078 P. Landuyt, M.I. Pistelli, D. Mirabile, **G. Skodras**, K. Thomas, "Zero dioxin releases in coal combustion and coal/organic waste co-combustion processes", (2004) *Research Programme of the Research Fund for Coal and Steel*, RFCR-CT-2004-00007, Brussels, Belgium, 2010
- P-079 G.G. Stavropoulos, **G. Skodras**, G.P. Sakellaropoulos, "A sustainable cyanide disposal scheme based on activated carbon adsorption – regeneration", *8th European Conference on Coal Research and its Applications*, Leeds, UK, September 6 – 8, 2010
- P-080 **G. Skodras** and G.P. Sakellaropoulos, "Catalysis and Compensation Effects in Coal – CO₂ Gasification", *8th European Conference on Coal Research and its Applications*, Leeds, UK, September 6 – 8, 2010
- P-081 **G. Skodras**, "Energy & Development: An Integrated Approach of the Greek Energy Issue", *Conference «Lignite – Energy – Environment»*, Union of Employees in PPC-DESMHE "the UNION", Kozani, Greece, October 29-30, 2010
- P-082 Ir. Diamantopoulou, A. Palladas, **G. Skodras** and G.P. Sakellaropoulos, "Abatement of environmental pollution from coal combustion processes: The mercury and PCDD/F cases", *5th International Conference on Clean Coal Technologies (CCT2011)*, Zaragoza, Spain, May 8 – 12, 2011
- P-083 Ir. Diamantopoulou, A. Palladas, **G. Skodras** and G.P. Sakellaropoulos, "Control of mercury and PCDD/F from coal combustion processes: The mercury and PCDD/F cases", *8th Panhellenic Conference of Chemical Engineering*, *Proceedings*, Thessaloniki, Greece, May 26 – 28, 2011
- P-084 G.G. Stavropoulos, **G. Skodras** and G.P. Sakellaropoulos, "Isosteric Heat of Hydrogen and Nitrogen Adsorption on Activated Carbons", *5th International Conference on Clean Coal Technologies (CCT2011)*, Zaragoza, Spain, May 8 – 12, 2011
- P-085 **G. Skodras**, N. Zafeiriou and G.P. Sakellaropoulos, "Cation-exchange capability (C.E.C.) of poor quality coal chars", *9th European Conference on Coal Research and its Applications*, Nottingham, UK, September 8 – 10, 2012
- P-086 **G. Skodras**, G. Nenes and N. Zafeiriou, "Study of low rank coal – CO₂ gasification by applying Weibull distribution in kinetic parameters", *6th International Conference on Clean Coal Technologies (CCT2013)*, Thessaloniki, Greece, May 12 – 16, 2013
- P-087 **G. Skodras**, D. Koutsonikolas and Gr. Pantoleontos, "Hybrid catalytic membrane reactor for hydrogen separation and gas cleaning in IGCC process", *International Congress on "Materials and Renewable Energy"*, Athens, Greece, July 1 – 3, 2013 (organized by the Bolton University, UK)
- P-088 G.G. Stavropoulos, **G. Skodras**, and K.G. Papadimitriou, "Effect of solution chemistry on cyanide adsorption in activated carbon", *6th International Conference on Clean Coal Technologies (CCT2013)*, Thessaloniki, Greece, May 12 – 16, 2013

- P-089 G.P. Sakellariopoulos, M. Lulas, **G. Skodras**, G. Nenes, "Safety management in the transportation of dangerous and sensitive goods", VII International Scientific and Technical Conference in "Logistic Systems: Theory and Practice", Lidzbark Warminski, Poland – September 2 - 5, 2014
- P-090 **G. Skodras**, "The role of surface chemistry of Hg⁰ adsorption in activated carbons", Workshop in "Advanced Materials for Mercury Capture" (abstract), SYNERGASIA programme, Aristotle University, Thessaloniki, Greece – June 30, 2015
- P-091 S. Lazarou, E.I. Gkanas, S.S. Makridis, and **G. Skodras**, "Hydrogen as a fuel that contributes to climate change mitigation: A simulated approach on GCAM", Proceedings, *7th World Hydrogen Technology Convention*, at Prague, Czech Republic, 2017
- P-092 E. Gkanas, S. Makridis, G. Panagakos, A. Stubos, M. Panagiota, **G. Skodras**, K. Martin, "Effective heat management of rectangular metal hydride tanks for green building applications", Proceedings (ENS-078), *7th World Hydrogen Technology Convention*, at Prague, Czech Republic, 2017
- P-093 E.I. Gkanas, M. Khzouz, **G. Skodras** and S.S. Makridis, "Parametric Studies on the Heat Management of Metal Hydride Tanks for Sustainable Building Applications", Proceedings, CSMT 2018, International Conference on "Computational Materials Science and Thermodynamic Systems, University of Cambridge, UK, March 22-23, 2018
- P-094 E.I. Gkanas, S.S. Makridis and **G. Skodras**, "Usage of Metal Hydrides to Enhance the Sustainability of the New Buildings Generation", Proceedings, 11th International Conference on Sustainable Energy and Environmental Protection (SEEP2018), Scotland, May 8-10, 2018
- P-095 R.E. Sotiropoulou, M. Serafidou and **G. Skodras**, "Effect of oxygen functional groups on mercury retention in activated carbons" Proceedings, 16th CEST 2019, International Conference on Environmental Science and Technology, Rhodes, Greece, Sept 4-7, 2019
- P-096 A. Liolios, **G. Skodras**, K. Georgiev and I. Georgiev, "A stochastic analysis of RC structures under progressive environmental collapse considering uncertainty and strengthening by ties", Proceedings, International Conference on "High Performance Computing 2019", September 2-6, 2019, Borovets, Bulgaria
- P-097 A. Liolios, **G. Skodras**, K. Liolios and B. Folic, "A stochastic approach for dynamic soil-pipe interaction under environmental effects", Proceedings, 8th Conference of Association of Civil Engineers of Serbia (ACES), on "Geotechnics in Civil Engineering", November 13-15, Vrnjačka Banja, Serbia
- P-098 C. Athanasiou, C. Drosakis, I. Garagounis, A. Vouros, **G. Skodras**, "Biogas assisted electrolysis over LCTM anodes in an oxygen conducting solid oxide electrolysis cell", Proceedings, pp. 155-162, 22nd International Conference on Solid State Ionics (SSI-22), June 16-21, 2019, Gangwon-Do, Korea
- P-099 K. Liolios, **G. Skodras**, K. Georgiev, I. Georgiev, "Analysis of contaminant removal in constructed wetlands under step-feeding: A Monte Carlo based stochastic treatment accounting for uncertainty", Proceedings, p. 61 Bulgarian Section of SIAM, BGSIAM'19, Dec 17-19, 2019, Sofia
- P-100 K. Liolios, **G. Skodras**, K. Georgiev, I. Georgiev, "Effluent recirculation for contaminant removal in constructed wetlands under uncertainty: A stochastic numerical approach based on Monte Carlo Methodology", 13th International Conference on "Large-Scale Scientific Computations" (LSSC 2021), June 7-11, 2021, Sozopol, Bulgaria
- P-101 A. Aggelakakis, A. Anagnostopoulou, E. Spyrou, K. Karagkouni, G. Skodras and M. Boile, "Challenges and practices for public transport in the city of Thessaloniki during the COVID-19 pandemic period", 10th International Congress on Transportation Research "Future Mobility and Resilient Transport: Transition to innovation", Rhodes, Sep. 1-3, 2021

Sec. 14 – Invited speaker

- G. Skodras**, "Sewerage sludge management at the Thessaloniki waste water treatment plant", Workshop "Sewerage sludge management – Zero hour", the "Network for energetic utilization and thermal treatment of solid and liquid wastes", (Proceedings NEUTRA Newsletter, No 1, December 2006), School of Engineering AUTH, Thessaloniki, January 31st, 2006
- G. Skodras**, "Drinking water supply at the Thessaloniki metropolitan area", Workshop «Thessaloniki, Environment – Drinking water » Money Show 2007, German-Greek Chamber of Commerce and Industry, Hotel Hyatt, Thessaloniki, December 2nd, 2007
- G. Skodras**, "Waste water treatment plants of the EYATH SA – Protection of the Thermaikos gulf", Workshop "Thermaikos – The sea nearby", Ministry of Macedonia – Thrace, Conference Center of the Pireaus Bank, Thessaloniki, March 20th, 2008
- G. Skodras**, "Management of water resources – Strategic planning for the security of the drinking water supply in the metropolitan area of Thessaloniki", Workshop on "Water: The hour of responsibility", NOESIS – Museum of Technology, Thessaloniki, March 20th, 2008
- G. Skodras**, "Treatment of drinking water in the metropolitan area of Thessaloniki", 2nd Interdisciplinary Conference on "Modern Nutrition Challenges for Safety and Quality of Food", Interdisciplinary Society of Food Hygiene Assurance, Makedonia Palace Hotel, Thessaloniki, June 6-8, 2008
- G. Skodras**, "Management and drinking water and sewerage network – Environmental concerns" 4^o Business Forum "ECO-ECOs", 73rd DETH – HELEXPO, Conference Center I.Vellidis, Thessaloniki, Greece, September 7, 2008

7. **G. Skodras**, “Green technologies for the protection of the environment and the preservation of the natural resources”, 1st Panhessalic Forum on “Green entrepreneurship”, American-Hellenic Chamber of Commerce & Association of the Enterprises and Industries of Thessaly, Hotel Larissa Imperial Hotel, Larissa, Greece, December 5th, 2008
8. **G. Skodras**, “Water: Social good or marketable product”, Workshop on “Our response to the challenge to protect the earth”, The French Institute of Thessaloniki, NOESIS – Museum of Technology, The Chair of UNESCO for the water management at the Aristotle University of Thessaloniki, Thessaloniki, March 13th, 2009
9. **G. Skodras**, “Energy & Development: An Integrated Approach of the Greek Energy Issue”, conference “Lignite – Energy – Environment”, Union of Employees in PPC-DESMHE “the UNION”, Kozani, Greece, October 29-30, 2010
10. **G. Skodras**, “Fundamental energy issues in the European Union”, Workshop on “Corporate legislation: Recent changes and impacts”, European Law Students Association (ELSA Thessaloniki) – Association for the youth entrepreneurship, Thessaloniki, Greece, November 29th, 2013
11. **G. Skodras**, “Safety management in the transportation of dangerous and sensitive goods” Plenary Lecture, VII International Scientific and Technical Conference in “Logistic Systems: Theory and Practice”, Lidzbark Warminski, Poland – September 2 - 5, 2014
12. **G. Skodras**, “The contribution of EGNATIA ODOS in road safety” Plenary Lecture, Workshop on “Road safety: Improvement through training and updating”, CERTH, Themi-Thessaloniki, Greece – December 1, 2014
13. **G. Skodras**, “The construction of road infrastructure at the regional area of Florina” Plenary Lecture, International Entrepreneurship & Development Conference on “Sustainable development, tourism, entrepreneurship and inter-Balkan cooperation”, Region of Western Macedonia, Chamber of Commerce, Municipalities of Florina, Amynteon and Prespes, Florina, Greece – December 12-13, 2014
14. **G. Skodras**, “Personnel safety issues at Egnatia Odos road”, Lecture in Round table, 6th Panhellenic Conference on “Road Safety 2015”, Ministry of Transport, Athens’ National Technical University, Hellenic Association of Traffic Engineers, Athens, Greece – March 12-13, 2015
15. **G. Skodras**, “Fundamental issues about the Thessaloniki public transportation system”, Workshop on “Thessaloniki plan”, Makedonia newspaper and www.makthes.gr, Makedonia Palace Hotel, Thessaloniki, Greece – October 21st, 2019
16. **G. Skodras**, “ICT technologies of the Thessaloniki urban transportation system”, Workshop on “Introduction of advanced ICT technologies in the Hellenic transportations”, NOESIS – Museum of Technology, Dept. of Informatics, School of Science, Aristotle University of Thessaloniki, Link Technologies, Themi-Thessaloniki, Dec 9, 2019
17. **G. Skodras**, “An advocacy for the Urban Transportation of Thessaloniki Company”, Special assembly of the City council of Thessaloniki, on “Thessaloniki’s urban transportation”, City Hall, Dec 11, 2019
18. **G. Skodras**, “Applications of smart technologies at the Organization of Urban Transportation of Thessaloniki”, 15th Innovation & Development on “Smart cities: The future challenge”, City Hall, Teleconference, Nov 7, 2020
19. **G. Skodras**, “Thessaloniki urban transport system: past – present – future” in “Sustainable mobility: Powering climate action”, European Parliament Intergroup on “Climate Change, Biodiversity and Sustainable Development”, Teleconference, Jan 14, 2021
20. **G. Skodras**, “Redeployment of the Thessaloniki urban transport system”, at the Board of Directors of the in Regional Association of Municipalities of Central Macedonia, Teleconference, May 26, 2021

Sec. 15 – Supervising of PhD Dissertations and MSc Theses

(a) Supervisor / Co-supervisor

1. N. Dabos, “Liquid biofuels: Analysis, simulation and strategic planning”, Dept. of Mechanical Engineering, UOWM, 2012
2. G.A. Athanasiadis, “Security of energy supply in the EU”, MSc theses, graduate course “Energy resources: Technologies and management”, School of Engineering, UOWM, 2020 (supervisor)
3. Ch. Drosakis, “Study high temperature electrolysis assisted by the upward combustion of gaseous and solid biofuels in solid oxides fuel cells”, Dept. of Mechanical Engineering, UOWM, School of Engineering, 2016 (supervisor)
4. P. Basinas, “Study of the combined pyrolysis and combustion of coal, biomass and wastes”, Dept. of Chemical Engineering, AUTH, 2011 (co-supervisor with prof. G.P. Sakellariopoulos)
5. D. Koutsonikolas, “Catalytic dissociation and separation of gaseous pollutants in ceramic membrane reactors”, Dept. of Chemical Engineering, AUTH, 2011 (co-supervisor with prof. G.P. Sakellariopoulos)
6. Ir. Diamantopoulou, “Mercury removal from combustion flue gases by using activated carbons”, Dept. of Chemical Engineering, AUTH, 2011 (co-supervisor with prof. G.P. Sakellariopoulos)
7. A. Palladas, “Study of the formation and inhibition mechanisms of PCDD/Fs”, Dept. of Chemical Engineering, AUTH, 2011 (co-supervisor with prof. G.P. Sakellariopoulos)
8. P. Natas, “Process development for clean solid fuels production from coals and wastes”, Dept. of Chemical Engineering, AUTH, 2011 (co-supervisor with prof. G.P. Sakellariopoulos)

9. S. Topis, "Catalytic dissociation of trace pollutants in coal-biomass gasification flue gases", Dept. of Chemical Engineering, AUTH, 2011 (co-supervisor with prof. G.P. Sakellariopoulos)

(b) Examination Committee (seven-member)

1. N. Kalabalikas, "Analysis, simulation and evaluation of the Greek energy system", Dept. of Mechanical Engineering, UOWM, 2012
2. S. Stefanides, "Biomass catalytic pyrolysis for the production of biofuels and chemicals", Dept. of Mechanical Engineering, UOWM, 2017
3. Ch. Tsita, "The inland road transport sector and the energy transition: Correlation of the technological, economic and political parameters by using calculation methods", Dept. of Mechanical Engineering, UOWM, 2017

Sec. 16 – Supervising Diploma Theses

1. S. Kazakos & S. Kelepouris, "Greek lignite fluidization study", Dept. of Chemical Engineering, AUTH, 1990 (co-supervisor with prof. G.P. Sakellariopoulos)
2. P. Agtsidou & E. Koundouraki, "Catalytic and non-catalytic lignite-CO₂ gasification", Dept. of Chemical Engineering, AUTH, 1992 (co-supervisor with prof. G.P. Sakellariopoulos)
3. Ir. Chira, "Two-stage lignite gasification: Effect of bimetallic catalyst (K/Zn)", Dept. of Chemical Engineering, AUTH, 1994 (co-supervisor with prof. G.P. Sakellariopoulos)
4. I. Varlamis & G. Daskalakis, "Lignite-CO₂ gasification with bimetallic catalyst (K/Zn)", Dept. of Chemical Engineering, AUTH, 1998 (co-supervisor with prof. G.P. Sakellariopoulos)
5. V. Zazani, "Mathematical model of CO₂ gasification of single lignite char particle", Dept. of Chemical Engineering, AUTH, 1998 (co-supervisor with prof. G.P. Sakellariopoulos)
6. V. Dimitropoulos, "Hazardous and toxic industrial wastes management: Incineration, stabilization, solidification", Dept. of Chemical Engineering, AUTH, 1998 (co-supervisor with prof. G.P. Sakellariopoulos)
7. G. Zoidis & D. Sioumis, "The municipal solid wastes collection and transportation system: The municipality of Triandria-Thessaloniki case", Dept. of Chemical Engineering, AUTH, 2000 (co-supervisor with prof. G.P. Sakellariopoulos)
8. G. Skarvelis, "The 'new approach' EU directives on hot water boilers' marking", Dept. of Chemical Engineering, AUTH, 2000 (co-supervisor with prof. G.P. Sakellariopoulos)
9. S. Korkovilos, "Kinetic study of isothermal CO₂ gasification of Greek lignite", Dept. of Chemical Engineering, AUTH, 2001 (co-supervisor with prof. G.P. Sakellariopoulos)
10. K. Bourantas, "LCA of an industrial boiler using lignite, waste wood and biomass", Dept. of Chemical Engineering, AUTH, 2005 (co-supervisor with prof. G.P. Sakellariopoulos)
11. A. Bafas, "Development and deployment of environmental management system of a textile dyeing industry in the Thessaloniki area", Dept. of Chemical Engineering, AUTH, 2006 (co-supervisor with prof. G.P. Sakellariopoulos)
12. E. Anastasiou, "Mechanical properties of biomass pellet", Dept. of Mechanical Engineering, UOWM, 2013
13. V. Dokas, "Economic evaluation of wind mill farms construction in Greece, during the financial crisis", Dept. of Mechanical Engineering, UOWM, 2013
14. Chr. Chira, "Introduction of hydrocarbons in the energy system and in the economy of Cyprus", Dept. of Mechanical Engineering, UOWM, 2013
15. K. Vasilopoulos & D. Vogias, "Biogas production plant", Dept. of Mechanical Engineering, UOWM, 2014
16. V. Stratopoulos, "Energy simulation of the Thessaloniki Concert Hall and potential improvements", Dept. of Mechanical Engineering, UOWM, 2014
17. N. Dellatolas, "Process simulation of hydrocarbons synthesis from CO₂", Dept. of Mechanical Engineering, UOWM, 2018
18. C. Michalakis, "Energy efficiency study – Special phototechnic study", Dept. of Mechanical Engineering, UOWM, 2018
19. A. Koliotsidou, "Improving urban street lighting according the EN 13201:2015 standard, using the DIALUX software", Dept. of Mechanical Engineering, UOWM, 2020
20. Th. Koutalianos, "Energy audit in a public building: The case of a general hospital", Dept. of Mechanical Engineering, UOWM, 2021

Sec. 17 – Engineering Studies

1. "The economy of Greece – An overview of the burdens and the perspectives in the course of privatizations", SUEZ Environnement, 2014
2. "People – Key players in the privatization issue", SUEZ Environnement, 2014
3. "The Thessaloniki Industrial Zone (TIZ) – A detailed engineering survey", SUEZ Environnement, 2014

4. "The Waste Water Treatment Plant of the Thessaloniki Industrial Zone" – An engineering survey", SUEZ Environnement, 2014
5. "Storm Waters Management at the Thessaloniki urban area – An engineering survey", SUEZ Environnement, 2014
6. "Analysis of the personnel of EYATH SA – Reference year 2013", SUEZ Environnement, 2014
7. "Debts of EYATH PAGION to EYATH SA – A detailed analysis", SUEZ Environnement, 2014
8. "Permitted ancillary services for EYATH SA – An integrated approach", SUEZ Environnement, 2014
9. "Valuation of the water sector companies in Greece", SUEZ Environnement, 2014
10. "Growth; is it possible? Prerequisites, constrains and investments", SUEZ Environnement, 2014
11. "Roadmap: Towards "Taking over" EYATH SA – A step by step procedure", SUEZ Environnement, 2014
12. "Customers evolution at EYATH SA– Analysis of the current situation and forecasts", SUEZ Environnement, 2014
13. "Integrated business – investments plan for EYATH SA", SUEZ Environnement, 2014
14. "An integrated analysis of the Dec 1906/2014 of the Council of State", SUEZ Environnement, 2014
15. "Integrated business – investments plan of the DEYA Voiou – Kozani, Greece", 2014
16. "Integrated tariff policy of the DEYA Voiou – Kozani, Greece", 2014
17. "Quality monitoring and control methodology of the drinking water at the DEYA Voiou – Kozani, Greece – A detailed engineering analysis", 2014
18. "Detail engineering study for drinking water and energy balances at the DEYA Voiou – Kozani, Greece", 2014
19. "Engineering Consultant – Expert", Municipal Drinking Water and Sewerage of Voion, 2013
20. "Business Développement Consultance", SUEZ Environnement SA, 2013
21. "Engineering Consultant – Expert", Municipal Drinking Water and Sewerage of Thermaikos, 2012
22. "Engineering Consultant – Expert in the "Study of the Drinking Water and Waste Water Testing Lab", Serres Municipal Drinking Water and Sewerage Co, 2011
23. "Hydraulic Calculations of the Study «Hydrological Study of Asproklisia»", 2010
24. "Vehicles Inspections according to the UN ADR and ATP agreements", 2001 – 2011
25. "Integrated plan for the management of the dehydrated sludge from the Thessaloniki waste water treatment plant", EYATH SERVICES SA, Thessaloniki 2009
26. "Assessment of the operating cost of the sewerage facilities of the Thessaloniki Urban Area", EYATH SERVICES SA, Thessaloniki 2008
27. "Assessment of co-generation at the Thessaloniki waste water treatment plant", EYATH SA, Thessaloniki 2008
28. "Drinking water treatment plant – Assessment of the utilization of renewable energy sources", EYATH SA, Thessaloniki 2008
29. "Handling of foams at the Thessaloniki waste water treatment plant", EYATH SA, Thessaloniki 2007
30. "Drinking water treatment plant– Improvement of the efficiency of the sedimentation tanks", EYATH SA, Thessaloniki 2007
31. "Treatment and disposal of waste water treatment plant sludge", EYATH SA, Thessaloniki 2007
32. "Chemical analyses at the Thessaloniki waste water treatment plant", EYATH SA, Thessaloniki 2007
33. "Photovoltaics – RAE", EYATH SA, Thessaloniki 2007"
34. "Photovoltaics – CRES", EYATH SA, Thessaloniki 2007
35. "Electricity Generation from Photovoltaics – Legal Framework", EYATH SA, Thessaloniki 2007
36. "Photovoltaics – PPC", EYATH SA, Thessaloniki 2007
37. "Engineering study for licensing and construction supervision of horticulture freezing plant at Kallipolis of Meniis Municipality, Region of Pella" (3 M€), FROZITA SA, Thessaloniki 2004
38. "Inventory and analysis of the environmental conditions and the infrastructure of the County of Kilkis", Thessaloniki 2003
39. "Environmental impact assessment of the main sewerage duct of Oinoussa – Municipality of Serres" (1 M€), DEYA Serron, Thessaloniki 2003
40. "Tender documentation for the expansion of the Serres waste water treatment plant" (4.4 M€), DEYA Serron, Thessaloniki 2003
41. "Environmental impact assessment of the main sewerage duct of Ilioupolis – Municipality of Serres" (0.8 M€), DEYA Serron, Thessaloniki 2002
42. "Environmental impact assessment of the main sewerage duct of Agios Ioannis & Eptamiloi – Municipality of Serres" (1.9 M€), DEYA Serron, Thessaloniki 2002
43. "Environmental impact assessment of MBM combustion in the cement kilns of Kamari cement plant", TITAN SA, Thessaloniki 2001
44. "Feasibility study of the solid wastes management system of FISIS SA", Hellenic Energy & Development SA, Thessaloniki 2001

45. "Engineering study for the expansion of the Serres waste water treatment plant" (4.4 M€), DEYA Serron, Thessaloniki 2001
46. "Engineering study of the solid waste transfer system of the municipalities of Evosmos – Menemeni – Kordelio", Association for the solid waste management of Western Thessaloniki, Thessaloniki 2001
47. "Environmental impact assessment of the drinking water reservoir at Melenikiotika – Municipality of Serres" (1.2 M€), DEYA Serron, Thessaloniki 1999
48. "Preliminary assessment of siting the drinking water reservoir at Melenikiotika – Municipality of Serres" (1.2 M€), DEYA Serron, Thessaloniki 1999
49. "Engineering study for licensing and construction supervision of food canning plant at Skydra-Pella" (2.8 M€), DANAIS SA, Thessaloniki 1999
50. "Preliminary engineering study of the solid waste transfer system of the municipalities of Evosmos – Menemeni – Kordelio", Association for the solid waste management of Western Thessaloniki, Thessaloniki 1999
51. "Engineering study of the drinking water and waste water testing lab", Serres Municipal Drinking Water and Sewerage Co, 1999
52. "Environmental impact assessment of the drinking water reservoir at Naousis– Municipality of Serres" (1.7 M€), DEYA Serron, Thessaloniki 1998
53. "Preliminary assessment of siting the drinking water reservoir at Naousis – Municipality of Serres" (1.7 M€), DEYA Serron, Thessaloniki 1998
54. "Evaluation of the technical bids for the construction of Serres waste water treatment plant" (5 M€), DEYA Serron, 1997
55. "Feasibility study for the construction of solid waste transfer station at the Municipality of Zographou-Athens" KAOYSIS SA, Thessaloniki 1997
56. "Feasibility study for the construction of solid waste transfer station at the Municipality of Heraklion-Crete" KAOYSIS SA, Thessaloniki 1997
57. "Engineering study for the exploitation and refurbishment of the briquetting plant to increase the utilization of solid fuels", CSFTA, Thessaloniki 1996
58. "Environmental impact assessment of the train-loading system of the oil refinery of HELPE", Hellenic Petroleum SA, Thessaloniki 1995
59. "Solid waste management of the municipality of Kifisia-Athens. Part I: Current situation – Measurements", Municipality of Kifisia, Athens 1995
60. "Solid waste management of the municipality of Kifisia-Athens. Part II: Planning & optimization of the management system", Municipality of Kifisia, Athens 1995
61. "Solid waste management of the municipality of Kifisia-Athens. Part III: Recycling programme", Municipality of Kifisia, Athens 1995
62. "Solid waste management of the municipality of Kifisia-Athens. Part IV: Transfer and transportation", Municipality of Kifisia, Athens 1995
63. "Solid waste management of the municipality of Kifisia-Athens. Part V: Financial analysis", Municipality of Kifisia, Athens 1995
64. "Inventory of the environmental condition of an area of multiple anthropogenic activities (residential, industry, agriculture) – Implementation in the area of Komotini", DEYA Komotinis, Thessaloniki 1995
65. "Solid waste management of the municipality of Melissa-Athens by using GIS. Evaluation of alternative transfer and transportation solutions", Municipality of Melissa, Athens 1995
66. "Energy planning at urban level by using GIS – Implementation in the area of Chalastra", Aristotle University of Thessaloniki, Thessaloniki 1995
67. "Implementation of advanced software in waste water treatment plants simulation. Development of an advanced training module of engineers, constructors and operators", Aristotle University of Thessaloniki, Thessaloniki 1995
68. "Inventory of the environmental condition of an area of multiple anthropogenic activities (residential, industry, agriculture) – Implementation in the area of Florina", Aristotle University of Thessaloniki, Thessaloniki 1995
69. "Environmental impact assessment of a solid fuel production plant and evaluation of alternative environmental protection technologies – Implementation at LIPTOL, Municipality of Ptolemais", Aristotle University of Thessaloniki, Thessaloniki 1995
70. "Measurements, planning and optimization of municipal solid wastes collection system by using GIS – Implementation at the Municipality of Chalastra", Aristotle University of Thessaloniki, Thessaloniki 1995
71. "Engineering study of the waste water treatment plant of Democritus University of Thrace" BIOCHEM Ltd, Thessaloniki 1994
72. "Exploitation of Greek lignites for energy generation", CSFTA, Thessaloniki 1994
73. "Study for the reuse of useful materials from municipal solid wastes in the Municipality of Filota-Florina", Perivallondiki-A. Andrianopoulos Ltd, 1994
74. "Environmental impact assessment of the landfill of Kassandra-Chalkidiki", Perivallondiki-A. Andrianopoulos Ltd, 1994
75. "Preliminary assessment of siting the landfill of the Municipality of Skydra-Pella", Perivallondiki-A. Andrianopoulos Ltd, 1994

76. "Feasibility study for the processing and disposal of the solid wastes of the Municipality of Komotini", Perivallodiki-A. Andrianopoulos Ltd, 1994
77. "Optimization of the solid wastes collection system of the Municipality of Komotini", Perivallodiki-A. Andrianopoulos Ltd, 1994
78. "Optimization of the processing and disposal of the solid wastes in the area of Trikala", Perivallodiki-A. Andrianopoulos Ltd, 1994
79. "Engineering study of the landfill of Kassandra-Chalkidiki", Perivallodiki-A. Andrianopoulos Ltd, 1994
80. "Assessment and engineering evaluation of alternative solutions of industrial waste water treatment in the Thessaloniki Industrial Zone", Helliniki Meleton SA, Thessaloniki 1993
81. "Preliminary assessment of siting the landfill of the Municipality of Komotini", Perivallodiki-A. Andrianopoulos Ltd, 1993
82. "Engineering study of the solid wastes management of the island of Nisyros", Perivallodiki-A. Andrianopoulos Ltd, 1993
83. "Pre-engineering and feasibility study of the landfill of Kassandra-Chalkidiki", Perivallodiki-A. Andrianopoulos Ltd, 1993
84. "Feasibility study for the construction of solid waste transfer station at the Municipality of Heraklion-Crete" Perivallodiki-A. Andrianopoulos Ltd, 1992
85. "Feasibility study for the reuse of useful materials from municipal solid wastes in the Municipality of Sykies-Thessaloniki", Perivallodiki-A. Andrianopoulos Ltd, 1992
86. "Study of the collection and management system of municipal solid wastes in the Municipality of Karditsa", Perivallodiki-A. Andrianopoulos Ltd, 1991
87. "Feasibility study for the recycling materials from municipal solid wastes in the Municipality of Psychiko-Athens", Perivallodiki-A. Andrianopoulos Ltd, 1991
88. "Engineering study and construction of computer-controlled hydrogasification pilot unit", Aristotle University of Thessaloniki, Thessaloniki 1990
89. "Impact assessment and prevention measures for the hydrogasification pilot unit" , Aristotle University of Thessaloniki, Thessaloniki 1990
90. "Data processing of municipal solid wastes production in the Municipality of Chania-Crete. Development of an optimized collection system", Perivallodiki-A. Andrianopoulos Ltd, 1991
91. "Engineering study and construction of fire extinction system for the hydrogasification pilot unit", Aristotle University of Thessaloniki, Thessaloniki 1990
92. "Engineering study and construction of hydrogasification pilot unit operating at high temperatures and pressures", Aristotle University of Thessaloniki, Thessaloniki 1989
93. "Engineering study and construction of fluidization pilot unit operating at high temperatures and pressures", Aristotle University of Thessaloniki, Thessaloniki 1989
94. "Engineering study and construction of fluidization pilot unit operating at ambient conditions", Aristotle University of Thessaloniki, Thessaloniki 1989
95. "Engineering study for the construction of snail meat processing plant, AGRIMEX SA, Thessaloniki 1987
96. "Optimization of the distillation column of the Thessaloniki oil refinery", EKO-Chemicals, Thessaloniki 1986
97. "Optimization of the cooling tower of the Thessaloniki ammonia production plant", EKO-Chemicals, Thessaloniki 1986
98. "Study of polyelectrolytes action in waste water treatment", ETHYL HELLAS SA, Thessaloniki 1982

Sec. 18 – Investment – Business plan studies

1. "Establishment of EYATH SA research center – Master plan and feasibility study", Thessaloniki Drinking Water and Sewerage SA (EYATH SA), 2009
2. "Implementation of the EU 2000/60/EC directive on the tariff policy of EYATH SA, Thessaloniki Drinking Water and Sewerage SA (EYATH SA), 2009
3. "Deployment of optic fiber grid in the sewerage ducts of EYATH SA – Feasibility study & Business model", Thessaloniki Drinking Water and Sewerage SA (EYATH SA), 2008
4. "Development of wireless telecommunications network on EYATH SA facilities – Business development", Thessaloniki Drinking Water and Sewerage SA (EYATH SA), 2008
5. "Business plan for bottled water production and distribution" Thessaloniki Drinking Water and Sewerage SA (EYATH SA), 2008
6. "Business development of the EYATH SA – Business and investments plan for the period 2007 – 2011", Thessaloniki Drinking Water and Sewerage SA (EYATH SA), 2007
7. "Planning of tariff policy of EYATH SA for the period 2007 – 2011", Thessaloniki Drinking Water and Sewerage SA (EYATH SA), 2006

8. "Restructuring and reorganizing EYATH SA – A novel operating model of reduced cost", Thessaloniki Drinking Water and Sewerage SA (EYATH SA), 2006
9. "Development and promotion of Greek clothing project", Hellenic Ministry of Development, Clusters of SMEs initiative (2.41 M€), Association of knitting companies, Thessaloniki 1997
10. "Design and implementation of the IT system and integrated jointed promotion plan of enterprises", Hellenic Ministry of Development, SMEs initiative (320 k€), GEMA SA – RIZOS Electronic Ltd, Thessaloniki 1997
11. "Integrated plan for sales network expansion", Hellenic Ministry of Development, SMEs initiative (285 k€), N. Papadopoulos Inc – D. Gounaras, Thessaloniki 1997
12. "Integrated plan for sales development and products promotion", Hellenic Ministry of Development, SMEs initiative (285 k€), N. Kirlagitsis SA, Thessaloniki 1997
13. "Woman: Employment & Development", Programme Employment – Now, ESF & Hellenic Ministry of Employment (2.02 M€), CPERI, Thessaloniki 1997
14. "Better Results – More Competitive", Programme Adapt – Bis, ESF & Hellenic Ministry of Employment (1.63 M€), CPERI, Thessaloniki 1997
15. "Bio – Youth Center", Programme Employment – Youthstart, ESF & Hellenic Ministry of Employment (380 k€), GAIA ngo, Serres 1996
16. "Design and deployment of innovative training plan in environmental technologies and organic farming", ESF – Regional Structural Fund (125 k€), GAIA ngo, Serres, 1996
17. "Design and implementation of training plan in environmental engineering and bio-products production", ESF – Hellenic Ministry of Employment (520 k€), GAIA ngo, Serres, 1995
18. "Design and implementation of an innovative training programme in environmental engineering", Programme Innovative Actions – ESF & Hellenic Ministry of Employment (94 k€), Aristotle University of Thessaloniki, 1995
19. "Design and implementation of an innovative training programme in de-pollution technology and protection of eco-systems", Programme Innovative Actions – ESF & Hellenic Ministry of Employment (71 k€), Municipality of Komotini – DEYA Komotinis, 1995
20. "Design and deployment of an innovative training programme in energy conservation engineering", Programme Innovative Actions – ESF & Hellenic Ministry of Employment (60 k€), Municipality of Chalastra – Association for the Protection of the Delta of Axios river, 1995
21. "Demonstration of a Novel Process for Adsorption and Electrochemical Destructive Oxidation of Dyes in the Effluents of Textile Dyeing Industry", C.P.E.R.I – Aristotle University of Thessaloniki – C. Grivas SA, LIFE Programme (900 k€), Thessaloniki 1993
22. "Regional Energy Planning and Local Energy Sources Evaluation in Region of Central Macedonia-Thessaloniki Prefecture", Aristotle University of Thessaloniki – Region of Central Macedonia – Prefecture of Thessaloniki, Regional and Energy Planning Programme (600 k€), Thessaloniki 1993
23. "Innovative programme of youth training", ESF – Region of Central Macedonia (24 k€), Hellenic Center of Youth Training and Education, Thessaloniki, 1992
24. "Design and deployment of an advanced training programme of young scientists in environmental engineering", ESF – Advanced Training Programme (28 k€), Aristotle University of Thessaloniki, 1992
25. "Personnel training on concrete technology", ESF – Hellenic Ministry of Employment, Workforce Training Organization (35 k€), Tairis & Co-Concrete production industry, Serres, 1992
26. "Personnel training programme on milk technology", ESF – Hellenic Ministry of Employment, Workforce Training Organization (70 k€), KRI-KRI SA, Serres, 1992
27. "Personnel training programme on novel information technologies", ESF – Region of Central Macedonia (83 k€), EKETEN "EUROPE 2000" ngo, Serres, 1992
28. "Personnel training on wood processing technology", ESF – Hellenic Ministry of Employment, Workforce Training Organization (33 k€), B. Mitilinaios SA-Furniture industry, Serres, 1991
29. "Personnel training on concrete technology", ESF – Hellenic Ministry of Employment, Workforce Training Organization (62 k€), Tairis & Co-Concrete production industry, Serres, 1991
30. "Design of a novel data base for the paper-mill industries in East Europe", Integrated Programme for the Mediterranean Countries (400 k€), "Elina"-Komotini paper-mill industry SA, Thessaloniki, 1991
31. "Personnel training programme on novel computers sciences", ESF – Region of Central Macedonia (110 k€), EKETEN "EUROPE 2000" ngo, Serres, 1990
32. "Personnel training on concrete technology", ESF – Hellenic Ministry of Employment, Workforce Training Organization (33 k€), Tairis & Co-Concrete production industry, Serres, 1990
33. "Personnel training programme on tomato paste and rice processing technologies", ESF – Hellenic Ministry of Employment, Workforce Training Organization (88 k€), Strimon Hellas SA, Serres, 1990

Sec. 19 – Reviewer in peered journals

1. Applied Energy
2. Atmospheric Environment
3. Carbon
4. Chemical Engineering Journal
5. Chemical Engineering and Processing
6. Energies
7. Energy Conversion & Management
8. Energy & Fuels
9. Environmental Engineering and Management Journal
10. Environmental Science and Technology
11. Frontiers in Energy Research “Bioenergy and Biofuel”
12. Fuel
13. Fuel Processing Technology
14. Greenhouse Gases: Science and Technology
15. Journal of Analytical and Applied Pyrolysis
16. Journal of Aerosol Science
17. Journal of Air and Waste Management Association
18. Journal of Energy Engineering (ASCE edition)
19. Journal of Sustainable Mining
20. Industrial Engineering Chemistry Research
21. International Journal of Sustainable Energy
22. OPEN Chemistry
23. Particulate Science and Technology
24. RCS Advances
25. Thermochemica Acta
26. Waste Management

Sec. 20 – Awards

1979 – 1980	1 st Award in the National Competition of the Hellenic Association of Mathematics
5 th 1988 – 3 rd 1992	Graduate scholarship, Chemical Process Engineering Research Institute
9 th 1989 – 8 th 1990	Graduate scholarship, Bodosakis Foundation
3 rd 1993 – 7 th 1997	Advanced training scholarship, Chemical Process Engineering Research Institute
2003 – 2004	Included in the 7 th edition of the Who’s Who in Science and Engineering (ISBN 0-8379-5762-1)
2008	NOESIS – Museum of Technology of Thessaloniki, Honoring Diploma for his contribution and support to the museum
2011	ACS Publications – Certificate of Appreciation for his contribution and dedicated service in the peer review of manuscripts submitted to ACS Journals
2011	Carbon – Certificate of Reviewing
2014	Fuel Processing Technology – Certificate of Reviewing
2014	Journal of Aerosol Science– Certificate of Reviewing
2015	Journal of Sustainable Mining – Certificate of Reviewing
2017	Fuel – Certificate of Outstanding Contribution in Reviewing
2017	Applied Energy – Certificate of Outstanding Contribution in Reviewing
2017	Journal of Analytical and Applied Pyrolysis – Certificate of Reviewing
2018	Journal of CO ₂ Utilization – Certificate of Reviewing
2022	Elsevier/Stanford University list of top 2% scientists worldwide in the sector of “Energy”, for 2021
2023	Elsevier/Stanford University list of top 2% scientists worldwide in the sector of “Energy”, for 2022

Sec. 21 – Organization of Conferences & Workshops

1. THERMIE Workshop on “Co-combustion of Waste Wood, Biomass and Lignite in Industrial Boilers – Possibilities and Perspectives”, Thessaloniki, Greece, November 30, 1999
2. 4th Symposium of South-East European Countries (SEEC) on “Fluidized Beds in Energy Production, Chemical, Process Engineering & Ecology”, Thessaloniki, Greece, April 3 – 4, 2003
3. Seminar on “Promotion of Natural Gas Technologies”, Tbilisi, Georgia, March 4, 2004
4. International Symposium on “Moving Towards Zero Emissions Plants”, Leptokarya Pieria, Greece, June 20 – 22, 2005
5. 3rd WSEAS / IASME International Conference on “Energy, Environment, Ecosystems and Sustainable Development”, Agios Nikolaos, Crete Island, Greece, July 24 – 26, 2007
6. 6th International Conference on “Clean Coal Technologies 2013” (CCT 2013), International Energy Agency – Clean Coal Center, May 12 – 16, 2013, Thessaloniki, Greece
7. International Conference on “*NanoMaterials for Energy & Environment – NanoMatEn2015*”, June 15 – 17, 2015, Paris, France, International Scientific Committee

Sec. 22 – Professional associations

1988 – today	<p>Hellenic Technical Chamber</p> <p>2000 – 2003 Member of the House of Representatives</p> <p>2001 – 2003 Rapporteur of the Disciplinary Board</p> <p>1998 – 2000 Member of the Permanent Committee for Industry and Energy</p> <p>Hellenic Association of Chemical Engineers</p> <p>1998 – 2002 Member of the Board</p>
1988 – today	<p>1990 – 2002 Member of the Board – North Greece branch</p> <p>1998 – 2000 Secretary of the Board – North Greece branch</p>
2012 – today	American Chemical Society (ACS)
2013 – today	World Society of Sustainable Energy Technology (WSSET)
2013 – today	Hellenic Foundation of European & Foreign Policy
2013 – today	American Association for Science and Technology (AASCIT)

Sec. 23 – International Co-operations

1. August Horch Akademie (Germany)
2. ASOCIACION DE INVESTIGACION Y COOPERACION INDUSTRIAL DE ANDALUCIA. F. de Paula Rojas” – AICIA (Spain)
3. Centro Sviluppo Materiali S.p.A (Italy)
4. Centro de Investigaciones Energeticas Medioambientales y Tecnologicas – CIEMAT (Spain)
5. CEREOL Group – Research & Development Centre – CEREOL (Romania)
6. Consejo Superior de Investigaciones Cientificas – CSIC (Spain)
7. Deutsche Montan Technologie GmbH – DMT (Germany)
8. Eidgenoessische Technische Hochschule – ETH Zürich – ETH (Switzerland)
9. ELCOGAS SA (Spain)
10. EMC Environment Engineering Ltd – EMC (UK)
11. ENDESA GENERACION S.A. (Spain)
12. Energy Research Centre of the Netherlands – ECN (The Netherlands)
13. Enervac-Flutec Ltd (UK)
14. ENEL S.p.A. Produzione – Ricerca (Italy)
15. ENERGY Plus Ltd
16. ENVOFIRE Oy (Finland)
17. EON UK S.A. (UK)
18. Escola Superior Agraria de Beja – EBEJA (Portugal)
19. EVN AG (Austria)

20. FLORIDA CENTRE DE FORMACIÓ, C.V. (Spain)
21. Fraunhofer-Gesellschaft zur Foerderung der Angewandten Forschung e.V. – FHG.IFF (Germany)
22. Gruppo Lucchini (Italy)
23. GSF Forschungszentrum fur Umwelt und Gesundheit GmbH – GSF (Germany)
24. Hellenic Petroleum SA
25. IMC Geophysics Ltd, (UK)
26. Instituto Carboquimica (Ισπανία)
27. Institut fuer Verfahrenstechnik und Dampfkesselwesen (IVD) – University of Stuttgart (Germany)
28. Institut Scientifique de Service Public – ISSeP (Belgium)
29. ISTITUTO ADDESTRAMENTO LAVORATORI SICILIA-IAL (Italy)
30. ISTITUTO INTERNAZIONALE DI ELICICOLTURA - CHERASCO (Italy)
31. Instituto Nacional del Carbon (Spain)
32. International Energy Agency – Clean Coal Center (UK)
33. Laboratorio Nacional de Energia e Geologia (LNEG) – Zero emissions team (Portugal)
34. Latvian State Institute of Wood Chemistry – LSIWC (Latvia)
35. MAST Carbon Technology Ltd (UK)
36. Nottingham Fuel and Energy Centre (UK)
37. Oskar von Miller – Conception, Research and Design Institute for Thermal Power Equipment – RDITE.ICD (Romania)
38. PowerGen UK plc (UK)
39. Powergen Power Technology PLC, (UK)
40. RWE Npower PLC (Germany)
41. RWE Power Aktiengesellschaft – RWE (Germany)
42. RWE Rheinbraun AG (Germany)
43. SchlumbergerSema, Sae – SEMAES (Germany)
44. SIOEN-Nordifa S.A. (Belgium)
45. Societe Nationale d'Electricite et de Thermique – SNET/CERCHAR (France)
46. SUEZ ENVIRONNEMENT (France)
47. Swedish University of Agricultural Sciences – SUAS (Sweden)
48. Technical University of Sofia – TUSO (Bulgaria)
49. Technip KTI S.p.A. (Italy)
50. Terra Humana Clean Technology Development, Engineering and Manufacturing Ltd – TERRA HUMANA (Hungary)
51. TREVISO TECNOLOGIA (Italy)
52. United European Environment Controls Ltd – UNECO (UK)
53. Universita degli Studi dell'Aquila (UNIVAQ) – (Italy)
54. University of Alicante (Spain)
55. University of Bath (UK)
56. University of Girona (Spain)
57. University of Leeds (UK)
58. University of Nottingham (UK)
59. University of Newcastle upon Tyne – UNEW (UK)
60. University of Salamanca (Spain)
61. University of Oulu – UOULU (Finland)
62. University of Rostock – URO (Germany)

Sec. 24 – Languages and other skills & competences

Mother tongue(s) | Greek

Other language(s)

Self-assessment
European level (*)

English

Computer skills and competences

Driving licence

Other skills and competences

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C2	Proficient user	C1	Proficient user	C2	Proficient user

MS Office, ASPEN Tech Suite 8.8, FactSage, Matlab, SPSS, MiniTab, DIALUX

YES – Category B

- 1997 Lead auditor of quality assurance systems ISO 9000:1994 & ISO 10011-1
- 2002 Auditor / Expert of the UN Agreement ADR for hazardous goods transport
- 2003 Hazardous goods transport councilor