

CURRICULUM VITAE

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CURRICULUM VITAE

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BIRTH DATE	18.6.1962
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EDUCATION

1974 – 1980	2nd High School of Karditsa. Certificate of studies "EXCELLENT"
1980 – 1985	Diploma in Chemical Engineering, Department of Chemical Engineering, Aristotle University of Thessaloniki, AUTH (Overall GPA: 8.19/10)
1986 – 1990	Ph.D., Department of Chemical Engineering, AUTH, Grade: excellent. PhD Thesis: "Pyrolysis of Greek Lignite". Supervisor: Prof. I.A. Vasalos
1992 – 1994	Postdoctoral scholarship in Chemical Process Engineering Research Institute (CPERI)

SCHOLARSHIPS

Streftari's Foundation: Scholarship 1981, 1982, 1983, 1984, 1985
CPERI: Postgraduate Scholarship 1986-1990, Postdoctoral Scholarship 1992, 1993, 1994

LANGUAGES

English (excellent)

SCIENTIFIC EXPERIENCE

1994 – 1996	Researcher with contract at CPERI
1997 – 1999	Assistant Researcher (Researcher D) at CPERI/FORTH
2000 – 2003	Associate Researcher (Researcher C) at CPERI/CERTH
2004 – 2007	Principal Reseracher (Researcher B) at CPERI/CERTH
2007 –	Research Director (Researcher A) at CPERI/CERTH
2009 –	Director of Laboratory of Environmental Fuels and Hydrocarbons (LEFH) of CPERI/CERTH, Deputy Director of CPERI/CERTH

AREAS OF SCIENTIFIC EXPERIENCE

Catalytic Reaction Engineering, Refinery Processes (Catalytic Cracking, Hydrocracking, Hydrodesulfurization, Isomerization, Reforming, Distillation), Catalysts Deactivation, Characterization and Evaluation, Thermochemical Processes of Biomass and Coal Conversion (Pyrolysis, Catalytic Pyrolysis, Gasification), Biorefinery Processes, Production and Upgrading of Biofuels, Analysis and Characterization of Fuels.

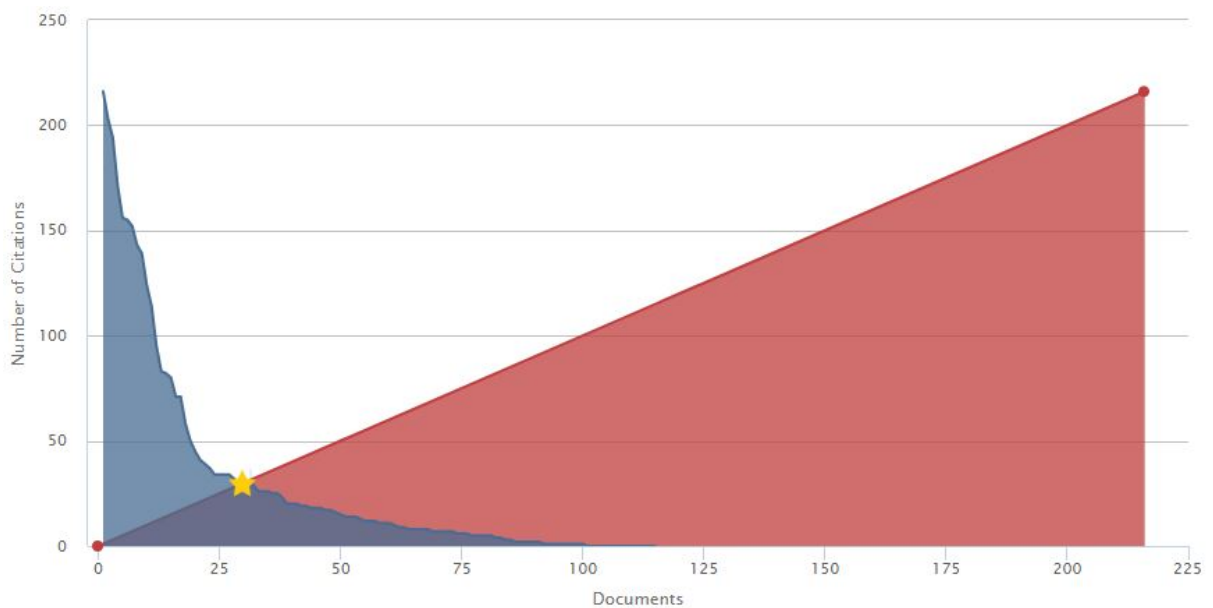
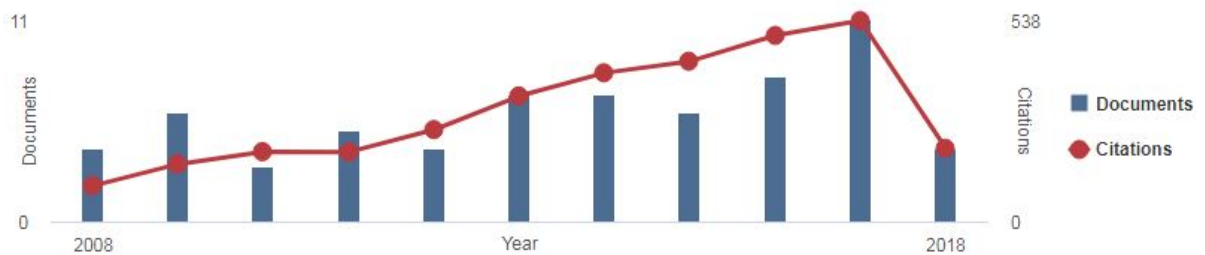
ADMINISTRATIVE EXPERIENCE

2000 – 2005	ISO 9002 Quality Manager of LEFH at CPERI/CERTH. Coordination of a group of 10 persons in 4 scientific areas in the lab
2007 – Today	Deputy Director of CPERI/CERTH
2009 – Today	Director and scientific responsible of the Laboratory of Environmental Fuels and Hydrocarbons (LEFH) of CPERI/CERTH. This laboratory has the major pilot plant and bench scale facilities of CPERI/CERTH that are recognized as unique in international scale by external audit performed in CPERI on 2005. Management and coordination of research activities and industrial contracts of the laboratory, which includes 50 employees (11 researchers) and is the largest laboratory of CPERI. Collaboration with more than 70 companies/ organizations all over the world (among them major companies like BP, EXXONMOBIL, TOTAL, REPSOL, UOP, SABIC, BASF etc.) in the following areas: Catalytic reaction engineering in pilot plant and bench scale, Refining processing (Fluid catalytic cracking, Hydrocracking, Isomerization, Reforming etc.), Refining catalyst poisoning and deactivation, Catalyst testing and evaluation, Production, upgrading and characterization of 2 nd generation biofuels, Biorefinery processes, Production of reformulated fuels, Biomass thermochemical conversion processes, Production of new fuels and biofuels, Fuel quality and characterization, Environmental catalytic processes (SO _x , NO _x reduction). LEFH's financing contributes over 30% of the total budget of CPERI.

A. RESEARCH WORK

The published research work is summarized as follows:

	Referee Journals	International Conferences	Greek Conferences	Books	Chapters in Books	Citations (scopus)
<2001	10	13	15			12
2001	4	4	6			10
2002	5	6	5			12
2003	1	4	7			9
2004	7	3	6			27
2005	2	10	9			24
2006	5	11	7			37
2007	11	8	6	1		83
2008	3	7	4			96
2009	5	7	4			154
2010	1	6	3		1	187
2011	5	9	4	1	1	186
2012	4	19	6		1	246
2013	4	17	6	1	1	336
2014	7	11	10		1	398
2015	4	18	5		1	429
2016	7	15	3		1	498
2017	12	15	5			538
2018	6	3	2			196
Total	103	186	113	3	7	3478



The author's h-index is 30 (scopus).

The total number of citations from scholar google is 4814 and the h-index 35.

The research work is presented analytically in the following pages:

A1. Publications in Referee Journals

1. A.A. Lappas, I.A. Vasalos, "Evaluation and Kinetic Modeling of Greek Lignites", Fuel, 68(10), pp. 1243-1247, 1989
2. A.A. Lappas, D. Papavasiliou, K. Batos, I.A. Vasalos, "Product Distribution and Kinetic Predictions of Greek Lignite Pyrolysis", Fuel, 69(10), pp. 1304-1308, 1990
3. A.A. Zabaniotou, A.A. Lappas, N. Kousidis, "Flash Pyrolysis of Greek Lignite", Journal of Analytical and Applied Pyrolysis, 21(3), pp. 293-304, 1991
4. I.A. Vasalos, A.A. Lappas, D.K. Iatridis, S.S. Voutetakis, "Design Construction and Experimental Results of a Circulating Fluid Bed FCC Pilot Plant, Fluidization IV, Beijing China, 1996
5. S.S. Voutetakis A.A. Lappas, D.K. Iatridis, I.A. Vasalos, "Computer Application and Software Development for the Automation of a Fluid Catalytic Cracking Pilot Plant - Experimental Results", Computers & Chemical Engineering, 20(972), pp. S1601-S1606, 1996

6. A.A. Lappas, D.T. Patiaka, B.D. Dimitriadis, I.A. Vasalos, "Separation, Characterization and Catalytic Cracking Kinetics of Aromatic Fractions Obtained from FCC Feedstocks", *Applied Catalysis A: General*, 152(1), pp. 7-26, 1997
7. A.A. Lappas, D. Patiaka, D. Ikonomou, I.A. Vasalos, "Separation and Characterization of Paraffins and Naphthenes from FCC Feedstocks", *Ind. Eng. Chem. Res.*, 36(8), pp. 3110-3115, 1997
8. V.D. Dimitriadis, A.A. Lappas, I.A. Vasalos, "Kinetics of Combustion of Carbon in Carbonaceous Deposits on Zeolite Catalysts for Fluid Catalytic Cracking Units (FCCU). Comparison Between Pt and non Pt-Containing Catalysts", *Fuel*, 77(12), pp. 1377-1383, 1998
9. A.A. Lappas, D.K. Iatridis, I.A. Vasalos, "Production of Reformulated Gasoline in the FCC Unit. Effect of Feedstock Type on Gasoline Composition", *Catalysis Today*, 50(1), pp. 73-85, 1999
10. A.A. Lappas, R. Budisteanu, K. Drakaki, I.A. Vasalos, "Production of Low Aromatics and Low Sulfur Diesel in the HDS Pilot Plant of CPERI", *Global Nest*, Vol. 1, 1999
11. A.A. Lappas, Z.A. Tsagrasouli, I.A. Vasalos, A. Humphries, "Effect of Catalyst Properties and Feedstock Composition on the Evaluation of Cracking Catalysts", *Stud. Surf. Sci. Catal.*, 134, pp. 71-86, 2001, *Fluid Catalytic Cracking V: Materials and Technological Innovations*, Editors Ocelli/O'Connor, Elsevier
12. Ch. Kordulis, A.A. Lappas, Ch. Fountzoula, K. Drakaki, A. Lycourghiotis, I.A. Vasalos, "NiW/ γ -Al₂O₃ Catalysts Prepared by Modified Equilibrium Deposition Filtration (MEDF) and Non-Dry Impregnation (NDI). Characterization and Catalytic Activity Evaluation for the Production of Low Sulfur Gasoline in a HDS Pilot Plant", *Applied Catalysis A: General*, 209(1-2), pp. 85-95, 2001
13. A.A. Lappas, L. Nalbandian, D.K. Iatridis, S.S. Voutetakis, I.A. Vasalos, "Effect of Metals Poisoning on FCC Products Yields: Studies in an FCC Short Contact Time Pilot Plant Unit", *Catalysis Today*, 65(2-4), pp. 233-240, 2001
14. E.A. Efthimiadis, A.A. Lappas, D.K. Iatridis, I.A. Vasalos, "Selective Catalytic Reduction of NO_x by Hydrocarbons/Oxygenates. Application for the Control of NO_x from the Regenerator of an FCC Pilot Plant Unit", *Ind. Eng. Chem. Res.*, 40(2), pp. 515-521, 2001
15. E.S. Kikkinides, A.A. Lappas, A. Nalbandian, I.A. Vasalos, "Correlation of Reactor Performance with Catalyst Structural Changes During Coke Formation in FCC Processes", *Chemical Engineering Science*, 57(6), pp. 1011-1025, 2002
16. A.A. Lappas, C.S. Triantafillidis, Z.A. Tsagrasouli, V.A. Tsiatouras, I.A. Vasalos, N.P. Evmiridis, "Development of New ZSM-5 Catalyst-Additives in the Fluid Catalytic Cracking Process for the Maximization of Gaseous Alkenes Yield", *Stud. Surf. Sci. Catal.*, 142A, pp. 807-814, 2002
17. A.A. Lappas, M.C. Samolada, D.K. Iatridis, S.S. Voutetakis, I. A. Vasalos, "Biomass Pyrolysis in a Circulating Fluid Bed Reactor for the Production of Fuels and Chemicals", *Fuel*, 81(16), pp. 2087-2095, 2002
18. E.A. Efthimiadis, E.F. Iliopoulou, A.A. Lappas, D.K. Iatridis, I.A. Vasalos, "NO Reduction Studies in the FCC Process. Evaluation of NO Reduction Additives for FCCU in Bench- and Pilot Plant-Scale Reactors", *Ind. Eng. Chem. Res.*, 41(22), pp. 5401-5409, 2002
19. G.M. Bollas, I.A. Vasalos, A.A. Lappas, D.K. Iatridis, "Modeling Small-Diameter FCC Riser Reactors. A Hydrodynamic and Kinetic Approach", *Ind. Eng. Chem. Res.*, 41(22), pp. 5410-5419, 2002
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21. A.A. Lappas, J.A. Valla, I.A. Vasalos, C. Kuehler, J. Francis, P. O'Connor, N.J. Gudde, "The Effect of Catalyst Properties on the In-Situ Reduction of Sulfur in FCC Gasoline", *Applied Catalysis A: General*, 262(1), pp. 31-41, 2004
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23. G.M. Bolas, S. Papadokonstadakis, J. Michalopoulos, G. Arampatzis, A.A. Lappas, I.A. Vasalos, A. Lygeros, "A Computer-Aided Tool for the Simulation and Optimization of the Combined HDS-FCC Processes", *Chem. Eng. Res. Des.*, 82(A7), pp. 881-894, 2004
24. J.A. Valla, A.A. Lappas, I.A. Vasalos, C.W. Kuehler, N.J. Gudde, "Feed and Process Effects on the In-Situ Reduction of Sulfur in FCC Gasoline", *Applied Catalysis A: General*, 276(1-2), pp. 75-87, 2004
25. E.F. Iliopoulou, E.A. Efthimiadis, A.A. Lappas, D.K. Iatridis, I.A. Vasalos, "Development and Evaluation of Ir-Based Catalytic Additives for the Reduction of NO Emissions from the Regenerator of a Fluid Catalytic Cracking Unit", *Ind. Eng. Chem. Res.*, 43(23), pp. 7476-7483, 2004
26. K.S. Triantafyllidis, A.A. Lappas, I.A. Vasalos, Y. Liu, T.J. Pinnavaia, "Gas-oil Cracking Activity and Product Selectivity of the Hydrothermally-Stable Mesoporous Aluminosilicates (MSU-S) Assembled from Zeolite Seeds", *Stud. Surf. Sci. Catal.*, 154C, pp. 2853-2860, 2004
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30. J.A. Valla, A.A. Lappas, I.A. Vasalos, "Catalytic Cracking of Thiophene and Benzothiophene: Mechanism and Kinetics", *Applied Catalysis A: General*, 297(1), pp. 90-101, 2006
31. E. Antonakou, A.A. Lappas, M.H. Nilsen, A. Bouzga, M. Stöcker, "Evaluation of Various Types of Al-MCM-41 Materials as Catalysts in Biomass Pyrolysis for the Production of Bio-Fuels and Chemicals", *Fuel*, 85(14-15), pp. 2202-2212, 2006
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33. K.S. Triantafyllidis, A.A. Lappas, I.A. Vasalos, Y. Liu, H. Wang, T.J. Pinnavaia, "Gas-oil Cracking Activity of Hydrothermally Stable Aluminosilicate Mesostructures (MSU-S) Assembled from Zeolite Seeds: Effect of the Type of Framework Structure and Porosity", *Catalysis Today*, 112(1-4), pp. 33-36, 2006
34. E. Antonakou, V. Dimitropoulos, A.A. Lappas, "Production and Characterisation of Bio-oil From Catalytic Biomass Pyrolysis", *Thermal Science*, 10(3), pp. 151-160, 2006
35. K.S. Triantafyllidis, E.F. Iliopoulou, E. Antonakou, A.A. Lappas, H. Wang, T.J. Pinnavaia, "Hydrothermally Stable Mesoporous Aluminosilicates (MSU-S) Assembled from Zeolite Seeds as Catalysts for Biomass Pyrolysis", *Microporous & Mesoporous Materials*, 99(1-2), pp. 132-139, 2007

36. G.M. Bolas, I.A. Vasalos, A.A. Lappas, D.K. Iatridis, S.S. Voutetakis, S.A. Papadopoulou, "Integrated FCC Riser - Regenerator Dynamics Studied in a Fluid Catalytic Cracking Pilot Plant", Chem. Eng. Sci., 62(7), pp. 1887-1904, 2007
37. A.A. Lappas, M. Papapetrou, I.A. Vasalos, "Catalytic Cracking to Liquids (BTL) Fuels with Novel Cracking Catalysts", Stud. Surf. Sci. Catal., 166, pp. 213-225, 2007
38. G.M. Bolas, A.A. Lappas, D.K. Iatridis, I.A. Vasalos, "Five-Lump Kinetic Model with Selective Catalyst Deactivation for the Prediction of the Product Selectivity in the Fluid Catalytic Cracking Process", Catalysis Today, 127(1-4), pp. 31-43, 2007
39. D.S. Achilias, C. Roupakias, P. Megalokonomos, A.A. Lappas, E. Antonakou, "Chemical Recycling of Plastic Wastes Made from Polyethylene (LDPE and HDPE) and Polypropylene (PP)", Journal of Hazardous Materials, 149(3), pp. 536-542, 2007
40. M.H. Nilsen, E. Antonakou, A. Bouzga, A.A. Lappas, K. Mathisen, M. Stöcker, "Investigation of the Effect of Metal Sites in Me-Al-MCM-41 (Me=Fe, Cu or Zn) on the Catalytic Behavior During the Pyrolysis of Wooden Based Biomass", Microporous & Mesoporous Materials, 105(1-2), pp. 189-203, 2007
41. A.C. Psarras, E.F. Iliopoulou, L. Nalbandian, A.A. Lappas, C. Pouwels, "Study of the Accessibility Effect on the Irreversible Deactivation of FCC Catalysts from Contaminant Feed Metals", Catalysis Today, 127(1-4), pp. 44-53, 2007
42. J.A.Valla, E. Mouriki, A.A. Lappas, I.A. Vasalos, "The Effect of Heavy Aromatic Sulfur Compounds on Sulfur in Cracked Naphtha", Catalysis Today, 127(1-4), pp. 92-98, 2007
43. E.F. Iliopoulou, E. Antonakou, S.A. Karakoulia, A.A. Lappas, I.A. Vasalos, K.S. Triantafyllidis, "Catalytic Conversion of Biomass Pyrolysis Products by Mesoporous Materials: Effect of Steam Stability and Acidity of Al-MCM-41 Catalysts", Chemical Engineering Journal, 134(1-3), pp. 51-57, 2007
44. D.S. Achilias, I. Kanellopoulou, P. Megalokonomos, E. Antonakou, A.A. Lappas, "Chemical Recycling of Polystyrene by Pyrolysis: Potential Use of the Liquid Product for the Reproduction of Polymer", Macromolecular Materials and Engineering, 292(8), pp. 923-934, 2007
45. K.S. Triantafyllidis, V.G. Komvokis, M.C. Papapetrou, I.A. Vasalos, A.A. Lappas, "Microporous and Mesoporous Aluminosilicates as Catalysts for the Cracking of Fischer-Tropsch Waxes Towards the Production of "Clean" Bio-Fuels", Stud. Surf. Sci. Catal., 170(B), pp. 1344-1350, 2007
46. A.A. Lappas, V.S. Dimitropoulos, E. Antonakou, S.S. Voutetakis, I.A. Vasalos, "Design, Construction and Operation of a Transported Fluid Bed Process Development Unit for Biomass Fast Pyrolysis: Effect of Pyrolysis Temperature", Ind. Eng. Chem. Res., 47(3), pp. 742-747, 2008
47. D.S. Achilias, E. Antonakou, C. Roupakias, P. Megalokonomos, A.A. Lappas, "Recycling Techniques of Polyolefins from Plastic Wastes", Global Nest Journal, 10(1), pp. 114-122, 2008
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49. A.C. Psarras, E.F. Iliopoulou, K. Kostaras, A.A. Lappas, C. Pouwels, "Investigation of Advanced Laboratory Deactivation Techniques of FCC Catalysts via FTIR Acidity Studies", Microporous & Mesoporous Materials, 120(1-2), pp. 141-146, 2009
50. A.A. Lappas, S. Bezergianni, I.A. Vasalos, "Production of Biofuels via Co-processing in Conventional Refining Processes", Catalysis Today, 145(1-2), pp. 55-62, 2009
51. D.H. Park, S.S. Kim, H. Wang, T.J. Pinnavaia, M.C. Papapetrou, A.A. Lappas, K.S. Triantafyllidis, "Selective Petroleum Refining Over a Zeolite Catalyst with Small

- Intracrystal Mesopores", *Angewandte Chemie-International Edition*, 48(41), pp. 7645-7648, 2009
52. D.S. Achilias, E. Antonakou, E. Koutsokosta, A.A. Lappas, "Chemical Recycling of Polymers from Waste Electric and Electronic Equipment", *Journal of Applied Polymer Science*, 114(1), pp. 212-221, 2009
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 55. A.A. Lappas, D.K. Iatridis, I.A. Vasalos, "Production of Liquid Biofuels in a Fluid Catalytic Cracking Pilot-Plant Unit Using Waxes Produced from a Biomass-to-Liquid (BTL) Process", *Ind. Eng. Chem. Res.*, 50(2), pp. 531-538, 2011
 56. T. Sfetsas, C. Michailof, A.A. Lappas, Q. Li, B. Kneale, "Qualitative and Quantitative Analysis of Pyrolysis Oil by Gas Chromatography with Flame Ionization Detection and Comprehensive Two-Dimensional Gas Chromatography with Time-of-Flight Mass Spectrometry", *Journal of Chromatography A*, 1218(21), pp. 3317-3325, 2011
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 61. V.G. Komvokis, S. Karakoulia, E.F. Iliopoulou, M.C. Papapetrou, I.A. Vasalos, A.A. Lappas, K.S. Triantafyllidis, "Upgrading of Fischer-Tropsch Synthesis Bio-Waxes via Catalytic Cracking: Effect of Acidity, Porosity and Metal Modification of Zeolitic and Mesoporous Aluminosilicate Catalysts", *Catalysis Today*, 196(1), pp. 42-55, 2012
 62. A.A. Lappas, K.G. Kalogiannis, E.F. Iliopoulou, K.S. Triantafyllidis, S.D. Stefanidis, "Catalytic Pyrolysis of Biomass for Transportation Fuels", *Wiley Interdisciplinary Reviews: Energy and Environment*, 1(3), pp. 285-297, 2012
 63. B. Girisuta, K.G. Kalogiannis, K. Dussan, J.J. Leahy, M.H.B. Hayes, S.D. Stefanidis, C.M. Michailof, A.A. Lappas, "An Integrated Process for the Production of Platform Chemicals and Diesel Miscible Fuels by Acid-Catalyzed Hydrolysis and Downstream Upgrading of the Acid Hydrolysis Residues with Thermal and Catalytic Pyrolysis", *Bioresource Technology*, 126, pp. 92-100, 2012
 64. E. Heracleous, E.F. Iliopoulou, A.A. Lappas, "Microporous/Mesoporous Pt/ZSM-5 Catalysts for Hydroisomerization of BTL-Naphtha", *Ind. Eng. Chem. Res.*, 52(41), pp. 14567-14573, 2013
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66. S. Stefanidis, K. Kalogiannis, E.F. Iliopoulou, A.A. Lappas, J.M. Triguero, M.T. Navarro, A. Chica, F. Rey, "Mesopore-Modified Mordenites as Catalysts for Catalytic Pyrolysis of Biomass and Cracking of Vacuum Gasoil Processes", *Green Chemistry*, 15(6), pp. 1647-1658, 2013
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A3. Books

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2. A.A. Lemonidou, A.A. Lappas, I.A. Vasalos, "Catalysis and Refinery", Unesco Encyclopedia of Life Science (to be published)
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A4. Patents

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A5. Chapters in Books

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A6. Citations

From Scopus

Total amount of citations: 3478

Progress of citations during the last years:

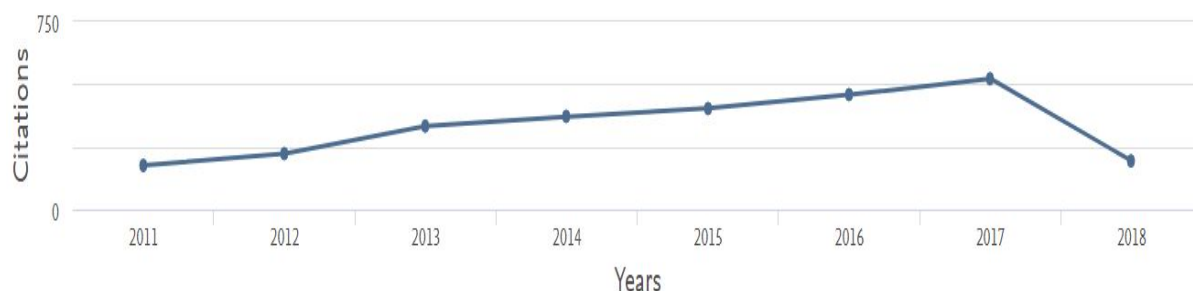
<2011	2011	2012	2013	2014	2015	2016	2017	April 2018	Total
651	186	246	336	398	429	498	538	196	3478



Total amount of citations (without self-references): 3252 (Analytically given in Appendix 1 included in the CD)

Progress of citations during the last years:

<2011	2011	2012	2013	2014	2015	2016	2017	April 2018	Total
572	176	223	333	370	404	458	522	194	3252



A7. Publications in Proceedings of Greek Conferences

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6. A.A. Λάππας, Δ.Κ. Ιατρίδης, I.A. Βασάλος, "Επίδραση των Συνθηκών Λειτουργίας και της ποιότητας της τροφοδοσίας στη σύσταση της βενζίνης που παράγεται στη μονάδα FCC", 1^ο Πανελλήνιο Συνέδριο Χημικής Μηχανικής, Πάτρα, Μάιος 1997
7. Χ. Κορδούλης, Χ. Φούντζουλα, Α. Λυκουργιώτης, A.A. Λάππας, Ν. Δρακάκη, I.A. Βασάλος, "Συγκριτική Μελέτη Καταλυτών Υδρογονοαποθείωσης Βενζίνης Καταλυτικής Πυρόλυσης σε Πιλοτική Μονάδα", 1^ο Πανελλήνιο Συνέδριο Χημικής Μηχανικής, Πάτρα, Μάιος 1997
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B. FUNDING FROM EUROPEAN-NATIONAL AND INDUSTRIAL PROJECTS

The total funding from European, National and Industrial projects is given in the following table:

TOTAL FINANCING IN k€ (2008-2017)

PROGRAMS	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
European	126	798	327	518	638	326	503	310	595	210
National	347	558	122	205	222	475	391	347	238	45
Industrial	1711	2338	1852	1880	1494	1671	1804	1658	1615	1335
TOTAL	2184	3694	2301	2603	2354	2472	2698	2315	2448	1590

The programs in which the candidate participated as scientific responsible/coordinator or as principal researcher are presented analytically:

B1. EUROPEAN PROGRAMS

Scientific Responsible/Coordinator

1. H2020-760802

Sustainable and efficient bio-chemical catalytic cascade conversion of residual biomass to high quality biopolymers (**BioCatPolymers**) - Coordinator
Coordinator: CPERI/CERTH

Duration: 11/2017-12/2020

Budget of CPERI: 1,316,250 €

2. H2020-709493

Direct Primary Coal Liquefaction via an Innovative Co-processing Approach with Waste and Petroleum Feedstocks (**DIRPRIMCOAL**)
Coordinator: UNIVERSITY OF NOTTINGHAM (UNOTT)

Duration: 7/2016-6/2019

Budget of CPERI: 447,925 €

3. FP7- NMP-2013-LARGE-7

CAScade deoxygenation process using tailored nanoCATalysts for the production of BiofuELs from lignocellulosic biomass (**CASCATBEL**)
Coordinator: Fundacion IMDEA ENERGIA (Spain)

Duration: 11/2013-10/2017

Budget of CPERI: 1,331,125 €

4. FP7- SME-2012 Activity 2.2

A novel technology for producing bio-based textile fibres from biomass derived furanic monomers (**ECOLASTANE**)
Coordinator: AMIQ (Spain)

Duration: 3/2013-2/2016

Budget of CPERI: 530,480 €

5. FP7- ENERGY.2011-1

Biomass based energy intermediates boosting biofuel production (**BIOBOOST**)

Coordinator: KIT (FZK) - Germany

Duration: 1/2012-6/2015

Budget of CPERI: 758,950 €

6. INFRA-2011-1.1.15

The European Research Infrastructure for Thermochemical Biomass Conversion (**BRISK**)

Coordinator: KTH (Sweden)

Duration: 10/2011-9/2015

Budget of CPERI: 428,852 €

7. FP7-Energy-2007-2-TREN

Optimized Fuels for Sustainable Transport in Europe (**OPTFUEL**)

Coordinator: Volkswagen AG (Germany)

Duration: 1/2009-12/2012

Budget of CPERI: 927,270 €

8. FP7, CP-IP 228589-2

Forest Biorefineries: Added-value from Chemicals and Polymers by new Integrated Separation, Fractionation and Upgrading Technologies (**AFORE**)

Coordinator: VTT (Finland)

Duration: 9/2009-8/2013

Budget of CPERI: 514,804 €

9. FP7-ENERGY 2008.3.2.1

The Production of Sustainable Diesel-Miscible Biofuels from the Residues and Wastes of Europe and Latin America (**DIBANET**)

Coordinator: UNIVERSITY OF LIMERICK (Ireland)

Duration: 7/2009-3/2013

Budget of CPERI: 418,000 €

10. PERG04-GA-2008-235058-MARIE CURIE

Novel Efficient Catalysts for Bio-Syngas Conversion to C2-C4 Alcohols (**GAS2ALCO**)

Coordinator: CPERI/CERTH

Duration: 3/2009-3/2012

Budget of CPERI: 45,000 €

11. FP6. Network of excellence, Priority 3

IN-Situ study and DEvelopment of processes involving nano-PORE Solids (INSIDEPORES) – NoE

Coordinator: NCSR DEMOKRITOS

Duration: 10/2004-3/2009

Budget of CPERI: 180,000 €

12.ENK6-CT2001-00510

Catalyst Development for Catalytic Biomass Flash Pyrolysis Producing Promising Liquid Bio-fuels (**BIOCAT**)

Coordinator: CPERI/CERTH

Duration: 1/2002-12/2004

Budget of CPERI: 527,157 €

13. G5RD-CT-2001-00544

Development of Ceramic Membranes for Olefin Recovery from Liquefied Petroleum Gases (**CERAMA_LPG**)

Coordinator: NCSR DEMOKRITOS

Duration: 9/2001-2/2005

Budget of CPERI: 450,000 €

14. JOE3-CT98-7024

Optimization of Industrial Kilns by means of Using Low O₂ Content Exhaust Gases from Gas-Turbine Cogeneration Systems (**CRAFT**)

Coordinator: ENFL

Duration: 12/1998-11/2000

Budget of CPERI: 150,000 €

Principal Researcher

15. **FP7-2009-BIOREFINERY_CP**, Collaborative project (Grand Agreement 241718): EUROpean Multilevel Integrated BIOREFinery Design for Sustainable Biomass Processing (**EUROBIOREF**), Coordinator: ARKEMA FRANCE SA, Duration: 3/2010-2/2014, Budget of CPERI: 475.092 €, Scientific Responsible: Prof. A. Lemonidou
16. **FP7-ERANET-2010-RTD, NMP3-ER-2011-266543**, Catalytic Processes for Innovative Technology Applications (**CAPITA**), Coordinator: NOW (Netherlands), Duration: 1/2012-12/2015, Budget of CPERI: 168.846 €, Scientific Responsible: Prof. I.A. Vasalos
17. Integrated Project, Priority 6.1.ii: "Renewable fuels for advanced powertrains (**RENEW**)", Duration: 4 years (2004-2008), CERTH contribution: 834.480€, Scientific Responsible: Prof. I.A. Vasalos
18. GROWTH 'DENOX Process for the refinery of the Future', Coordinator/Scientific Responsible Prof. I.A. Vasalos
19. JOULE II "Advanced Modelling of Riser-Type Catalytic Cracking Reactors", 1993-1995. Scientific Responsible: Prof. I.A. Vasalos
20. "Development of a Zeolite Based Catalyst for paraffin Alkylation in a Slurry Reactor", 1996-1998
21. JOR3-CT95-0081 "Catalytic Pyrolysis of Biomass for Improved Fuel Quality", Scientific Responsible Prof. I.A. Vasalos
22. JOULE III (JOE3-CT97-0052) "Membrane Separation of olefins from FCC naphtha and gases for production of reformulated gasoline" 1998-2001, Coordinator/Scientific Responsible: Prof. G. Sakellariopoulos
23. "Novel catalytic processes for the removal of NO_x and volatile organic compounds from stationary sources", Environment 1995-1998

B2. NATIONAL PROGRAMS

Scientific Responsible/Coordinator

1. T1EAK-03057

Innovative catalytic processes for the exploitation of low value oil fractions towards the production of upgrading fuels and petrochemical raw materials (**PROOFF**) - Coordinator

Budget of CPERI: 435,650 €

2. 11SYN_7_1579

The Sustainable Integrated Method for the Production of Lignocellulosic Ethanol (**SIMPLE**)

Duration: 1/2013-10/2015

Budget of CPERI: 340,000 €

3. 13CAPITA-13-6

Waste bio-feedstocks hydro-valorization processes (**WAVES**)

Duration: 11/2013-9/2015

Budget of CPERI: 150,000 €

4. ISR_3176

CASTOR bean (JONAH seed) cultivation in Central Macedonia, Greece and industrial exploitation of its derivatives towards biofuels production (**JONAH-FUEL**)

Duration: 6/2014-11/2015

Budget of CPERI: 75,775 €

5. THALIS_380405

New catalytic processes for the production of second generation biofuels (**CAT-BIOFUEL**)

Duration: 1/2012-11/2015

Budget of CPERI: 540,000 €

6. 09ΣYN-42-791

Development of Advanced Nanostructured Catalytic Materials for Energy and Environmental Applications utilizing greek Natural Rocks as Raw Materials (**NanoMgO**)

Duration: 1/2011-1/2014

Budget of CPERI: 176,000 €

7. GSRT - Competitiveness (EIIAN)

Heterogeneous catalysis for the conversion of solid biomass into renewable fuels and chemicals (**HECABIO**)

Duration: 1/2009-3/2012

Budget of CPERI: 130,000 €

8. AKMON, Project 110

Development and Application of Technology for the Evaluation of Catalytic Materials for the Cracking of Heavy Fuels and Lignocellulosic Materials in long Fluidised-Bed Reactors

Duration: 1/9/2006-1/7/2009

Budget of CPERI: 468,000 €

9. PAVE, Project 190

Development of Technology for the Simulation of Catalytic Cracking Unit of Hellenic Petroleum for Catalysts Yields Estimation

Duration: 1/7/06-31/12/07

Budget of CPERI: 120,000 €

10. PENED, Project 03EΔ859

Deactivation Study of Catalytic Cracking catalysts due to Heavy Metals Deposition

Duration: 1/7/2005-1/7/2008

Budget of CPERI: 45,000 €

11. ESPRO, Project E3

Development of New Chemical Processes for the Production of Greek Bio-diesel from Biomass and its Applications in the Greek Market

Duration: 1/7/2004-1/7/2007

Budget of CPERI: 58,000 €

12. Program of Greek-Cyprian Collaboration 2006

Duration: 1/1/2007-1/7/2008

Budget of CPERI: 23,000 €

13. Program Pythagoras II Environment – Collaboration with AUTH Department of Chemistry

Development of Advanced Methods for Polymer Recycling

Duration: 1/7/2004-1/7/2007

Budget of CPERI: 10,000 €

14. Program Pythagoras II Environment – Collaboration with AUTH Department of Chemical Engineering

Thermochemical Conversion of Agricultural Cultivations Residues (Biomass) for the Production of Hydrogen and Electrical Energy in Fuel Cells as well as Production of Active Carbon

Duration: 1/7/2004-1/7/2007

Budget of CPERI: 10,000 €

15. Program ADAPT

Adaptation of the Productive Dynamic to the Technical Changes coming from the adopting of the Montreal Protocol

Duration: 1/7/1999-1/7/2001

Budget of CPERI: 50,000 €

Principal Researcher

16. T1EAK-02864, Exploitation of liquid wastes from oil refining with simultaneous recycling of glycerin from biodiesel production units towards production of glycerides and high added value products (propylene) (**PropErDiesel**), Budget of CPERI: 299.067 €, Scientific Responsible: C. Michailof
17. T1EAK-01532, Innovative intensified processes for binding and converting CO₂ to methanol (**CO₂MeOH**), Budget of CPERI: 244.730 €, Scientific Responsible: E. Heracleous
18. Olive mill wastewater: From a pollutant to green fuels, agricultural water source and bio-fertilizer (**WASTE2FUEL**), Duration: 9/2017-8/2010, Budget of CPERI: 100.000 €, Scientific Responsible: E. Iliopoulou
19. Επιχειρησιακό Πρόγραμμα Ανταγωνιστικότητα και Επιχειρηματικότητα (ΕΠΑΝ II) – Δράση: Αναπτυξιακές προτάσεις ερευνητικών φορέων – **ΚΡΗΠΙΣ**, 2012-2015
20. 11ΣΥΝ_4_175, Exploring novel routes for CO₂ free fossil fuel combustion (**CO₂free.com**), Duration: 4/2013-6/2015, Budget of CPERI: 130.020 €, Scientific Responsible: E. Iliopoulou
21. 13FENCO-13-478A, Minerals for sustainable cost and energy efficient chemical looping combustion technology (**Mineral SCOUT**), Duration: 10/2013-10/2015, Budget of CPERI: 50.000 €, Scientific Responsible: E. Iliopoulou
22. 09ΣΥΝ-32-596, Energy utilization of solid and liquid biofuels in the electricity generating sector (**ENEPBIO**), Duration: 2/2011-8/2013, Budget of CPERI: 246.195 €, Scientific Responsible: E. Iliopoulou
23. Development of innovative catalytic systems via the collaboration of structural and surface promoters for the simultaneous restriction of nitrogen oxides (NO_x) and hypoxides (N₂O) emissions (**CASANNO-THALIS**), Budget of CPERI: 147.689 €, Scientific Responsible: E. Iliopoulou

24. 09SYN-51-1165, Integrated environmental methodologies for the reduction of biodiesel production cost utilizing the produced (**GLYCO-BIODIESEL**), Duration: 1/2011-6/2015, Budget of CPERI: 45.000 €, Scientific Responsible: Prof. A. Lemonidou
25. Program AKMON, "Application of Catalysts Evaluation Technology for Petroleum Industry", Budget 2.083.640 €, 1/3/2002-1/3/2005. Scientific Responsible: Prof. I.A. Vasalos
26. HUMAN NETWORKS 3rd Community Support Framework "Energy Technologies for Viable Development", 2003-2005, Scientific Responsible: Prof. I.A. Vasalos
27. Greek-American Collaboration, "Production of Clean Fuels utilizing Innovative Nanostructured Micro/Mesoporous Catalytic Materials and Environmentally-friendly Refining Processes", 2004-2005, Scientific Responsible: Prof. I.A. Vasalos
28. Program EPET EKVAN#39, "Optimization of Refinery Processes with Catalysts Development and Application", 1998-2001. Scientific Responsible: Prof. I.A. Vasalos
29. EPET EKVAN#12, "Development and Economic Evaluation of Environmental Fuels", 1995-1997. Scientific Responsible/Coordinator: Prof. I.A. Vasalos
30. NATO, "Cracking for the Production of Liquid and Gas Fuels from Lignite", 1986-1990, Scientific Responsible: Prof. I.A. Vasalos
31. STRIDE, "Increase of the Competitiveness of Greek Refineries", 1993-1994. Scientific Responsible: Prof. I.A. Vasalos
32. PRISMA, "Equipment of Scientific Areas", 1994, Scientific Responsible: Prof. I.A. Vasalos
33. "Support of Laboratories for Services supply", Scientific Responsible: Prof. I.A. Vasalos, 1997-1999

B3. Industrial Collaborations

Scientific Responsible/Coordinator

1. BP Products North America Inc.

Project Titles:

- Relating to BP Refining FCC Catalyst and Additive Testing Programme in a Long Riser Reactor with Different Feedstocks and Deactivation Procedures
- Evaluation of the Fluid Catalytic Cracking Technology
- Pyrolysis Oil Integration within a Refinery
- Pyrolysis Processing of Hydrocarbon feedstocks
- Relating to the Development of New FCC Process Technology
- Coke Metals Deposition on FCC catalyst
- FCC feedstock Sensitivity I
- FCC feedstock Sensitivity II
- Deactivation and testing of new catalysts

Duration: 1/1/2007-31/12/2021

Budget: 4,364,194 €

2. BASF (Germany)

Project Title: CPERI-BASF collaboration agreement: FCC Catalyst Evaluation for BASF using pilot plant and bench scale facilities

Duration: 1/7/2008-31/12/2018

Budget: 1,347,263 €

3. Hellenic Petroleum/Industrial Installations of Aspropyrgos

Project Titles:

- Παρακολούθηση ποιότητας και αξιολόγηση καταλυτών καταλυτικής πυρόληξης ΕΛΠΕ/ΒΕΑ

- Catalysts evaluation in pilot-scale
- Study of RE Effect on catalysts yields
- Study of HHGO Effect on the feedstock of Hellenic Petroleum
- Observation of catalysts quality of Hellenic Petroleum

Duration: 1/1/2004-31/12/2018

Budget: 1,150,204 €

4. UOP (USA)

Project Title: Laboratory Services Agreement: Upgrading of Bio-oil through Catalytic Cracking on Pilot Scale

Duration: 1/9/2008-31/12/2018

Budget: 1,127,024 €

5. Albemarle

Project Titles:

- Pilot Plant Studies on Catalysts/Additives comparison in a High Propylene Application on a Heavy Residue Feed
- Deactivation, Testing and Evaluation of High Accessibility Catalysts on Lab-scale
- Evaluation of New Technology Catalysts for Albemarle
- Evaluation of DeSO_x and DeNO_x additives

Duration: 1/9/2005-31/12/2019

Budget: 844,896 €

6. KIOR (USA)

Projects Titles:

- Biomass Catalytic Pyrolysis Tests in a Transported Pilot Plant Unit
- Catalytic Pyrolysis Processing of Biomass for in situ-upgrading of bio-oil

Duration: 1/1/2008-31/1/2013

Budget: 680,000 €

7. RIVETECH (USA)

Project Titles:

- Evaluation of new zolite catalysts on bench scale units
- Testing RIVE catalysts for biomass catalytic pyrolysis

Duration: 1/1/2007-31/12/2018

Budget: 591,610 €

8. Repsol YPF SA (Spain)

Project Title: Effect of FCC feed quality on products yields

Duration: 15/11/2006-31/12/2018

Budget: 577,245 €

9. METSO POWER OY

Project Title: Evaluation of Catalysts for Biomass Catalytic Pyrolysis Process. Process Optimization and Bio-oil Upgrading.

Duration: 1/9/2013-31/12/2021

Budget: 491,512 €

10. JOHNSON MATTHEY/INTERCAT

Project Titles:

- CPERI_INTERCAT_SO_x Program - Reduction of SO_x emissions from the Fluid catalytic cracking (FCC) regenerator operating in partial burn mode
- CPERI Riser Study for Evaluation of ZSM-5 Additives for JM

Duration: 1/1/2010-31/12/2018

Budget: 398,416 €

11. PERTAMINA (Indonesia)

Project Titles:

- Evaluation of RCC catalysts for Pertamina refinery unit in pilot plant unit
- Catalyst evaluation for resid cracking (RCC)

Duration: 15/1/2007-31/12/2011 & 20/11/2017-31/12/2018

Budget: 274,856 €

12. TOTAL RAFFINAGE CHEMIE

Project Title: Pilot Tests Campaigns Related to FCC Catalysts Samples and Feedstock

Duration: 1/1/2016-30/11/2020

Budget: 256,721 €

13. CPERI-GRACE COLLABORATION

Project Titles:

- Small and Pilot Scale Deactivation Program of Z-21 and Z-22 containing catalysts
- Pilot Riser Comparison Testing

Duration: 1/3/2010-31/12/2018

Budget: 236,300 €

14. JACOBS CONSULTANCY

Project Title: Catalyst evaluation for LINIK TNK BP refinery

Duration: 1/2/2011-31/12/2017

Budget: 193,878 €

15. ENSYN SERVICE COLLABORATION

Project Title: FCC Pilot Plant Testing for Co-Feeding VGO and Biooil Blended with ETOH

Duration: 26/3/2013-31/12/2017

Budget: 184,365 €

16. SABIC

Project Title: CPERI/CERTH - SABIC Research Service Collaboration Proposal "Pyrolysis of Polymeric Materials"

Duration: 25/8/2013-31/12/2018

Budget: 182,962 €

17. NESTE OYJ (Finland)

Project Title: Pilot plant catalyst testing for Porvoo Refinery

Duration: 15/1/2002-31/12/2010 & 1/10/2015-31/12/2018

Budget: 153,061 €

18. KFUPM

Project Title: FCC Catalyst Testing on Pilot Scale for King Fahd University of Petroleum and Minerals (KFUPM)

Duration: 10/5/2015-31/12/2018

Budget: 149,505 €

19. LITASCO SA

Project Titles:

- Evaluation of two fresh Fluid Catalytic Cracking FCC and one ECAT for ISAB LUKOIL
- Evaluation of two fresh Fluid Catalytic Cracking FCC and one ECAT for PETROTEL LUKOIL
- Evaluation of two fresh Fluid Catalytic Cracking FCC and one ECAT for BURGAS LUKOIL

- FCC Catalysts testing in CPERI riser pilot plant unit for PETROTEL-LUKOIL refinery

Duration: 1/3/2011-31/12/2012 & 1/11/2016-30/6/2019

Budget: 148,784 €

20. Refining Process Services Inc. (RPS) - FHRPB4

Project Title:

Duration: 2/11/2009-31/12/2017

Budget: 119,178 €

21. Kuwait National Petroleum Company (KNPC)

Project Titles:

- Pilot plant testing of fresh FCC catalysts
- Pilot scale deactivation and Evaluation of catalytic cracking catalysts

Duration: 1/7/2009-31/12/2018

Budget: 114,881 €

22. JSC GAZPROMNEFT-OMSK REFINERY

Project Title:

Duration: 1/6/2013-31/12/2018

Budget: 113,262 €

23. SASOL TECHNOLOGY

Project Title: CPERI/CERTH - SASOL Collaboration: ZSM5 Based FCC Catalyst Testing for SASOL TECHNOLOGY LTD

Duration: 7/6/2014-31/12/2018

Budget: 90,576 €

24. PCK NEW PROJECT

Project Title: Evaluation of 4 Fresh FCC Catalysts (3 new and 1 Base) at 1 Temperature

Duration: 1/1/2011-31/12/2012 & 1/1/2014-31/12/2018

Budget: 82,788 €

25. ENAP REFINERIAS

Project Title: Pilot Plant Assessment of FCC Fresh Catalysts at CPERI

Duration: 14/8/2015-31/12/2018

Budget: 80,920 €

26. Haldor Topsoe

Project Title:

Duration: 1/1/2015-31/12/2018

Budget: 74,392 €

27. InovaCat

Project Title: Experimental Study Targeting to the Proof of an Innovative Gasoline to Propylene Concept

Duration: 16/9/2015-31/1/2018

Budget: 70,507 €

28. GALPENERGIA

Project Title:

Duration: 24/3/2016-31/12/2018

Budget: 52,020 €

29. EXXON MOBIL

Project Title: ACE ECat Testing & Catalyst Study

Duration: 21/7/2017-31/12/2018
Budget: 35,318 €

30. HYUNDAI OILBANK

Project Title: Deactivation of FCC catalysts in CPERI Pilot scale cyclic deactivation unit

Duration: 1/11/2017-31/12/2018
Budget: 34,000 €

31. NIS GAZPROM NEFT

Project title: FCC Catalyst Evaluation

Duration: 19/3/2015-31/12/2016
Budget: 30,600 €

32. ReZel Catalysts Corp.

Project Title: Evaluation of 1 Fresh Resid Fluid Catalytic Cracking (RFFC) Catalyst (Rezel-VPBS) from DMC and Rezel Catalysts Corp.

Duration: 25/5/2016-31/12/2018
Budget: 20,230 €

33. MARATHON PETROLEUM COMPANY LP

Project Title: Testing of fresh FCC Catalyst catalyst in the pilot plant after CPS deactivation of the catalyst

Duration: 17/4/2015-31/12/2018
Budget: 20,230 €

34. INA, Petrom, PKN, Ceska Refinerska (Croatia, Romania, Poland, Czech R)

Project Title: FCC catalyst evaluation for Balkan and other central Europe refineries

Duration: 1/1/2005-31/12/2012
Budget: 399,550 €

35. Bayernoil Ingolstadt, Bayernoil Neustadt (Germany)

Project Title: FCC catalysts evaluation for Bayernoil Refineries (Ingolstadt, Neustadt)

Duration: 1/9/2005-31/12/2012
Budget: 305,040 €

36. OMV (Austria)

Project Title: Catalytic additives (ZSM-5) study for Propylene production

Duration: 1/1/2003-31/12/2011
Budget: 189,700 €

37. PETROPLUS REICHSTETT

Project Title: Pilot plant testing of fresh FCC catalysts for Petroplus Reichestett Refinery

Duration: 1/3/2009-31/12/2011
Budget: 38,250 €

38. Grace Davison

Projects Titles:

- Protocol Development for Bench Scale Evaluation of FCC Catalysts for Iron Tolerance-Iron Study
- Comparison of the performance of DCR and CPERI pilot plant
- Comparison of the performance of Grace and CPERI CPS units

Duration: 1/1/2003-31/12/2012
Budget: 120,000 €

39. RPS USA, Grace Davison USA

Project Title: FCC catalysts Deactivation Services

Duration: 1/1/2005-31/12/2008

Budget: 100,000 \$

40. IFP, Total (France)

Project Title: IFP, Total, CPERI/CERTH Collaboration study

Duration: 15/6/2006-15/6/2007

Budget: 72,000 €

41. Caltex Lytton/Chevron (Australia)

Project Title: Evaluation of four FCC catalyst for Caltex Lytton Refinery in CPERI FCC pilot plant unit

Duration: 1/1/2006-1/1/2007

Budget: 58,000 €

Principal Researcher

- 42. "Catalytic Cracking of the Future 1", CPERI, AMOCO, AKZO Scientific Responsible Prof. I.A. Vasalos 1997-1999
- 43. "Gasoline Sulfur Reduction Project", CPERI, AKZO-NOBEL, BP, Coordinator/Scientific Responsible Prof. I.A. Vasalos
- 44. "Refining Catalyst Testing Program", BP-AMOCO, CPERI, 2001-2006 (Budget >2.500.000\$)
- 45. "Catalytic Cracking of the Future 2", AMOCO, AKZO, CPERI, 1999-2001
- 46. "Relating to Catalytic Cracking of the Future: Sulfur reduction in FCC gasoline", BP, AKZO, CPERI, 2001-2002

C. EDUCATIONAL EXPERIENCE

C1. Teaching

- 1986-1993 Teaching assistant in the courses "Technology of Liquid Fuels" and "Technology of Solid Fuels" of the 7th and 8th semesters in the Chemical Engineering Department of AUTH
- 1987-1991 Teaching assistant, taught software CHEMCAD for the simulation of chemical installations to students of the 7th and 8th semester in the Department of Chemical Engineering of AUTH
- 1987-1993 Teaching assistant, supervised laboratory exercises to students of the Chemical Engineering Department of AUTH in the context of the above courses
- 1993-2003 Teaching assistant, supervised laboratory exercises in the context of the course "Energy Raw Materials" of the 9th semester of the Chemical Engineering Department of AUTH
- 2005-2006 Adjunct Professor taught "Physicochemical Processes", Technological Educational Institution of Thessaloniki, Department of Automation.
- 2005 Lecturer in the 1st European Summer School on Renewable Motor Fuels: F-T Synthesis Product Upgrading. Umwelt-Campus-Birkenfeld, 29-31, August 2005
- 2006 Lecturer in 2nd European Summer School on Renewable Motor Fuels: Upgrading Technologies of Biomass To Liquid (BTL) Heavy Product for the

	Synthesis of Transportation Fuels. 29-31 August 2007, Agricultural University of Warsaw
2007	Lecturer in the Postgraduate Program «Catalysis and its Applications». Taught the course Applied Catalysis, Greek Open University.
2009-2010	Adjunct Professor taught “Physicochemical Processes”, Technological Educational Institution of Thessaloniki, Department of Automation
2007-2012	Lectures and conducted tours during the last 5 years of the students of the Dept. of Chemical Engineering of AUTH who selected the course “Production Processes of conventional and alternative fuels”
2016-2017	Postgraduate Program: "Research and Exploitation of Hydrocarbons", Course of 3 rd semester: Hydrocarbons Processing and Surface Facilities, Department of Geology, AUTH

C2. Member of Advisory Committee of PhD Candidates

- E. Iliopoulou, Reduction of NO_x Emissions from the Flue Gases of the Regenerator of a Fluid Catalytic Cracking (FCC) Unit using Catalytic Additives, AUTH, 2004
- G. Bollas, Development of a Mathematical Model for the Dynamic Simulation of Catalytic Cracking Units, AUTH, 2001-2006
- I. Valla, Development of New Catalytic Systems and Processes for the Removal of Sulfur Hydrocarbons of Naphtha for the Production of Environmental Gasoline, AUTH, 2002-2006
- A. Psarras, Study of Catalysts Deactivation for Catalytic Cracking Process due to Heavy Metals Deposition, AUTH, 2006-2009
- V. Komvokis, Synthesis, Characterization and Evaluation of New Nanocomposed Catalytic Materials for NO_x Reduction Processes from Industrial Units Exhaust Gases, AUTH, 2004-2009
- G. Pekridis, Selective Catalytic Reduction of Nitrogen Oxides with Hydrocarbons in Conventional Fixed Bed Catalytic Reactors and in Membrane Reactors of Solid Electrolytic Conductors of Sodium Ions, University of Western Macedonia, 2009
- O. Ioannidou, Production of Active Carbons from Agricultural Biomass and their Utilization in the Removal of Selected pesticides, AUTH, 2011
- A. Gutierrez, Noble Metal Catalysts in the Production of Biofuels, University of Aalto, Finland, 2011
- E. Vasiliadou, Alternative Catalytic Production Process of Propylenoglycol through Exploitation of the Bio-diesel Stream By-products, AUTH, 2012
- F. Melligan, Pyrolysis of Biomass & Biorefinery Residual Materials for the Production of Advanced Biofuels, University of Limerick, Ireland, 2012
- P. Nanou, Biomass Gasification for the Production of Methane, University of Twente, Netherlands, 2013

- E. Antonakou, Development of Advanced Thermochemical Recycling Techniques for Polymers, AUTH, 2014
- E. Liakakou, Development of Novel Catalytic Materials for the Thermochemical Conversion of Bio synthesis Gas to Higher Alcohols, AUTH, 2016
- S. Stefanidis, Biomass Catalytic Pyrolysis for the Production of Alternative Bio-fuels and Useful Chemical Products , University of Western Macedonia, 2016
- G. Nikolaidis, Modeling, Simulation and Optimization of Gas Separation Processes via Adsorption Methods for the Maximum Capture of Carbon Dioxide, AUTH, 2017
- B.-L. Yfanti, An Innovative Integrated Hydrodeoxygenation Process of Bio-glycerol towards 1,2-propanediol in the Absence of Hydrogen, AUTH (in progress)
- A. Marianou, Conversion of Biomass towards High Added Value Chemical Compounds through Advanced Catalytic Chemical Pprocesses, AUTH (in progress)
- A. Gusev, Activity and Deactivation Study of the ZSM-5 Additives in Fluid Catalytic Cracking Process, AUTH (in progress)
- M.-A. Charitopoulou, Thermochemical Recycling of Polymers from Electric and Electronic Devices Residues, AUTH (in progress)

C3. Supervision of Diploma Thesis

1. Pyrolysis of Ptolemaida Lignite, D. Papavasiliou, Department of Chemical Engineering of AUTH (1989)
2. Kinetics of Pyrolysis Products of Ptolemaida Lignite, K. Batos, Department of Chemical Engineering of AUTH (1990)
3. Pyrolysis of Ptolemaida Lignite in CO₂ atmosphere, P. Ioannidou, Department of Chemical Engineering of AUTH (1991)
4. Preliminary Operation and Control of Mass Balances of CPERI's FCC pilot plant unit, H. Dapoulakis, Department of Chemical Engineering of AUTH (1994)
5. Production Kinetics of Pyrolysis Gases of FCC Unit, G. Kartsiotis, Department of Chemical Engineering of AUTH (1995)
6. Measurements and Correlations of Physical Properties of Oil Fractions. Feed Properties Determination of Catalytic Cracking Unit, P. Barthi, Department of Chemical Engineering of AUTH (1996)
7. Recording of the Operation of HAR's FCC Industrial Unit. Comparison with the results of CPERI's FCC Pilot Plant Unit, G. Papaefstathiou, Department of Chemical Engineering of AUTH (1996)
8. Development of a Simulation Model for the FCC Unit Reactor, E. Haina, Department of Chemical Engineering of AUTH (1996)
9. Aromatics Separation of Diesel produced in an HDS Pilot Plant. R.Budistanou, U. of Bucurest (1997)
10. Modeling of CPERI's HDS Pilot Plant Unit, M. Bantoula, Department of Chemical Engineering of AUTH (1998)
11. Models of Linear Programming for Fuels Mixing, M. Lagoidis, Department of Chemical Engineering of AUTH (1999)

12. Effect of Operating Conditions and Feedstock Quality on catalytic pyrolysis Product Yields, G. Bolas, A. Roussos, Department of Chemical Engineering of AUTH (1999)
13. Development of Mathematical Models for the Prediction of Catalytic Pyrolysis Products, M. Vlachomitrou, Department of Chemical Engineering of AUTH (2001)
14. Recording of the Operation of HAR's FCC Industrial Unit before and after revamping in SCT Unit, M. Chatzis, Department of Chemical Engineering of AUTH (2002)
15. Metals Deposition on Catalysts with dry and wet impregnation. Methods of deposition and Ni, V, Fe metal effects on FCC products, Stathopoulos Stelios, Department of Chemical Engineering of AUTH (2002)
16. Sulfur reduction technologies in FCC gasoline, Tourliti V., Department of Chemical Engineering of AUTH (2002)
17. Biomass catalytic pyrolysis in a fixed-bed reactor, Renti E., Technological Educational Institute of Kavala, Petroleum and Natural Gas Department (2002)
18. Production and quality control of bio-oil produced from catalytic pyrolysis of biomass, Odysseas Nikolopoulos, Department of Chemical Engineering of AUTH (2003)
19. Reaction mechanisms of sulfur compounds during the catalytic cracking process, Psarras Antonios, Department of Chemical Engineering of AUTH (2004)
20. Study of the cracking of heavy sulfur compounds during the catalytic cracking process, Mouriki Eleni, Department of Chemical Engineering of AUTH (2004)
21. Catalyst characterization for catalytic cracking with advanced methods, Axarlis Apostolos and Pavlou Petros, Department of Chemical Engineering of AUTH (2006)
22. Laboratory catalysts evaluation for catalytic cracking and comparison of laboratory deactivation methods. Vryzas Christos, Department of Chemical Engineering of AUTH (2007)
23. Development of mathematical model for the prediction of NO_x emissions in catalytic cracking units. Venetis Ioannis, Department of Chemical Engineering of AUTH (2008)
24. Biomass Pyrolysis McFetridge Alan University of Strathclyde, UK (2010)
25. Study of co-feeding of bio-oil in a conventional fluid catalytic cracking (FCC) process, Sardaki Katerina, Department of Chemical Engineering of AUTH (2012)
26. Removal of SO_x from the flue gases of the regenerator of a refinery FCC unit, Bichtas Christos, 2013
27. Selective catalytic reduction of nitrogen oxides (NO_x) using hydrocarbons on zirconia based catalysts (ZrO₂) reinforced with WO_x and Pd, Mitraka Evaggelia, 2013

C4. Supervision of foreign students/practical exercises

1. George Muresan, University of Bucurest, Project: Tempus 1994
2. Radu Butistanu, University of Bucurest, Project: Tempus 1994
3. Ianula-Aline Cicani, University of Bucurest, Project: Tempus 1995
4. Gabriella Stahl, Technical University of Budapest, IAESTE 1994
5. Karl-Hans Berger, University of Stuttgart, IAESTE 1995
6. Raul Mann, University of Madrid, IAESTE 1996
7. K. Suonpaa, Univ of Laperntana Finland, IAESTE 1997
8. Inge Hoffman, College of Aachen Germany, IAESTE 1998
9. Elio Rodriguez, Universidad Nacional de Salta Argentina, IAESTE 1998
10. Isabel Alexandra Pires, Instituto Superior Tecnico Che. Engineering Portugal, Training on Fuel Qualit Control, IAESTE 2000

11. Tzagaraki Evaggelia, Vourniti Sofia, Galatsianou Maria, Mourougrou Evmorfia, Department of Chemical Engineering of AUTH, Practical Exercise, EPEAEK 2000
12. Thuemmler Phillip, T. U. of Vraderburg Germany, Development of an Attrition tests unit, IAESTE 2001
13. Stag Andrea, U. of Saarland Germany, Fuel quality Control, IAESTE 2001
14. Christina Martavaltzi, Department of Chemical Engineering of AUTH, Fuel quality Control, EPEAEK 2001
15. Kyriakos Theodosiadis, Department of Chemical Engineering of AUTH, Attrition tests on FCC catalysts, EPEAEK 2001
16. Christina Vasalou, Department of Chemical Engineering of AUTH, Analyses of C, H of FCC catalysts, EPEAEK 2002
17. A. Evdou, Department of Chemical Engineering of AUTH, Fe deposition in CDU unit, EPEAEK 2002
18. Psarras, Department of Chemical Engineering of AUTH, Analyses of Sulfur determination of gasolines in SCD analyser
19. G. Vandever, U. of N. Caroline, H₂S analyses in flue gases, IAESTE 2002
20. A. Papadaki, U. of N.York, Biomass pyrolysis tests, 2002
21. Renti Eleni, Technological Educational Institute of Kavala, Petroleum and Natural Gas Department, Biomass pyrolysis tests, 2002
22. Christina Martavaltzi, Department of Chemical Engineering of AUTH, Bio-oil quality Control, 2003
23. Hanne Ronkkonen, U. Univ of Laperntana Finland, Bio-oil stability, IAESTE 2003
24. Andrea Stag, Fuel quality control, IAESTE 2004, Germany
25. J. Adams, SINTEF, Catalytic biomass pyrolysis, October 2004
26. Moza Al-Farsi, SULTAN UNIV. OMAN, Bio-oil separation and characterization, 2004
27. R. Gavin, QU Belfast, Biomass pyrolysis, 2004
28. Isabel Alexandra Pires, Training on Fuel Quality Control IAESTE 2005 Portugal
29. Christopoulos Fotis, Catalysts Deactivation, Technological Educational Institute of Western Macedonia 2006
30. Kakas Athanasios, Catalysts Deactivation, Technological Educational Institute of Western Macedonia 2007
31. S. Kalantzidou, Fuels Quality Control, Technological Educational Institute of Kavala, Petroleum and Natural Gas Department (2007)
32. Z. Aggelakoudi, Catalytic pyrolysis of Biomass, Technological Educational Institute of Kavala, Petroleum and Natural Gas Department (2007)
33. K. Schutle, University of Bochum, Germany, 2008
34. Anna Kazilbash, American University of Sharjah, Biomass treatment 2009
35. A. McFedridge, University of Strathclyde, United Kingdom, 2010
36. Anna Spajic, University of Belgrade, Fuel quality control, 2011
37. Alexis Dedes, Department of Mechanical Engineering, University of Western Macedonia, 2011
38. Panagiotis Betos, Technological Educational Institute of Kavala, Petroleum and Natural Gas Department, 2011
39. Avraam Papadopoulos, Technological Educational Institute of Kavala, Petroleum and Natural Gas Department, 2011
40. Margarita-Marianthi Filippidou, Technological Educational Institute of Kavala, Petroleum and Natural Gas Department, 2011

41. Antonio Pineda, Biomass Catalytic Pyrolysis of mesoporous ZSM-5 zeolites, Departamento de Quimica Organica, Universidad de Córdoba, 2012
42. Nistor Christina Lavinia, Micro-mesoporous Pt/ZSM-5 catalysts for the hydroisomerization of BTL-naphtha, National R&D Institute for Chemistry and Petrochemistry ICECHIM, Romania, 2012
43. Jana Aslanjan, Evaluation of sorptive materials for CO₂ removal, Technical University of Magdenburg, Γερμανία (IAESTE Student), 2013
44. Marjana Jovicic, Matthias Schmöllerl, BRISK visit: Hydroprocessing and Catalytic Cracking of Fischer-Tropsch biowaxes to biokerosene, REPOTEC-Umwelttechnik GmbH, Europastraße 1, A-7540 Güssing, Austria, 2013
45. Marjana Jovicic, BRISK visit: Hydroprocessing and Catalytic Cracking of Fischer-Tropsch biowaxes to biokerosene, REPOTEC-Umwelttechnik GmbH, Europastraße 1, A-7540 Güssing, Austria, 2013
46. Maher Al Busaidi, Chemical Analysis in Fuel Oil, IAESTE THESSALONIKIS - SULTAN QABOOS, OMAN, 2013
47. Dimitrios Dimarakis, Production of active carbons, 2013
48. Sonia Simonidou, Fuel chemical analysis, 2013
49. Spartakos Kelasidis, Catalysts and feeds evaluation in the fluid catalytic cracking process, 2013
50. Manuel Ojeda Rodríguez, Development of novel multifunctional catalysts for one-step DME production, Departamento de Química Orgánica-Universidad de Córdoba, Córdoba, Spain, 2014
51. Lukas Maier, Kerosene from wood: optimisation of isomerization, Repotec, Austria, 2014
52. Patrycja Popiolek, Fuel Quality Control, Szczecin, Poland, 2014
53. Evaggelia Mitsiakou, Chemical analysis in the analytical lab of LEFH, 2015
54. Stergios Botzouroglou, Operation of the fluid catalytic cracking unit, 2015
55. Politimi Penopoulou, Processes of biomass hydrothermal treatment, 2015
56. Grigoris Tsikedanos, Operation of the fluid catalytic cracking unit, Technological Educational Institute of Kavala, Petroleum and Natural Gas Department, 2015
57. Peshneva Vera, Fuel Quality Control, Lomonosov Moscow University, Russia, 2015
58. Renata Dominique, Paz Zumarraga, Training in fuel quality analysis, Universidad San Francisco de Quito, Equador, 2016
59. Athanasios Alitzanidis, Training in the operation of a biomass catalytic pyrolysis unit, Technological Educational Institute of Kavala, 2016
60. Savvas Xanthopoulos, Training in the operation of a biomass catalytic pyrolysis unit, Technological Educational Institute of Kavala, 2016
61. Stergios Botzouroglou, Training in the operation of a fluid catalytic cracking unit, Technological Educational Institute of Kavala, 2016
62. Panagiotis Nakos, Practice in the operation of pilot units for chemical processes, Technological Educational Institute of Kavala, 2016
63. Politimi Penopoulou, Training in the processes of biomass hydrothermal treatment, Technological Educational Institute of Kavala, 2016
64. Antonios Polychroniadis, Practice in the operation of pilot units for chemical processes, Technological Educational Institute of Kavala, 2016
65. Giorgos Terzis, Practice in the operation of pilot units for chemical processes, Technological Educational Institute of Kavala, 2016
66. Apostolos Elekidis, Practice in the operation of pilot units for chemical processes, Department of Chemical Engineering of AUTH, 2016

67. Charikleia Paravou, Training in fuel quality analysis, Department of Chemical Engineering of AUTH, 2016
68. Niki Pouliou, Training in fuel quality analysis, Department of Chemical Engineering of AUTH, 2016

C5. Student Notes

Teaching Notes for the course 'Primary Energy Sources' of the Chemical Engineering Department of AUTH, in cooperation with I.A. Vasalos and A.A. Lemonidou

C6. Participation in Postgraduate Program

Member of the Scientific Consultive Committee of the Postgraduate Program EPEAK 'Catalysis and Applications' of the National and Kapodistrian University of Athens
 Postgraduate Program: "Research and Exploitation of Hydrocarbons", Course of 3rd semester: Hydrocarbons Processing and Surface Facilities, Department of Geology, AUTH, 2016-2017

C7. Attendance of Seminars, Conferences - Postgraduate Training

1. "Fundamentals on Heterogeneous Catalysis. Reactor Modeling and Industrial Applications", Seminar of Chemical Process Engineering Research Institute, Thessaloniki 8-12 of June 1987
2. "Process", Training Seminar of the software Process for the simulation of chemical processes, Simulation Science Inc., Athens 1988
3. "Mathematical Modeling and Optimization", Continuing Education Course, AIChE Meeting, Washington D.C., November 26 - December 3, 1988
4. "Pinch Technology", Seminar of the Technical Chamber of Greece (TEE), Athens 1989
5. "Computers in Engineering Applications", Seminar of TEE, Thessaloniki 21/8-17/11 1989
6. "Aspen", Seminar of the software Aspen for the simulation of chemical processes, Chemical Process Engineering Research Institute, Thessaloniki 1990
7. "CHEMISTRY 90", Participation in the first international fair CHEMISTRY '90 , Piraeus Port Authority S.A. April 1990
8. "Organisation of Production and Business Administration", Seminar of TEE, Thessaloniki 8/8-2/11 1990
9. "Lubricants Technology. Applications of Lubrication", Seminar of the Scientific Training Center of the Panhellenic Union of Chemical Engineers, Thessaloniki 27-28 of February 1991
10. "Venturousness and Safety in an Industrial Environment (HAZOP)", Seminar of the Union of Chemical Engineers of Northern Greece in cooperation with the British Institute of Chemical Engineers, Thessaloniki 14-16 of December 1992
11. "Environmental Technology, HELECO '93", Participation in the International Fair and Attendance of the Conference organised by TEE in the SEF-Stadium 1-4 of April 1993
12. "Advanced Courses of Heterogeneous Catalysis", Training Seminar, Institute of Chemical Engineering & High Temperature Chemical Processes (ICE-HT), Patras 15-18 of November 1993
13. "Applied Hydrogenation Technology", Intensive Course from Center for Professional Advancement, Amsterdam 9-11 of May 1994
14. "Fluidization VIII", Tours France, 14-19 of May 1995

15. "Environmental Technology, HELECO '95", Participation in the International Fair and Attendance of the Conference organised by TEE in the SEF-Stadium 9-12 of November 1995
16. "Chemical Research and Industry", First Symposium of Institute of Physical Chemistry, National Center for Scientific Research DEMOKRITOS, Athens 3-5 of July 1996
17. "Time management", Three-day Seminar of ELKEPA (Greek Center of Productivity), 1996
18. Intensive course "Mathematical Modelling" ETH Zurich, 1998
19. AIChE Annual Meeting L.Angelos Nov. 2000
20. 2nd International Conference of the Chemical Societies of the South-Eastern European Countries on Chemical Sciences for Sustainable Development, Halkidiki Greece, June 2000.
21. Second Panhellenic Symposium of Catalysis, Delfi 2000
22. ACHEMASIA Exhibition and Congress org. by DECHEMA, Beijing China, May 7-12, 2001
23. Third Panhellenic Scientific Conference of Chemical Engineering, Athens May 2001
24. AKZO NOBEL FCC Technology Conference, The Netherlands 2001
25. European Refining Technology Conference, Madrid Nov, 2001
26. Grace Davison FCC Technology Conference 2002, Dublin, Ireland June 11-14, 2002
27. Fourth Panhellenic Scientific Conference of Chemical Engineering, Patras May 2003
28. Seventh Panhellenic Symposium of Catalysis, October 2002, Edessa
29. 17th International Symposium on Catalytic Reaction Engineering (ISCRE 17), Hong Kong, August 2002
30. "Communication skills", 3 days intensive course from Athens American Union, Athens 2002
31. "Catalyst deactivation" 2 days seminar from AKZO NOBEL, 2003
32. "Effective Project Management", 3 days intensive course from Center for Professional Advancement, July 2003
33. European Refining Technology Conference, London Nov, 2003
34. AKZO NOBEL FCC Technology Conference, Firenze Italy (SCOPE 2004) 2004
35. GRACE FCC Technology Conference, Seville Spain 2004
36. European Refining Technology Conference, Vienna Nov, 2005
37. 14th Biomass European Conference and Exhibition, Paris 2005
38. 237 ACS Annual Meeting, S.Francisco USA September 2006
39. Seminar organized by IFP: Conversion Processes of petroleum Products, Paris 2006
40. European Refining Technology Conference, Paris Nov, 2006
41. Grace FCC Technology Conference, Rome September 2007
42. Albemarle SCOPE 2007 Conference, Athens June 2007
43. European Refining Technology Conference, ERTC Barcelona November 2007
44. European Refining Technology Conference, ERTC Paris November 2008
45. European Refining Technology Conference, ERTC Berlin November 2009
46. European Refining Technology Conference, ERTC Istanbul November 2010
47. European Refining Technology Conference, ERTC Barcelona November 2011

D. SCIENTIFIC RECOGNITION

D1. Invited Talks

- "Pilot Plant Evaluation of FCCU Catalyst Technology – Use of Data for Commercial Catalyst Applications", 10th South American Catalytic Cracking and Hydroprocessing Congress, Rio de Janeiro - Brazil, 16-20 April, 2018
- "Advances in Biomass Catalytic Pyrolysis towards Production of Transportation Fuels and Chemicals", 48th Czech Symposium on Catalysis, Prague, Czech Republic, November 7-9 2016
- "Production of High Quality Bio-oil via Fast Biomass Pyrolysis Coupled with Ketonization", 20th Anniversary Celebration & Conference of the Aerosol & Particle Technology Laboratory, Thessaloniki, Greece, June 2-3 2016
- "The Biomass Catalytic Pyrolysis as a Technology Pathway to Produce a High Value Energy Carrier", Boosting Biofuels and Chemicals Production from the 2nd Generation Biomass, BioBoost Colloquium, Chemelot Campus, The Netherlands, June 5 2015
- "Technology Achievements in BIOBOOST, Workshop on improved bioenergy carriers of the EC-projects BIOBOOST and SECTOR, Brussels, Belgium, June 16-17 2015
- "Maximizing Propylene in a Fully Circulating FCC Pilot Plant Unit using Different Types of Feedstocks", ACI 2nd Maximizing Propylene Yields Conference, Frankfurt, Germany, December 9-10 2014
- "Advances in Biomass Catalytic Pyrolysis towards Production of Transportation Fuels", 13th Panhellenic Catalysis Conference, Palaio Agios Athanasios Pellas, 16-19 October 2014
- "Advances in Biomass Catalytic Pyrolysis towards Production of Transportation Fuels", 9th International Conference on Renewable Resources and Biorefineries, 5-7 June 2013, Antwerp, Belgium
- "Evaluation of FCCU Catalyst Technology. Comparison of Small-scale and Pilot-scale Testing", 7th Asia-Pacific Refining Technology Conference, Singapore, 24-26 April 2013
- "Advances in Lignin Upgrading by Catalytic Pyrolysis", AFORE Workshop, 8 April 2013, Vienna, Austria
- "Primary Product Upgrading Lignin to Chemicals and Materials: Pyrolysis", AFORE SEMINAR & Workshop, 28 February 2013, Helsinki, Finland
- "Production of 2nd Generation Transportation Biofuels from a Bio-refinery based on Biomass Catalytic Pyrolysis", 2nd Workshop Instituto IMDEA Energia Mostoles, 23-24 May 2013, Madrid
- "Catalytic Technologies for the Production of 2nd Generation Biofuels", 3rd International Workshop of Cost Action CM0903 (UBIOCHEM), Thessaloniki, Greece, 1-3 November 2012
- Grace Davison FCC Technology Conference: "Refinery Benefits from an External FCC Catalyst Testing Laboratory (CPERI). Pilot Plant Evaluation of FCCU Catalyst Technology", Munich September 6-9, 2011
- 40th IEA-AMF ExCo Workshop on Advanced Motor Fuels: "Status of advanced motor fuels in Greece", Thessaloniki, Greece 9 - 11 of November 2010
- Symposium on New Frontiers in Chemical & Biochemical Engineering: "Production of Bio-Gasoline using Waxes produced from a Biomass to Liquid (BtL) Process", Thessaloniki 26-27 of November, 2009
- Federal University of Rio De Janeiro Brazil, Catalytic Technologies for Non-Fossil Fuels, December 2009

- 1st BASF FCC Technology Conference: “CPERI: a state of the art Fluid catalytic Cracking Testing Facility”, Abu Dhabi, March 2009
- Conference of Technological Platform of Biofuels of Thessaly: “Production of Biofuels in Thessaly: Research and Application of Technology”, Meteora Trikala, 24 of October, 2009
- Workshop ENERGON for Viable energy in Thraki: Production of Biofuels of 2nd Generation in CPERI/CERTH”, November 24, 2007
- Technical University of Crete, Workshop on Valorisation and Thermal Treatment of Biomass and agricultural Wastes: “Biomass pyrolysis”, Thessaloniki November, 2006
- International Conference on Ecological Protection of the Planet Earth, Bio-Environment and Bio-Culture: “Emissions of Nitrogen Gases in Industrial Plants”, Istanbul Turkey, June 6 2005
- Daily meeting organised by Ecosity , ‘Diesel engine operation Solution or Dead end’, Thessaloniki 7 of March 2005
- Invited speaker of RENEW program. Speech: Upgrading Technologies of Biomass To Liquid (BTL) Heavy Product for the Synthesis of Transportation Fuels, August 2005
- SCOPE 2004 Conference: “Independent catalyst and additive testing by CPERI. Case studies: Evaluation FCC catalysts, NO_x & SO_x additive”, Florence June 2004
- University of Ioannina, Employment Prospectives of Chemists and Chemical Engineers December 2004
- AKZO NOBEL Deactivation Conference: “Deactivation and testing of NO_x Additives”, Amsterdam May 2003
- Invited speaker from EU Energy in the conference “BIOENERGY ENLARGED PROSPECTIVES”, Speech: Production of bio-oil via catalytic biomass pyrolysis”, Budapest, October 2003
- Conference of Postgraduate Program MBA of the Athens University of Economics and Business, ‘Automotion, Environment and Economy’, Thessaloniki Telloglio Foundation, 15 of April 2002
- Grace Davison FCC Technology Conference, “Refinery Benefits through a Virtual Catalyst Evaluation Laboratory”, Dublin, June, 2002
- Invited speaker from DECHEMA, regarding the Conference “European Catalysts meets China” which was organized within the framework of ACHEMASIA 2001. Speech: Tracking the performance of FCC catalysts from the laboratory to the commercial units”, Beijing China, May 7-12, 2001
- 1st Symposium of Institute of Physical Chemistry, National Center for Scientific Research Demokritos, Athens 3-5 of July 1996 A.A. Lappas “Chemical research and industry”

D2. Editor in Books

1. “The role of catalysis for the sustainable production of bio-fuels and bio-chemicals”
Editors: Kostas Triantafyllidis (AUTH), Angelos Lappas (CPERI/CERTH), Michael Stöcker (SINTEF)
Published by Elsevier in 2012
2. “Processes for the production and energy utilization of gas, liquid and solid bio-fuels”
Editors: Nikolaos Karnavos (Chairman of Panhellenic Union of Chemical Engineers/Department of Central and West Macedonia) Angelos Lappas (Research Director of CPERI/CERTH), Dr. George Marnellos (Assistant Prof. of University of West Macedonia)

D3. Editor in International Scientific Journals

Guest Editor of Scientific Journal Catalysis Today

D4. Organization of Conferences

- Seventh Panhellenic Symposium of Catalysis, October 2002, Edessa
- Eighth Panhellenic Symposium of Catalysis, Cyprus 2004
- NoE Inside Pores School and Workshop, Thessaloniki February 2007
- Second Panhellenic Conference of Biofuels, Plastira Lake of Karditsa, April 2007
- Ninth Panhellenic Conference of Chemical Engineering, Athens 2007
- International Conference “Hydrocarbon Catalysis and Catalytic Engineering: Present Status and Perspectives” Sifnos island, June 2007
- 11th Panhellenic Symposium of Catalysis, Athens 23-24 October 2010
- Post-satellite conference of 15th International Congress on Catalysis 2012, “Advances in catalysis for biomass valorization to fuels and chemicals”, Thessaloniki, 2012
- Organization of the workshop “Thermochemical lignocellulose conversion technologies”, May 18-20 2016, Porto Karras Chalkidiki, under the auspices of the European project CASCATBEL

D5. Referee in Scientific Journals

Applied Catalysis A and B

Journal of Analytical and Applied Pyrolysis

Catalysis Today Journal

Microporous and Mesoporous Materials

Ind.Eng.Chem.Res.Dev.

Fuel Journal

Energy and Fuel

Chemical Eng. Journal

Chem.Eng.Science, Chemical Engineering & Processing

Fuel Processing Technology

Biorespurse Technology

Waste and Biomass Valorization

Catalyst Communications

D6. Participation in committees

Member of the committee of the Foundation for Research and Technology – Hellas (FORTH) for the evaluation of studies considering the new power station in Atherinolakko of Lasithi

Member of the Union of Greek Laboratories HELLASLAB

Voted from the students as the best teacher of tutorial lessons in the Chemical Engineering Department of AUTH during the period 1993-1997

Responsible of participation / responsible of organization of the CPERI stand in the exhibitions CHEMISTRY 95, CHEMISTRY 98, HELECO 95, HELECO 99

Member of the Greek Association of Catalysis

Chairman of the Committee of Scientific lectures in CPERI/CERTH 2001-2002, 2005-2006

Member of the Committee of CERTH/Federation of Industries of Northern Greece (FING) (2006-2007)

Member of the Scientific Committee of the 11th Panhellenic Symposium of Catalysis, Athens 23-24 October 2010

Member of the Assessment Committee for the Progression of Witold Kwapinski, PhD, from Lecturer below the bar to Lecturer above the bar, University of Limerick, 2013

Member of the Assessment Committee for the Progression of G. Marnellos from Associate Professor to Professor, Department of Mechanical Engineering, University of Western Macedonia

Member of the Assessment Committee for the Progression of K. Triantafyllidis from Associate Professor to Professor, Department of Chemistry, AUTH

Member of the General Assembly of the Foundation “Hellenic Foundation for Research and Innovation (H.F.R.I.)”

Alternate Member of the Administrative Council of the Alexander Innovation Zone S.A. of Thessaloniki, 2017, 2018

Member of International Advisory Board of the Research Center UNICRE, Czech Republic, 2015, 2016, 2017, 2018

D7. Distinctions

Member of the CPERI team coordinating (Scientific Responsible/Coordinator Prof. I.A. Vasalos) the European project (GROWTH) «DENOX FOR THE REFINERY OF THE FUTURE (DENOXPRO)». Based on the project's results the Queens U. of Belfast (Prof. R. Burch) won the Institute of Chemical Engineers award for Excellence in Applied Catalysis. In this award the important contribution of CPERI is pointed out. At the same time the results of the specific project are candidate for the TEAMWORK IN INNOVATION AWARD from the ROYAL SOCIETY OF CHEMISTRY.