



**Anestis A. Filippidis, Professor of Mineralogy-Economic Geology, AUTH.**

### **Address**

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### **Academic Background**

1972: Gymnasium Studies, Firth Male Gymnasium of Thessaloniki, Hellas.  
 1974: Swedish Studies, University of Lund, Sweden.  
 1975: English Studies, The New School of English, Cambridge, UK.  
 1977: B.Sc. in Geology, University of Lund, Sweden.  
 1982: Ph.D. in Mineralogy-Petrology-Economic Geology, Department of Geology, University of Uppsala, Sweden. Ph.D.-thesis: Nickel partitioning in olivine and its decomposition products in serpentinized ultramafic rocks, Acta Universitatis Upsaliensis, 119p.  
 1982: Operator Licensee of Scanning Electron Microscope, University of Uppsala, Sweden.  
 1983: Pedagogic-Didactic Courses, University of Uppsala, Sweden.

### **Professional Employment**

1st Professor Assistant, Research Assistant, Assistant and Lecturer Teaching, Institute of Geology, University of Uppsala, Sweden, 2/1978-4/1985.  
 Consultant in Economic Geology, VLF-GEO SA, Uppsala, Sweden, 6/1982-4/1985.  
 Lecturer, School of Geology, Faculty of Sciences, Aristotle University, 5/1985-3/1988.  
 Assistant Professor, School of Geology, Faculty of Sciences, Aristotle University, 4/1988-8/1992.  
 Associate Professor, School of Geology, Faculty of Sciences, Aristotle University, 9/1992-11/1997.  
 Professor, School of Geology, Faculty of Sciences, Aristotle University, 12/1997-this day.

### **Administration**

Board member, Institute of Geology, University of Uppsala, Sweden, 11/1979-10/1982.  
 Board member, Department of Mineralogy-Petrology, University of Uppsala, Sweden, 11/1979-10/1981.  
 Chairman of the School of Geology, Faculty of Sciences, Aristotle University, 9/1997-8/1999 and 9/1999-8/2001.  
 Member of Aristotle University Official Council, 1/2000-12/2001.  
 Vice-Chairman of the Aristotle University Student Club, 10/2000-11/2001.  
 Dean of the Faculty of Sciences, Aristotle University, 9/2000-8/2003 and 9/2003-8/2006.  
 Board member of the Geological Society of Greece, 4/2002-4/2004.  
 Chairman of the Board of Directors of OPAP SA, Athens, 5/2004-3/2005.  
 Member of Aristotle University Senate, 9/1997-8/2006.  
 Head of Mineralogy-Petrology-Economic Geology Department, School of Geology, Faculty of Sciences, Aristotle University, 9/2007-8/2008, 1-12/2013.  
 Board member of the School of Geology, Faculty of Sciences, Aristotle University, 9/2007-8/2008.  
 Head of the Laboratory of Geochemistry, Mineralogy-Petrology-Economic Geology Department, School of Geology, Faculty of Sciences, Aristotle University, 7/2012-this day.

### **Member of Committees**

Computer Committee, Faculty of Sciences, University of Uppsala, Sweden, 7/1980-6/1981.  
 Scanning Electron Microscope Committee, Aristotle University of Thessaloniki, Greece, 3/1987-3/1990.  
 Organizing Committee, 2<sup>nd</sup> Hellenic-Bulgarian Symposium for the Rhodope massif, Thessaloniki, Greece, 1989.  
 Organizing Committee, 5<sup>th</sup> Congress of the Geological Society of Greece, Thessaloniki, Greece, 1990.  
 Editorial Advisory Board of *Geologica Rhodopica*, Volume 2, Thessaloniki, Greece, 1990.  
 Editorial Advisory Board of *Trends in Mineralogy* (serial publications/books of research trends), 10/1996-this day.  
 General Secretary of Organizing Committee, 7<sup>th</sup> Congress of the Geological Society of Greece, Thessaloniki, Greece, 1994.  
 Organizing Committee, International Symposium and Exhibition on Natural Zeolites, Sofia, Bulgaria, 1995.  
 International Committee on Natural Zeolites, 12/1995-5/2004.  
 Postgraduate Scholarships Evaluation Committee, Greek State Scholarships Foundation, Athens, Greece, 1998-2010.

Chairman of the Guard Committee, Aristotle University of Thessaloniki, Greece, 10/2000-10/2003.  
Chairman of the Educational Excursion Tenders Committee, Aristotle University Thessaloniki, Greece, 1/2002-12/2004.  
Economic Geology, Mineralogy and Geochemistry Committee of the Geological Society of Greece, 4/2002-4/2004.  
Vice-Chairman of Organizing Committee, 6<sup>th</sup> International Conference on the Occurrence, Properties and Utilization of Natural Zeolites, Thessaloniki, Greece, 2002.  
Building Committee, Aristotle University of Thessaloniki, Greece, 9/2002-8/2003.  
Evaluation Committee of Postgraduate Studies "Geosciences and Environment", University of Patras, Greece, 2003.  
Chairman of the Committee for Postgraduate Student Issues, Aristotle University of Thessaloniki, Greece, 4/2003-2/2004.  
Chairman of the Organizing Committee, 10<sup>th</sup> International Congress of the Geological Society of Greece, Thessaloniki, Greece, 2004.  
Editorial Board of the Bulletin of the Geological Society of Greece, Volume 36 (1-4), 2004.  
National Committee for Mineral Raw Materials, Associate member, Ministry of Environment, Energy and Climate Change, Athens, Greece, 4/2012-this day.

### **Referee in Scientific Journals**

Advanced Powder Technology.  
Bulletin of Environmental Contamination and Toxicology  
Bulletin of the Geological Society of Greece.  
Clays and Clay Minerals.  
Combustion Science and Technology.  
Desalination and Water Treatment.  
Environmental Science and Technology.  
Geologica Carpathica-Series Clays.  
Geosciences.  
Geotechnical Scientific Issues.  
Hellenic Journal of Geosciences.  
Hellenic Pedagogic Review.  
Journal of Agricultural Science.  
Journal of Chemistry.  
Journal of Geophysics and Engineering.  
Journal of Hazardous Materials.  
Journal of the Balkan Geophysical Society.  
Journal of Zhejiang University, China-Science A.  
Mineral Wealth.  
Mineralium Deposita.  
Science of the Total Environment.  
Scientific Annals, School of Geology, Aristotle University of Thessaloniki.

### **Evaluator of Scientific Proposals and Projects**

Aristotle University of Thessaloniki, Research Committee.  
Greek Ministry of Development, General Secretariat of Research and Technology.  
Greek State Scholarships Foundation, Post-doctoral Research.  
NATO, Scientific Affairs Division, Brussels.  
Prefecture of Thessaloniki.  
Swiss National Science Foundation.  
University of Patras, Research Committee.

### **Participation in Research Projects**

1. Mineral chemical equilibria of silicate-ore mineral paragenesis. Swedish Natural Science Research Council (NFR), Sweden, 9/1978-4/1985.
2. Experimental studies of intracrystalline equilibria and its Kinetics. Swedish Natural Science Research Council (NFR), Sweden, 9/1978-4/1985.
3. The VLF-method for water prospecting in Greece. Swedish Board for Technical Development (STU), VLF-GEO SA, Uppsala, Sweden, 6/1983-9/1984.
4. Geological problems of Rhodope Massif: Metallogenesis of Kirki Area. Ministry of Development, General Secretariat of Research and Technology, 4/1986-3/1988.
5. Investigation of the Zeolite deposits in Eastern Rhodope. Aristotle University and St. Kliment Ohridski University of Sofia (Bulgaria), Coordinator, 9/1986-8/1992.
6. Zeolites and fossil fuel deposits in the Rhodope massif. Aristotle University and St. Kliment Ohridski University of Sofia (Bulgaria), Coordinator, 9/1993-8/1998.

7. Adsorption properties of the zeolite-bearing rocks of Metaxades (Evros County). Ministry of Development, General Secretariat of Research and Technology, Coordinator, 5/1991-5/1993.
8. The potential use of Greek natural zeolites in poultry diet. Ministry of Ministry of Development, General Secretariat of Research and Technology, 9/1993-9/1995.
9. Environmental study of coals and combustion by-products. Ministry of Ministry of Development, General Secretariat of Research and Technology, 1/1994-1/1996.
10. Development of industrial and environmental uses of European natural zeolites. Subcontract: Testing the application of Greek natural zeolites in swine nutrition. EU, Brite Euram II, 10/1995-10/1998.
11. Application of radiochemical and accelerator-based analytical techniques: Interaction of heavy metals (present in industrial and nuclear waste repositories) with geologic materials. International Atomic Energy Agency, 12/1995-12/1998.
12. Feasibility study using Greek and Slovakian natural and synthetic microporous materials for processing of industrial and radioactive wastes. Ministry of Development, General Secretariat of Research and Technology, 5/1996-5/1998.
13. Study of new forms of metaloxides: Their role in the catalytic activation of small molecules. Ministry of Development, General Secretariat of Research and Technology, 5/1996-5/1998.
14. Application of space technology to environmental aspects of surface mining: A surface mining decision support system. EU, Environment and Climate, 11/1996-11/1999.
15. Geotectonic and petrological-geochemical investigation of the St. Panteleimonas (Florina) carbonate rocks. Dimou SA, 11/1996-11/1997.
16. Environmental study of coals and combustion by-products. Ministry of Development, General Secretariat of Research and Technology, 3/1997-3/1999.
17. Research on the influence of zeolitic material to the poultries meat production. Region of Eastern Macedonia-Thrace, Coordinator, 11/1998-11/1999.
18. The distribution of trace elements in the Kozani-Ptolemais-Aminteo lignite basin and their environmental significance. Prefecture of Kozani, 11/1998-10/2000.
19. Classification of clinoptilolite (zeolite group). Postdoctoral research, Greek State Scholarships Foundation, Coordinator, 1-12/1999.
20. Evaluation and utilization of the Greek Mineral Wealth. Ministry of Development, General Secretariat of Research and Technology, Coordinator, 1/1999-7/2000.
21. Mineralogical study of Chalkidiki ore deposits. TVX Hellas SA, Coordinator, 12/1999-3/2000.
22. Evaluation and utilization of the Greek Mineral Wealth, with emphasis to the zeolitic rocks. Ministry of Development, General Secretariat of Research and Technology, Coordinator, 4/2003-4/2005.
23. Adsorption capacity of the industrial minerals and rocks of Milos island. Postdoctoral research, Greek State Scholarships Foundation, Coordinator, 11/2003-10/2004.
24. A regional enterprise network decision-support system for environmental risk and disaster management of large-scale industrial spills. European Union, Energy, Environment and Sustainable Development, Coordinator, 2/2004-4/2007.
25. The effect of the incorporation of one Greek natural zeolite in the ration and the litter on the quality of micro-environment and the performance of broiler chickens. Ministry of Education, 4/2004-6/2005.
26. Determination of mineralogical and physicochemical characteristics of zeolite-rich rocks from Evros Prefecture. GEO-VET N. Alexandridis & Co OE, Coordinator, 1/2007-1/2008.
27. Sorption ability of the Hellenic Natural Zeolite. GEO-VET N. Alexandridis & Co OE, Coordinator, 1/2008-1/2010.
28. Sorption ability of zeolitic rocks from Samos Island and their potential uses. Postdoctoral research, Greek State Scholarships Foundation, Coordinator, 2/2008-1/2009.
29. Environmental, industrial, agricultural and aquacultural applications of natural zeolites. GEO-VET N. Alexandridis & Co OE, Coordinator, 2/2010-this day.
30. The presence of fibrous minerals in the volcanoclastic tuffs of Macedonia and Thrace. Research Committee of Aristotle University of Thessaloniki, Coordinator, 2/2013-2/2014.

#### **Participation in Congresses**

1. An International Symposium on Metallogeny of Mafic and Ultramafic Complexes, IGCP169, Athens, Greece, 9-11/10/1980.
2. Annual Meeting, Mineralogical Society of Sweden, Uppsala, Sweden, 9/12/1982.
3. Annual Meeting, Geological Society of Sweden, Uppsala, Sweden, 5-6/05/1983.
4. International Geological Colaboration Program for the Metallogeny of Ophiolites (IGCP 197), Athens, Greece, 25-26/06/1986.
5. Scientific Meeting of the Geological Society of Greece, Thessaloniki, Greece, 28/05/1987.
6. 1<sup>st</sup> Bulgarian-Greek Symposium for the Rhodope Massif, Smolyan, Bulgaria, 16-19/09/1987.
7. Scientific Meeting for the Water Resources of Chalkidiki Prefecture, Gerakini, Greece, 6/05/1988.
8. 4<sup>th</sup> Congress of the Geological Society of Greece, Athens, Greece, 25-27/05/1988.
9. 1<sup>st</sup> Symposium on New Developments in Seismology and Geophysics in Greece, Thessaloniki, Greece, 1-3/07/1988.
10. XIV Congress of the Carpatho-Balkan Geological Association, Sofia, Bulgaria, 20-23/09/1989.

11. 2<sup>nd</sup> Hellenic-Bulgarian Symposium for the Rhodope Massif, Thessaloniki, Greece, 14-17/10/1989.
12. 5<sup>th</sup> Congress of the Geological Society of Greece, Thessaloniki, Greece, 24-27/05/1990.
13. 1<sup>st</sup> Congress "Geosciences and Environment", Patras, Greece, 15-18/04/1991.
14. 29<sup>th</sup> International Geological Congress, Kyoto, Japan, 24/08-3/09/1992.
15. Scientific Meeting "Lignite and Energy Balance", Kozani, Greece, 2-3/10/1992.
16. Second Biennial SGA Meeting, Society for Geology Applied to Mineral Deposits (SGA), Granada, Spain, 9-11/09/1993.
17. 45<sup>th</sup> Annual Meeting of the International Commission of Coal and Organic Petrology, Chania, Crete, Greece, 26/09-2/10/1993.
18. 7<sup>th</sup> Congress of the Geological Society of Greece, Thessaloniki, Greece, 25-27/05/1994.
19. 15<sup>th</sup> Panhellenic Chemistry Congress, Thessaloniki, Greece, 6-10/12/1994.
20. Scientific Meeting "Mineralogy and Geochemistry: Their Contribution to the Environmental Protection", Thessaloniki, Greece, 20/02/1995.
21. International Symposium and Exhibition on Natural Zeolites, Sofia, Bulgaria, 18-25/06/1995.
22. 8<sup>th</sup> International Conference on Coal Science, Oviedo, Spain, 10-15/09/1995.
23. Third International Conference on Environmental Pollution, Thessaloniki, Greece, 16-20/09/1996.
24. European Seminar on Coal Fly Ash: A Secondary Raw Material, Marseilles, France, 18/04/1997.
25. Scientific Meeting "Use of Fly Ash in Constructions", Kozani, Greece, 3-4/10/1997.
26. 4<sup>th</sup> Hydrogeological Congress, Thessaloniki, Greece, 14-16/11/1997.
27. 8<sup>th</sup> International Congress of the Geological Society of Greece, Patras, Greece, 27-29/05/1998.
28. Scientific Meeting "Geoenvironment and Water Resources of Northeastern Aegean", Kalymnos, Greece, 12-14/06/1998 (Invited).
29. Fourth International Conference on Environmental Pollution: Toxic Metals, Thessaloniki, Greece, 1/09/1998.
30. 1<sup>st</sup> Congress of Thassos Development Perspectives, Prinos, Greece, 4-6/09/1998 (Invited).
31. General Scientific Meeting of the Geological Society of Greece, Athens, Greece, 8/03/1999.
32. Meeting "Development of Lignite mines in Florina basin", Florina, Greece, 27/03/1999 (Invited).
33. Meeting "Radioactivity and Atmospheric Pollution", Florina, Greece, 8/05/1999 (Invited).
34. International Symposium on Protected Natural Areas and Environmental Education, Sigri, Lesvos, Greece, 24-26/09/1999.
35. General Scientific Meeting of the Geological Society of Greece, Athens, Greece, 22/10/1999.
36. Scientific Meeting "Facing Seismic Disasters", Thessaloniki, Greece, 3-4/12/1999.
37. International Workshop on Space Technology and Environmental Aspects of Surface Mining, Athens, Greece, 7/01/2000.
38. 1<sup>st</sup> Congress of the Economic Geology, Mineralogy and Geochemistry Committee of the Geological Society of Greece, Kozani, Greece, 12-13/02/2000.
39. 2<sup>nd</sup> Panhellenic Congress "The Greek Marble", Thessaloniki, Greece, 18/02/2000.
40. Scientific Meeting "Shielding of Thessaloniki City to Natural Disasters", Thessaloniki, Greece, 24/02/2000.
41. Fifth International Conference on Environmental Pollution, Thessaloniki, Greece, 28/08-1/09/2000.
42. 1<sup>st</sup> Panhellenic Congress "Linking Higher and Secondary Education", Thessaloniki, Greece, 30/03-1/04/2001.
43. Scientific Meeting "The Greek Marble", Thessaloniki, Greece, 1/04/2001.
44. Scientific Meeting "The Geotechnologist in the next twenty-years", Athens, Greece, 16-18/05/2001 (Invited).
45. International Conference on New Developments in Research and Innovative Products, Thessaloniki, Greece, 23/06/2001.
46. 9<sup>th</sup> International Congress of the Geological Society of Greece, Athens, Greece, 26-28/09/2001.
47. Scientific Meeting "Overall Upgrading of the Greek Education", National Technical University, Athens, Greece, 10/04/2002 (Invited).
48. Scientific Meeting "The Strymonikos Gulf, Volvi and Koronia", Asprovalta, Greece, 14/04/2002 (Invited).
49. Scientific Meeting "Macedonia-Thrace's Modern Hydraulic Projects", Thessaloniki, Greece, 29/05/2002.
50. 6<sup>th</sup> International Conference on Occurrence, Properties and Utilization of Natural Zeolites, Thessaloniki, Greece, 3-7/06/2002.
51. Scientific Meeting "Development, Environment, Local Societies: The case of mining industry", Thessaloniki, Greece, 29/06/2002.
52. THERMA, 1<sup>st</sup> Panhellenic Congress on Thermal Analysis, Thessaloniki, Kerkini Lake, Greece, 27-29/09/2002.
53. 6<sup>th</sup> Pan-Hellenic Geographical Conference, Thessaloniki, Greece, 3-6/10/2002.
54. 12<sup>th</sup> Seminar on Environmental Protection, Thessaloniki, Greece, 2-5/12/2002.
55. International Congress "Food Quality and Safety", Thessaloniki, Greece, 28/01/2003.
56. Symposium "Food Inspection", Union of Greek Chemists, Thessaloniki, Greece, 15-16/02/2003.
57. Scientific Meeting "Inert Rocks and Ornamental Stones", Thessaloniki, Greece, 11/04/2003.
58. International Workshop on Social, Economic and Environmental Impacts of Chemistry and Geology, Thessaloniki, Greece, 14-15/04/2003 (Invited).
59. Scientific Meeting "Mining Heritage of Chalkidiki Prefecture", Thessaloniki, Greece, 22/05/2003.

60. 2<sup>nd</sup> Panhellenic Congress "Linking Higher and Secondary Education", Thessaloniki, Greece, 28-30/11/2003.
61. 10<sup>th</sup> International Congress of the Geological Society of Greece, Thessaloniki, Greece, 15-17/04/2004.
62. 7<sup>th</sup> Mediterranean Conference on Calorimetry and Thermal Analysis, Thessaloniki, Greece, 2-6/07/2005.
63. Scientific Meeting of the Geological Society of Greece, Samothraki, Greece, 2-3/09/2005.
64. 7<sup>th</sup> Hellenic Hydrogeological Conference, Athens, Greece, 4-6/10/2005.
65. 2<sup>nd</sup> Congress of the Economic Geology, Mineralogy and Geochemistry Committee of the Geological Society of Greece, Thessaloniki, Greece, 7-9/10/2005.
66. AQUA, International Conference on New Water Culture of South-East European Countries, Athens, Greece, 21-23/10/2005.
67. 13<sup>th</sup> Seminar on Environmental Protection, Thessaloniki, Greece, 28/11-1/12/2005.
68. Scientific Meeting "Management of chemical products, REACH regulation", Thessaloniki, Greece, 8/03/2006.
69. 2<sup>nd</sup> Congress of Aristotle University Environment Council, Thessaloniki, Greece, 1-4/06/2006.
70. 11<sup>th</sup> International Conference of the Geological Society of Greece, Athens, Greece, 24-26/05/2007.
71. Scientific Meeting "Abilities for Development in Northern Evros", Petrola, Evros, Greece, 4/08/2007 (Invited).
72. 3<sup>rd</sup> Panhellenic Symposium on Porous Materials, Thessaloniki, Greece, 1-2/11/2007.
73. Jean Monnet Congress "Sustainable Development in Europe", Veria, Greece, 30/11-1/12/2007.
74. 3<sup>rd</sup> Environmental Congress of Macedonia, Thessaloniki, Greece, 14-17/03/2008.
75. 26<sup>th</sup> European Conference on Health Implications of Environmental Contamination, Athens, Greece, 31/03-2/04/2008.
76. Second International Conference on Small and Decentralized Water and Wastewater Treatment Plants, Skiathos, Greece, 2-4/05/2008.
77. 2<sup>nd</sup> Panhellenic Geology Students Congress, Athens, Greece, 3-5/06/2008 (Invited).
78. 1<sup>st</sup> International Conference on Hazardous Waste Management, Chania, Crete, Greece, 1-3/10/2008.
79. 8<sup>th</sup> International Hydrogeological Congress of Greece, Athens, Greece, 7-10/10/2008.
80. Scientific Meeting "The Geosciences in the Society's Service", Kozani, Greece, 9-10/10/2008 (Invited).
81. AQUA, 3<sup>rd</sup> International Conference on Water Science and Technology with emphasis on water and climate, Athens, Greece, 16-19/10/2008.
82. Scientific Meeting "The Kastoria Lake and environmental friendly agricultural methods", Mavrochori, Kastoria, Greece, 23/11/2008 (Invited).
83. Congress on Integrated Management of Water Resources in Climatic Change Conditions, Volos, Greece, 27-30/05/2009.
84. 3<sup>rd</sup> AMIREG International Conference on Assessing the Footprint of Resource Utilization and Hazardous Waste Management, Athens, Greece, 7-9/09/2009.
85. XIX Congress of the Carpathian-Balkan Geological Association, Thessaloniki, Greece, 23-26/09/2010.
86. 4<sup>th</sup> Environmental Conference of Macedonia, Thessaloniki, Greece, 18-20/03/2011.
87. Scientific Meeting "Multidynamic cultivations, the ippophaes case". Institute of Regional Development of Western Macedonia, Eani, Kozani, Greece, 10/04/2011 (Invited).
88. Congress on Utilization perspectives of mineral resources of Macedonia-Thrace. District of Macedonia-Thrace, Drama, Greece, 24/05/2011 (Invited).
89. Congress on Goji berry and its cultivation. Institute of Regional Development of Western Macedonia, Siatista, Kozani, Greece, 20/05/2012 (Invited).
90. International Conference on Protection and Restoration of the Environment XI, Thessaloniki, Greece, 3-6/07/2012.
91. Congress on Goji berry and its cultivation. Institute of Regional Development of Western Macedonia, Alexandreia, Imathia, Greece, 4/11/2012 (Invited).
92. Congress on Memorandum – Economy and Development of North Evros, Didimoticho, Evros, Greece, 18/11/2012 (Invited).

### **Organizational Memberships**

Geological Society of Greece.  
 Geological Society of Sweden.  
 Geotechnical Chamber of Greece.  
 Mineralogical Association of Canada.  
 Mineralogical Society of America, USA.  
 Mineralogical Society of Sweden.  
 International Committee on Natural Zeolites.  
 International Natural Zeolite Association.  
 International Zeolite Association.  
 Society for Geology Applied to Mineral Deposits.  
 Scientific Society of the Mineral Wealth Technologists.  
 The Society of Economic Geologists.  
 Working Group on Mediterranean Ophiolites.

**Teaching Experience**

Undergraduate Studies, Institute of Geology, Faculty of Sciences, University of Uppsala, Sweden (9/1978-4/1985).

Labs of Macroscopic Identification of Minerals and Rocks, 1<sup>st</sup> Semester.

Field Exercises, 1<sup>st</sup> Semester.

Labs in Polarize and Ore Microscopy, 4<sup>th</sup> Semester.

General Geology, 1<sup>st</sup> Semester.

Supervisor in Diploma-theses.

Undergraduate Studies, School of Geology, Faculty of Sciences, Aristotle University of Thessaloniki (9/1985-this day).

Laboratory Methods on Studying Minerals and Rocks, 3<sup>rd</sup> Semester.

Metallic Mineral Deposits, 6<sup>th</sup> Semester.

Applied Geochemistry, 6<sup>th</sup> Semester.

Labs in Ore Microscopy, 5<sup>th</sup> and 6<sup>th</sup> Semester.

Field Exercises, 6<sup>th</sup> and 8<sup>th</sup> Semester.

Environmental Geology, 8<sup>th</sup> Semester.

Applied-Environmental Geochemistry, 6<sup>th</sup> Semester.

Petroleum Geology, 7<sup>th</sup> Semester.

Coal Geology, 8<sup>th</sup> Semester.

Supervisor in Diploma-theses.

Undergraduate Studies, School of Chemistry, Faculty of Sciences, Aristotle University of Thessaloniki (9/2007-this day).

Geochemistry, 7<sup>th</sup>-8<sup>th</sup> Semester.

Mineralogy, 7<sup>th</sup>-8<sup>th</sup> Semester.

Geology-Geochemistry, 4<sup>th</sup> Semester.

Post-graduate Studies "Mineral Resources-Environment", School of Geology, Faculty of Sciences, Aristotle University of Thessaloniki (9/1996-this day).

Methods for Exploring and Locating Mineral Raw Materials, 1<sup>st</sup> Semester.

Laboratory-Analytical Methods, 1<sup>st</sup> Semester.

Advanced Economic Geology, 2<sup>nd</sup> Semester.

Mineral Raw Materials and Environment, 1<sup>st</sup> Semester.

Environmental Reports, 2<sup>nd</sup> Semester.

Fossil Fuels, 2<sup>nd</sup> Semester.

Environmental Geochemistry, 2<sup>nd</sup> Semester.

Member of Three-member Advisory Committee of M.Sc.-theses.

Supervisor of M.Sc.-theses.

Participation in Three-member Advisory Committee of Ph.D.-theses.

Supervisor of Ph.D.-theses.

Department of Mineral Resources Engineering, Technical University of Crete, Chania (9/2005-this day).

Participation in Three-member Advisory Committee of Ph.D.-theses.

**Lectures-Speeches**

1. The mineral phases of the system Fe-Ni-S-O and the olivine hydration, an experimental study. Mineralogical Society of Sweden, Uppsala, Sweden, 9/12/1982.
2. The awaruite formation in ultramafic rocks. Institute of Geology, University of Uppsala, Uppsala, Sweden, 9/02/1984.
3. Geological, geophysical and geochemical methods for mineral exploration. School of Chemistry, University of Ioannina, Ioannina, Greece, 11/01/1985.
4. Paragenesis of metallic minerals in ultrabasic rocks: experimental study. School of Geology, Faculty of Sciences, Aristotle University, Thessaloniki, Greece, 20/02/1986.
5. Experimental study of Zn and Fe distribution into the willemite, important mineral of Zn ores. School of Geology, Faculty of Sciences, Aristotle University, Thessaloniki, Greece, 20/11/1986.
6. Mineralogy, chemistry, morphology of laboratory combustion ash at 1000°C and fly ash of Ptolemais lignite: Exploitation and environment. Technical Chamber of Western Macedonia, Kozani, Greece, 2/10/1992.
7. Industrial and environmental applications of zeolites. The British Council, Thessaloniki, Greece, 29/03/1993.
8. Zeolites: Economic geology researches in Greece, industrial and environmental applications. Technological Educational Institute, Kozani, Greece, 11/11/1993.

9. Hydrogeology and employment. Hydrogeology Committee of the Geological Society of Greece, Thessaloniki, Greece, 15/11/1997.
10. Desalination of brackish water. DEYAKalymnos, Kalymnos, Greece, 12/06/1998.
11. Economic geology and rehabilitation of lignite mines. Labour Union of Public Power Corporation, Florina, Greece, 703/1999.
12. The radioactive (U,Th) and all-important (As,B,Cd,Hg,Mo,Pb,Se) elements in the lignites and fly ashes of Kozani-Florina Prefectures. Ecological Movement, Florina, Greece, 8/05/1999.
13. Education and professional issues concerning geology bachelors. Geotechnical Chamber of Greece, Athens, Greece, 17/05/2001.
14. Mineral resources and environment. Universal environment day, Environmental Council of Aristotle University, Thessaloniki, Greece, 5/06/2001.
15. Proposals for textural improvement of the Hellenic Education System. Hellenic Polytechnic Association, Technical University, Athens, Greece, 10/04/2002.
16. Hellenic Natural Zeolites: Improvement of wastewaters and protection of aqua systems. Municipality of St. Georgios, Asprovalta, Greece, 14/04/2002.
17. Exploitation and utilization potential of Greek natural zeolites. 6<sup>th</sup> International Conference on the Occurrence, Properties and Utilization of Natural Zeolites, Thessaloniki, Greece, Invited speaker, Thessaloniki, Greece, 3/06/2002.
18. Thalassa (sea), the cradle of the Hellenic culture. Panegyric speech at the opening ceremony of Sea Week 2002, Thessaloniki, Greece, 1/07/2002.
19. The genocide of Pontier's Hellenism 1914-1923. Pontier's Association of Menemeni, Thessaloniki, Greece, 22/05/2005.
20. The importance of zeolite humans health and feeding. The Western Thessaloniki Rotary Club, Thessaloniki, Greece, 11/09/2006.
21. Lignite, energy and environment at Florina Prefecture. European Union INTERREG project, Florina, Greece, 30/09/2006.
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### **10. Patents**

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### **Synopsis of Publications**

PhD-thesis and Text Books	13
Feasibility Studies	34
Field Guides and Articles	6
Research Reports	15
Abstracts and Extended Abstracts	45
Hellenic Congress Proceedings and Special Volumes	44
International Congress Proceedings and Special Volumes	42
Hellenic Journals	27
International Journals	79
Patents	5
<b>Total</b>	<b>310</b>
5-Year Impact Factor (69 papers): Range = 0.231 – 5.477, Average = 1.709, Total sum = 117.898 Total h-index (excluded self citations of all authors) = 20, Cited documents = 178, Total citations = 1351	

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