

Short CV – Prof. Konstantinos Komnitsas

1. GENERAL INFORMATION

DATE	May 2015
NAME	Konstantinos Komnitsas
OCCUPATION	Dr. Metallurgical Engineer (PhD in Hydrometallurgy) Professor, School Mineral Resources Engineering Technical University Crete, Greece
HOME ADDRESS	161, March 25 th str, PO Box 1014 73142 Kounoupidiana Chania, Crete, Greece tel: +30-28210-49098
WORK ADDRESS	Technical University Crete School Mineral Resources Engineering 73100 Akrotiri Chania, Crete, Greece tel: +30-28210-37686 fax: +30-28210-69554 Email: komni@mred.tuc.gr Webpage: http://www.mred.tuc.gr/4250.html
NATIONALITY	Greek
DATE – BIRTH PLACE	March 18, 1961, Larissa, Greece
MARITAL STATUS	Married, 2 children
LANGUAGES	Greek (Mother tongue) English (Fluent) German (Good)
MEMBERSHIP	<ol style="list-style-type: none">1. Technical Chamber of Greece2. Greek Society of Mining and Metallurgical Engineers3. Greek Society of Mineral Wealth Scientists4. "Alexander S. Onassis" Foundation Scholars5. National Technical University (NTUA) Graduates Union6. ASTM Member (Environmental Forensics)7. EWRA Member (European Water Resources Association)8. GWA (Greek Water Association)9. University Network Biomet (Fate and Transport of Biocolloids in Environmental Systems)

2. EDUCATION

1988-1990:	Post Doctoral Research , University of Wales, Cardiff School of Engineering, Division of Materials and Minerals, U.K, with an EC grant
1984-1988:	PhD , Laboratory of Metallurgy, School of Mining and Metallurgical Engineering, National Technical University of Athens (NTUA)
1978-1983:	Diploma in Engineering School of Mining and Metallurgical Engineering, National Technical University of Athens
1973-1978:	Secondary School , Agia, Larissa, Greece

3. ACADEMIC CAREER DEVELOPMENT

10 Apr. '08 -	Technical University Crete , School Mineral Resources Engineering, Professor
01 Oct. '07 -	Greek Open University , Professor, Postgraduate Program "Waste Management"
12 Feb. '03 – 10 Apr. '08	Technical University Crete , School Mineral Resources Engineering, Assoc. Professor

- Jan '93 – 11 Feb. '03: **NTUA**, School of Mining and Metallurgical Engineering, Senior Research Scientist
- July - Dec. '90: **Research Associate**, University of Wales, Cardiff School of Engineering, Division of Materials and Minerals, U.K
- Dec.'88 - May '90: **Post Doctoral Research Fellow**, University of Wales, Cardiff School of Engineering, Division of Materials and Minerals, U.K (European Commission Grant)

4. ACTIVITIES

Grants - Distinctions

1. July 2014. Member of CASE (Council of Asian Science Editors), Korea
2. Sep. 2013 - . Expert (European Commission) for the roadmap of metallurgy for Europe, Horizon 2020
3. Sep. 2013 - : National expert for the action Societal Challenge 'Climate action, environment, resource efficiency and raw materials', Horizon 2020
4. Nov. 2009. The Laboratory of "Management of Mining/Metallurgical Wastes and Rehabilitation of Contaminated Soils" was selected with fifteen other European laboratories by the European standardisation committé CEN in the line of inter-laboratory evaluation, for the determination of neutralization potential of mining wastes as part of the implementation of the Directive on the management of wastes from the extractive industries, based on the validation of preliminary standard prEN 15875 (<http://www.cen.eu/cenorm/homepage.htm>)
5. Oct. 2006 – Jan. 2009. National Representative FP7 (2006-2013) for International Cooperation
6. Sep. 2003. "Alexander S. Onassis Foundation", 18 month research grant
7. Nov. 2002 – Oct. 2004. National Representative for the Horizontal Action "Integrating and Strengthening the European Research Area (FP6)
8. Jan. 2002 – Mar. 2003. National representative for the definition of financial rules of participants (model contracts) in FP6
9. Sep. 2003: Alexander S. Onassis Foundation. Grant for implementation of research project after a competitive call
10. 3 May 2002: Abdi Ipekci prize as Editor-in-Chief of the *European Journal of Mineral Processing and Environmental Protection*
11. 01/12/88 - 31/05/90: European Commission (Directorate Biology - Division Biotechnology). Research grant. Research was carried out at Cardiff School of Engineering
12. 1984-1986: "Alexander S. Onassis Foundation", Grant for PhD studies

Editor – Member of journal Editorial Boards

1. Member of the Editorial Board of the journal *Information Processing in Agriculture* (Elsevier), <http://www.elsevier.com/journals/information-processing-in-agriculture/2214-3173>, (since 08/2013)
2. Member of the Editorial Board of the journal *Environmental Forensics* (Taylor and Francis), <http://www.environmentalforensics.org/journal.htm>, (since 01/2005)
3. Member of the Editorial Board of the journal *Minerals Engineering* (Elsevier), <http://www.elsevier.nl/locate/issn/08926875> (since 04/2000)

Evaluator of Research Proposals

1. May 2015. ERA.NET RUS Plus, 3 proposals (remote)
2. Apr. 2015. 3 proposals National Centre for Research and Development (NCRD) Poland (remote)
3. Feb. 2015. 2 proposals M-ERA.NET (remote)
4. Feb. 2015. 9 proposals H2020 SPIRE Call 2015_Topic 6, (Appointment letter CT-EX2002B000337-121), remote and Brussels
5. Feb. 2015. Rustaveli Foundation, Georgia, 2 προτάσεις (remote)
6. Dec. 2014. ERA.NET RUS Plus, 3 προτάσεις (remote)
7. Dec. 2014. MIUR (Italian Ministry for Education, University and Research), 1 proposal, remote
8. Nov. 2014. 1 post-doc research proposal, University of Insubria, Italy, remote
9. Nov. 2014. 10 proposals, National Centre of Research and Technology, Kazakhstan, remote
10. Nov. 2014. 2 proposals, Ministry of Research, Montenegro, remote

11. Oct. 2014. 2 proposals (environment), National Centre for Research and Development, Poland, remote
12. Aug. 2014. 1 proposal (environment), Bulgarian Science Fund, remote
13. Apr. 2014. 6 proposals in materials / metallurgy for National Centre for Research and Development, Poland, remote
14. Mar. 2014. M-ERA.NET, 4 proposals in materials, remote
15. Mar. 2014. Romanian Executive Agency for Higher Education, Research, Development and Innovation Funding (www.uefiscdi.gov.ro), 6 environmental proposals, remote
16. Jan. 2014. 2 proposals, Montenegro Ministry of Research, remote
17. Nov. 2013. 7 proposals, Ministry of Education and Science, Russian Federation, remote
18. Oct. 2013. 1 proposal, National Commission for Scientific and Technological Research (CONICYT), Chile, remote
19. Sep. 2013. 2 proposals, Shota Rustaveli National Science Foundation's (SRNSF), Georgia, remote
20. Aug. 2013. 7 bilateral Greek-German proposals in the field of energy, GSRT, remote
21. July 2013. Technical review of a finished FP7 Collaborative project, (Appointment letter CT-EX2002B000337-120), remote
22. May 2013. 3 proposals M-ERA.NET 2012 Call (remote)
23. Apr. 2013. 6 proposals FP7-ENV2013, 6.3.2 (Eco-innovative demonstration projects) 2nd stage, (Appointment letter CT-EX2002B000337-119), remote and Brussels
24. Mar. 2013. 5 proposals in environment/materials for reintegrating scientists, Ministry of Education and Science, Russian Federation
25. Feb. 2013. 6 proposals in materials/metallurgy for the National Centre for Research and Development, Poland
26. Jan. 2013. Technical review of an ongoing FP7 Collaborative project, Appointment letter CT-EX2002B000337-118
27. Nov. 2012. 10 proposals FP7-ENV2013, 6.3.2 (Eco-innovative demonstration projects) one and 2 stage, Appointment letter CT-EX2002B000337-117
28. Oct. 2012. Portugese Center of Research and Technology (FCT), remote
29. July 2012. National Centre of Research and Technology of Kazakhstan (remote)
30. July 2012. Bilateral proposals Greece-Slovak Republic (remote)
31. 11-15 June 2012. European Commission, Stage 2 proposal evaluation, call "NMP.2012.1.2-1 Nanotechnology solutions for in-situ soil and groundwater remediation", Appointment letter CT-EX2002B000337-116
32. 11 Feb. 2012. Basic research proposals, National Technical University of Athens
33. 1-4 Feb. 2012. Greek Ministry of Education, GSRT, Support of new SMEs in RTD activities
34. 24/11-8/12/11. European Commission, 10 proposals, stage 1 proposal evaluation, "NMP.2012.1.2-1 Nanotechnology solutions for in-situ soil and groundwater remediation", Appointment letter CT-EX2002B000337-115 (remote)
35. Sep. 2011. Science Foundation of Georgia (remote)
36. Sep. 2011. European Commission, Appointment letters CT-EX2002B000337-113 and 114
37. July 2011. Ministry of Education and Science, Russian Federation, proposals for reintegration of Russian scientists
38. 18-20 July 2011. Greek Ministry of Education, GSRT, 36 proposals for supporting research and innovation in SMEs
39. July 2011. Research proposals in materials, Czech Science Foundation (remote)
40. Nov. 2010. Research proposals, National Science Foundation, Arlington, VA, USA (remote)
41. Oct. 2010. Research proposals, Ministry of Education and Science, Russian Federation (remote)
42. Oct. 2010. Research proposals, Ministry of Science and Technological Development, Serbia (remote)
43. 25 Sep. 2010. Basic research proposals, National Technical University Athens
44. 1-3 Sep. 2010. Innovation proposals (32), General Secretariat of Research and Technology, Athens
45. July 2010. Basic research proposal, Czech Science Foundation (remote)
46. 23 Apr. 2010. Heraklitus proposals, Greek Ministry of Education, Athens
47. Mar. 2010. Materials research proposals (1) for the Cyprus Research Promotion Foundation (remote)
48. Mar. 2010. Cooperation proposals (3), General Secretariat of Research and Technology, Athens

49. 3 Feb. 2010. Student training proposals (3), Greek Ministry of Education, Athens
50. Nov. 2009. Environmental research proposals (2) for the Cyprus Research Promotion Foundation
51. 21-23 Sep. 2009 and 5 Jan. 2010. 31 Heraklitus proposals, Greek Ministry of Education, Athens
52. 8 May. 2009. Independent Expert of an ongoing FP6 IP, NMP3-CT-2005-011783 (Appointment Letter CT-EX2002B000337-111)
53. 3 Mar. 2009. Independent Expert of an ongoing FP6 IP, NMP3-CT-2004-500253 (Appointment Letter CT-EX2002B000337-110)
54. 30 June 2008. Environmental research proposals (2) for the Cyprus Research Promotion Foundation, Athens
55. 7 June 2008. Basic research proposals, National Technical University Athens, Greece
56. 6 Mar. 2008. Independent expert of an ongoing FP6 IP, NMP3-CT-2005-011783 (Appointment Letter CT-EX2002B000337-109)
57. 13 Sep. 2007. Environmental research proposals for the Cyprus Research Promotion Foundation, Athens
58. 7 July 2007. Basic research proposals, National Technical University Athens, Greece
59. Apr. 2007. Remote evaluation of SEE ERA- NET proposals through Extranet of European Commission
60. 9 Dec. 2006. Basic research proposals, National Technical University Athens, Greece
61. 28-29 Nov. 2006. Independent expert for a FP6 NoE project on new materials, NMP3-502243, Brussels, (Appointment Letter CT-EX2002B000337-108)
62. 10-13 Oct. 2006. Reviewer of completed INCO projects, Brussels.
63. 11 Sep. and 2 Oct. 2006. Environmental research proposals for the Cyprus Research Promotion Foundation
64. June-July 2006. INTAS research proposals (through EC Extranet)
65. 10-14 Apr. 2006. Proposals between Greek and Non-EU organizations, General Secretariat of Research and Technology, Greece
66. 3-20 Mar. 2006. Remote evaluation of European Commission Leonardo da Vinci proposals
67. 17 Nov. 2005. Independent expert for a FP6 NoE project on new materials, Brussels
68. 13-14 Oct. 2005. Proposals for DG International Cooperation (Call for Proposals "FP6-2004-INCO-MPC-3"), Brussels
69. 10-13 Oct. 2005. Proposals for DG Research (Call for Proposals "FP6-2004-NMP-TI-4"), Brussels
70. Aug. 2005. INTAS research proposals (through EC Extranet)
71. 19 July 2005. Environmental research proposals for the Cyprus Research Promotion Foundation, Athens, Greece
72. Apr.- May 2005. Proposals for the Regional Network of Technology Supply – RENTS of Crete, Tech. University Crete
73. 6-8 Apr. 2005. Reviewer of completed INCO proposals (Appointment Letter CT-EX2002B000337-102), Brussels
74. 5 Apr. 2005. Environmental research proposals for the Cyprus Research Promotion Foundation, Athens, Greece
75. Feb. 2005. Innovation proposals (CRINNO program), Tech. University Crete
76. 14-16 Dec. 2004. Educational proposals, Greek Ministry of Education
77. 22 Nov. 2004. Environmental research proposals for the Cyprus Research Promotion Foundation, Athens, Greece
78. Sep.-Oct. 2004. INTAS research proposals and innovation grants (through EC Extranet)
79. 15 Sep. 2004. Environmental Greek-French bilateral proposals (GSRT)
80. 13 Sep. 2004. Environmental Greek-Slovenia bilateral proposals (GSRT)
81. 29 Mar. 2004. 3 Environmental proposals for the Cyprus Research Promotion Foundation, Athens, Greece.
82. 22 Mar. 2004. 10 materials-environment Greece-Serbia and Montenegro bilateral co-operation proposals, General Secretariat of Research and Technology, Athens, Greece.
83. 14-18 Mar. 2004. Leonardo da Vinci proposals (CONTRACT NUMBER –2004-99999-27), Brussels.
84. 3 Mar. 2004. 6 environmental Greece-Hungary bilateral co-operation proposals, General Secretariat of Research and Technology, Athens.
85. Sep. 2003. INTAS proposal (on-line evaluation through INTAS extranet)
86. 10 – 13 June 2003. FP6 WBC STREPs (Appointment Letter CT-EX2002B000337-101), Brussels.
87. June 2003. 16 research proposals, Greek Ministry of Education, Athens, Greece.

88. 31 Mar. – 5 Apr. 2003. FP6 NMP NoEs (stage 1), Appointment Letter FP6-2002-NPM-1-00042, Brussels.
89. 13 May 2002: 4 environmental research proposals for the Cyprus Research Promotion Foundation, Athens, Greece.
90. May 2002. Greek proposals for post-graduate research, Greek Ministry of Education, Greece.
91. 2-6 July 2001: FP5 proposals (Contract Letter IEA2-CT2001-0013), Brussels.
92. 6 Mar. 2001. 4 environmental research proposals for the Cyprus Research Promotion Foundation, Athens, Greece.
93. 17-19 May 2000: FP5 proposals (Contract Letter IEA2-CT2000-00003), Brussels.
94. 4-15 Oct. 1999: FP5 proposals (Contract Letter ERBIEA2CT995033), Brussels.
95. Mar. 1994. Greek research proposals, Greek Secretariat of Research and Technology (GSRT)

Conference co-chair

1. ILR-SUD 2010 – Co-organiser, 2nd International Conference on Indicators for Land Rehabilitation and Sustainable Development, 18-19 Sep. 2010, Beijing, China, <http://www.iccta.cn/ilrsud/en/index.html>
2. Co-chair "3rd International Conference on Advances in Mineral Resources Management and Environmental Geotechnology", 7-9 Sep. 2009, Athens, Greece, <http://heliotopos.conferences.gr/amireq2009>
3. ILR-SUD 2008 – Co-organiser, 1st International Conference on Indicators for Land Rehabilitation and Sustainable Development, 20-21 Oct. 2008, Beijing, China, <http://www.ilr-sud.cn/cicta/ilr-sud/en/index.html>
4. Co-chair "2nd International Conference on Advances in Mineral Resources Management and Environmental Geotechnology", 25-27 Sep. 2006, Chania, Crete, Greece, <http://heliotopos.conferences.gr/amireq2006>
5. Co-chair Geoenvironmental and Geotechnics Workshop, 12-14 Sep. 2005, Milos, Greece, <http://milos.conferences.gr/index.php?id=1751>
6. Co-chair of the "1st International Conference on Advances in Mineral Resources Management and Environmental Geotechnology", 7-9 June 2004, Chania, Crete, Greece, <http://heliotopos.conferences.gr/amireq2004>

Member in conference scientific committees

1. Bauxite Residue Valorisation and Best Practices Conference, Leuven, 5-7 Oct. 2015, <http://conference2015.redmud.org/>
2. 4th Conference «Green Chemistry and Sustainable Development» Ioannina, 30 Oct.-1 Nov. 2014.
3. 4th International Symposium on Green Chemistry for Environment, Health and Development, Sep. 24-26, 2014, Kos island, Greece, <http://www.greenchem4.prd.uth.gr/>
4. International Mineral Processing Congress (IMPC) 2014, 20-24 Oct. 2014, Santiago, Chile, <http://www.impc2014.org/2014/>
5. IWA Regional Symposium on Water, Wastewater & Environment: Traditions & Culture, under the Aegis of UNESCO, 22-24 March 2014, Patras, <http://wwetc2014.env.uwg.gr/wms/>
6. 6th International Conference "Sustainable Development in the Minerals Industry (SDIMI 13)", 30 June-2 July 2013, Milos, Greece, <http://sdimi2013.conferences.gr/sdimi2013-home.html>
7. 13th International Conference of the Geological Society of Greece, 5-8 Sep. 2013, Chania, <http://www.ege13.gr/>
8. International Symposium "Olive oil mill wastes and environmental protection", 16-18 Oct. 2012, Chania, Crete, <http://www.prosodol.gr/Crete2012/?q=node/5>
9. 3rd International Symposium on Green Chemistry for Environment and Health, Skiathos, Oct. 3-5, 2012, <http://www.greenchem3.prd.uth.gr/>
10. 2nd International Symposium on Green Chemistry for Environment and Health, Mykonos, Sep. 27-29, 2010, <http://www.greenchem2.prd.uth.gr/organization.html>
11. INGESUB 2008. Member of the Scientific Committee, International Conference on Subsoil Research, Oviedo, Spain, 10-11 Nov. 2008.
12. Scientific Committee of International Workshop on Geoenvironment and Geotechnics, 8-9 Sep. 2008, Milos, Greece, <http://milos.conferences.gr/geoenv2008>
13. Scientific Committee of 3rd International Conference on Sustainable Development Indicators in the Mineral Industries (SDIMI), June 17-20, 2007, Milos, <http://milos.conferences.gr/sdimi2007>
14. Scientific Committee of *TMS Fall 2006 Extraction & Processing Meeting: Sohn International Symposium*, 27-31 Aug. 2006, San Diego, California. <http://www.tms.org/Meetings/Specialty/FallExt2006/FallExt2006-organizingcommittee.html>

15. Scientific Committee of *Mine Water Association Congress 2005 (IMWA '05)*, 5-8 Sep. 2005, Oviedo, Spain, <http://www.imwa.info/>
16. Scientific Committee of *5th Conference "Integrated Management of Water Resources* organized by the Greek committee for management of water resources, Xanthi, Greece, 6-9 April 2005, <http://www.waterinfo.gr/>
17. Organizing Committee of *15th International Biohydrometallurgy Symposium, IBS*, 14-19 Sep. 2003, Athens, <http://www.nereusgroup.gr/congress/ibs2003/>.
18. Scientific committee of *International Workshop Sustainable Development Indicators in the Mineral Industries (SDIMI)*, 21-23 May 2003, Milos island, Greece, <http://www.heliotopos.net/conf/sdimi2003/index.htm>.

5. TUTORIALS

Post-graduate courses

Technical University Crete (TUC), School Mineral Resources Eng.

1. Sep. 2014-Feb. 2015. ERASMUS MUNDUS PROGRAM, International Master in Advanced Clay Science (IMACS), course: Geomaterials and Civil Engineering - Assessment and Processing
2. Sustainable development in the mining and metallurgical industry (2003-today)
3. Solid waste, effluents and soil decontamination and remediation technologies (2003-today)
4. Physico-chemical processes (2003-today)

Greek Open University

5. Hazardous Waste Management (2007- today)

National Technical University of Athens (NTUA), School of Mining and Metallurgical Eng.

6. Soil decontamination technologies (1998-2002)
7. Refractory materials (1986-1988)

Graduate courses

Technical University Crete (TUC), School Mineral Resources Eng.

1. Ore beneficiation (Feb. 2015-)
2. Particle Engineering (Sep. 2014-)
3. Metallurgical processes and Ceramics (2004-)
4. Technologies for pollution prevention and control and environmental rehabilitation (2000-)
5. Applied geostatistics (2001-2002)

National Technical University of Athens (NTUA), School of Mining and Metallurgical Eng.

6. Off gases treatment technologies (2000-2002)
7. Metallurgy of non-ferrous metals (2000-2001)
8. Iron and Steel Metallurgy (2000-2002)

6. SCIENTIFIC PUBLICATIONS

Books – Chapter in Books

1. Doula, M.K., Tinivella, F., Sarris, A., Kavvadias, V., Moreno Ortego, J., **Komnitsas, K.** 2014. Agricultural wastes: protecting soil quality by sustainable disposal and reuse in agriculture, book chapter in *Sustainability behind Sustainability* (ed. A. Zorpas), Nova Publishers, New York, ISBN:978-1-63321-595-5 (e-Book) p. 243-274.
2. **Komnitsas, K.**, Xenidis, A., Papassiopi, N., Angelakis, A. (2014). Evolution of Water and Industrial Wastewater Management in Lavrion, Ch. 25, in *Evolution of Sanitation and Wastewater Technologies Through the Centuries*, eds. A.N. Angelakis, J.B. Rose, IWA Publishing, ISBN: 9781780404844

3. Kavvadias, V., Doula, M., **Komnitsas, K.** (2011). Long term effects of olive mill wastes disposal on soil fertility and productivity. In: *Hazardous Materials: Types, Risks and Control* (Editors: Satinder Kaor Brar), 2011 Nova Science Publishers, Inc., ISBN: 978-1-61324-425-8.
4. Modis, K., **Komnitsas, K.** (2011). How Many Data Are Enough? Estimation of an Optimum Sampling Density in Mining and Environmental Applications, in *Mine Drainage and Related Problems* (ed. B.C. Robinson), Nova Publishers. ISBN: 978-1-61668-643-7
5. **Komnitsas, K.**, Zaharaki, D. (2009). Utilisation of low-calcium slags to improve the strength and durability of geopolymers (Chapter 16), in *Geopolymers: structure, processing, properties and industrial applications*, (eds. J. L. Provis & J.S.J. van Deventer), Woodehead Publishing Ltd, UK, ISBN 978 1 84569 449 4.
6. **Komnitsas, K.** (2003). Management of radioactive wastes (Chapter 5), Rehabilitation of soils contaminated from disposal of hazardous wastes (Chapter 6), Prevention of contamination at waste disposal sites (Chapter 7), Sampling and characterization of hazardous wastes (Chapter 8), Selection and cost estimation of integrated waste management technologies (Chapter 9), pp. 93-321, in *Hazardous Wastes*, Vol. 2, Greek Open University, 2003, ISBN: 960-538-372-1.
7. **Komnitsas, K.** (2003). Liquid effluents of the mining-metallurgical industry (Chapter 11, p.p. 177-234), in *Industrial Liquid Effluents*, vol. 2, Greek Open University, 2003, ISBN: 960-538-370-5.
8. **Komnitsas, K.** (2003). Demolition wastes (Chapter 8), Solid mining and metallurgical wastes (Chapter 9), pp. 181-214, in *Municipal and other non hazardous wastes*, vol. 1, Greek Open University, 2003, ISBN: 960-538-371-3.
9. **Komnitsas, K.**, Belavilas, N., Polyzos, I. (2001). Clean up and remediation of sites affected by mining and processing activities, Chapter 1, pp. 15-64, in *Bioclimatic Planning of Cities and Buildings*, Vol. 2, Greek Open University, 2001, ISBN: 960-538-383-7.

Diploma Thesis

- **Komnitsas, K.:** Kinetic study of sulphuric acid laterite leaching in ambient conditions, NTUA, 1983 (in Greek).

PhD thesis

- **Komnitsas, K.:** Sulphuric acid pressure leaching of Greek laterites. Process simulation, NTUA, 1988 (in Greek-English summary).

Refereed publications in journals

1. Kontopoulos A., **K. Komnitsas.** Sulphuric acid pressure leaching of Greek laterites, *Mineral Wealth*, 45(1986), 81-90 (in Greek, English summary).
2. Kontopoulos A., N. Kouloubi, **K. Komnitsas.** Bauxite-alumina-aluminium industry. Greek and international perspectives, *Mineral Wealth*, 50, 1987, 1-18 (in Greek, English summary).
3. Kontopoulos, A., **K. Komnitsas.** Perspectives of the mixed sulphides industry, *Mineral Wealth*, 52, 1988, 23-35, (in Greek, English summary).
4. **Komnitsas K.**, F.D. Pooley. Mineralogical characteristics and treatment of refractory gold ores. *Minerals Engineering*, 2(4), 1989, 449-457, [http://dx.doi.org/10.1016/0892-6875\(89\)90080-0](http://dx.doi.org/10.1016/0892-6875(89)90080-0)
5. **Komnitsas K.**, F.D.Pooley. Bacterial oxidation of a refractory gold sulphide concentrate from Olympias, Greece, *Minerals Engineering*, 3(3/4), 1990, 295-306, [http://dx.doi.org/10.1016/0892-6875\(90\)90125-U](http://dx.doi.org/10.1016/0892-6875(90)90125-U)
6. **Komnitsas K.**, F.D.Pooley. Optimization of the bacterial oxidation of an arsenical gold sulphide concentrate from Olympias, Greece. *Minerals Engineering*, 4(12), 1991, 1297-1303, [http://dx.doi.org/10.1016/0892-6875\(91\)90173-S](http://dx.doi.org/10.1016/0892-6875(91)90173-S)
7. **Komnitsas K.**, Constructed wetlands: A general overview, *Mineral Wealth*, 92, 1994, 39-54.
8. **Komnitsas K.**, Amenability of overburden and tailings to biooxidation, *Mineral Wealth*, 93, 1994, 37-44.
9. **Komnitsas K.**, Aspects on bacterial leaching technology, *Mineral Wealth*, 96, 1995, 45-50.
10. Kontopoulos A., **K. Komnitsas**, A. Xenidis, N. Papassiopi. Environmental characterisation of the sulphidic tailings in Lavrion, *Minerals Engineering*, 8(10), 1995, 1209-1219, , [http://dx.doi.org/10.1016/0892-6875\(95\)00085-5](http://dx.doi.org/10.1016/0892-6875(95)00085-5)
11. **Komnitsas K.**, A. Xenidis, K. Adam. Oxidation of pyrite and arsenopyrite in sulphidic spoils in Lavrion, *Minerals Engineering*, 8(12), 1995, 1443-1454, [http://dx.doi.org/10.1016/0892-6875\(95\)00109-3](http://dx.doi.org/10.1016/0892-6875(95)00109-3)
12. **Komnitsas K.**, A. Kontopoulos, I. Lazar, M. Cambridge. Risk assessment and proposed remedial actions in coastal tailings disposal sites in Romania, *Minerals Engineering*, 11(12), 1998, 1179-1190, [http://dx.doi.org/10.1016/S0892-6875\(98\)00104-6](http://dx.doi.org/10.1016/S0892-6875(98)00104-6)

13. **Komnitsas K.**, I. Lazar, I.G. Petrisor. Application of a vegetative cover on phosphogypsum stacks, *Minerals Engineering*, 12 (2), 1999, 175-185, [http://dx.doi.org/10.1016/S0892-6875\(98\)00130-7](http://dx.doi.org/10.1016/S0892-6875(98)00130-7)
14. Groudev S., S.G. Batkova, **K. Komnitsas**. Treatment of waters polluted with radioactive elements and heavy metals by means of a laboratory passive system, *Minerals Engineering*, 12 (3), 1999, 261-270, [http://dx.doi.org/10.1016/S0892-6875\(99\)00004-7](http://dx.doi.org/10.1016/S0892-6875(99)00004-7)
15. Hallett C., **K. Komnitsas**, S. Groudev. Mining wastes at Vromos Bay, *Mining Environmental Management*, 7(3), 1999, 10-12.
16. Paspaliaris I., N. Papassiopi, A. Xenidis, **K. Komnitsas**. Remediation of land contaminated by mining and metallurgical activities in Lavrion area, *Mining and Metallurgical Annals*, v. 1-2, 1999, 31-54.
17. Peppas A., **K. Komnitsas**, I. Chalikia. Use of organic covers for acid mine drainage control, *Minerals Engineering*, 13 (5), 2000, 563-574, [http://dx.doi.org/10.1016/S0892-6875\(00\)00036-4](http://dx.doi.org/10.1016/S0892-6875(00)00036-4)
18. Tabouris S., D. Kolitsa, A. Xenidis, **K. Komnitsas**. Environmental impact assessment of sulphidic spoils in Lavrion, *Mineral Wealth*, 114 (2000), 19-32 (in Greek, English summary).
19. **Komnitsas K.** Methodology for the assessment of pollutants risk at industrial and hazardous waste disposal sites (in Greek), *Mining and Metallurgical Annals*, v. 10 (1), 2000, (in Greek, English summary).
20. **Komnitsas K.**, A. Xenidis, S. Tabouris. Composite cover for the prevention of acid mine drainage, *Mining Environmental Management*, v.8 (6), 2000, 14-17.
21. **Komnitsas K.**, A. Peppas, I. Chalikia. Prediction of the life expectancy of organic covers, *Minerals Engineering*, 13(14-15), 2000, 1589-1601, [http://dx.doi.org/10.1016/S0892-6875\(00\)00142-4](http://dx.doi.org/10.1016/S0892-6875(00)00142-4)
22. Groudev S.N., I.I. Spasova, P.S. Georgiev, **K. Komnitsas**. Bioremediation of soil contaminated with radioactive elements, *Hydrometallurgy*, 59, 2001, 311-318.
23. **Komnitsas K.**, I. Petrisor. Environmental Characterization and risk assessment of Somova waste dumps, *Mineral Wealth*, 118, 2001, 53-60.
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103. **Komnitsas, K.**, D. Zaharaki, M.T. Hernández-Fernández, 2015. Assessment of groundwater vulnerability to pollution in Barrax, Albacete, Spain, III International Symposium on Organic Matter Management and Compost Use in Agriculture, 20-24 April 2015, Murcia, Spain, <http://www.verticesur.es/congresos/CFH2015/>
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8. IMPLEMENTATION OF RESEARCH PROJECTS

Completed

1. *Jan.-Oct. '85*: Leaching and flotation of magnesite ores, funded by FIMISCO S.A., Greece, principal researcher, supervised by late Prof. A. Kontopoulos (NTUA).
2. *Oct. '85-Feb. '87*: Present status and development prospects of the Greek metallurgical industry during 1985-1995, funded by the Greek General Secretariat of Research and Technology (GSRT), member of a research team, supervised by late Prof. A. Kontopoulos (NTUA).
3. *Oct. '86-Aug. '88*: Development of an industrial method for sulphuric laterites leaching, funded by the GSRT, member of a research team, supervised by late Prof. A. Kontopoulos (NTUA).
4. *Sep. '87-Aug. '88*: Recovery of magnesium from flotation tailings, funded by ELEVME, Greece, principal researcher, supervised by late Prof. A. Kontopoulos (NTUA).
5. *Jan.-Aug. '88*: Strength of iron ores at low temperatures, funded by Parnassos Bauxites S.A, Greece, member of a research team, supervised by late Prof. A. Kontopoulos (NTUA).
6. *May-Dec. '90*: Bacterial leaching of zinc flotation tailings, funded by HZL, India, principal researcher, supervised by Prof. F.D. Pooley (University of Wales, College Cardiff, U.K).
7. *May-Dec. '90*: Recovery of metals from flotation tailings, funded by SOMINCOR Portugal, principal researcher, supervised by Prof. F.D. Pooley (University of Wales, College Cardiff, U.K).
8. *Jan. '93-June '95*: Optimization of bacterial leaching for the treatment of refractory arseniferous gold ores, funded by EC, Contract No MA2M-CT90-0055, member of a research team, supervised by late Prof. A. Kontopoulos (NTUA).
9. *Jan. '93-Feb. '94*: Modern technologies for the production of secondary lead from used batteries, funded by GSRT, Contract No 90 BE 63, member of a research team, supervised by late Prof. A. Kontopoulos (NTUA).

10. *Aug.'93-Jan.'96*: Bioremediation of sites affected by acid mine drainage by accelerated bioleaching of mine wastes, funded by EC, Contract No EV5V-CT93-0248, member of a research team, supervised by late Prof. A. Kontopoulos (NTUA).
11. *Nov.'93-Oct.'95*: Kinetic study of pressure laterite leaching and determination of precipitated compounds, funded by GSRT, PAVE program, member of a research team, supervised by late Prof. A. Kontopoulos (NTUA).
12. *Sep.'92-Aug.'97*: Environmental management in the mining and metallurgical industry, 2 consecutive TEMPUS projects, Contract Nos, JEP-03657-92 και JEP-03657-BG95, funded by Tempus Office, member of a team, supervised by late Prof. A. Kontopoulos (NTUA).
13. *Apr.-June '95*: Remediation actions at Lavrion Technological Park (ex lead smelter), Greece, funded by NTUA, member of a research team, supervised by late Prof. A. Kontopoulos (NTUA).
14. *July '95-Feb.'96*:Lavrion slags toxicity – potential use for the extension of Lavrion harbour, funded by Alfa Techniki S.A, member of a research team, supervised by late Prof. A. Kontopoulos (NTUA).
15. *Nov.'95-Apr.'96*: Environmental Assessment at Lavrion Technological Park, funded by Greek Structural Fund, member of a research team, supervised by Prof. K. Kassios (NTUA).
16. *Dec.'95- Nov.'96*: Rehabilitation of a tailings dam at Lavrion Technological Park, funded Greek Structural Fund, member of a research team, supervised by late Prof. A. Kontopoulos (NTUA).
17. *Feb.'97-July'99*: Pollution at Black Sea coastal areas due to mining activities. Pilot scale rehabilitation actions, funded by EC, Contract No IC15-CT96-0114, member of a research team, supervised by late Prof. A. Kontopoulos (NTUA).
18. *Apr. '97-June'99*: Prevention of acide mine drainage generation at Lavrion by wet-dry covers, funded by GSRT, PENED program, Contract No 95 ED 917, member of a research team, supervised by late Prof. A. Kontopoulos – Prof. I. Halikia (NTUA).
19. *June '97-May '98*: Risk assessment at lignite mines, funded by the Greek Power Corporation (DEH), member of a research team, supervised by Prof. K. Kassios (NTUA).
20. *Sep. '98-Aug.2000*: Study and application of remediation technologies for mitigation of pollution emanating from uranium wastes in Romania, funded by GSRT, Greek-Romania bilateral cooperation program, principal researcher, supervised by Prof. I. Halikia (NTUA).
21. *Jan. '98-Dec. '99*: Pollution prevention and rehabilitation techniques at mining areas, funded by the Greek Ministry of labour, ADAPT program, member of a research team, supervised by Prof. K. Kassios (NTUA).
22. *Oct. '99-Mar.'01*: Optimized system for waste management at a lead smelter, funded by GSRT, program EPET II, principal researcher, supervised by Prof. I. Paspaliaris (NTUA).
23. *Oct.99-Dec. 2000*: Integrated soil rehabilitation at Lavrion Technological Park, funded by Greek Structural Fund, member of a research team, supervised by Prof. P. Neou (NTUA).
24. *Sep.'00-Dec.'03*: Environmental management of hazardous mining wastes and effluents (Enviman), funded by EC, Copernicus II project, Contract No ICA2-CT-2000-10010, principal researcher, supervised by Prof. I. Paspaliaris (NTUA).
25. *Mar.'00–Feb.'03*. Life cycle assessment of mining and metallurgical projects (Licymin). Funded by EC, Growth Program, Contract No G1RD-CT2000-00162, member of a research team, supervised by Prof. I. Paspaliaris (NTUA).
26. *Oct. 2003- May 2005*. Prevention of groundwater pollution from effluents produced by mining and metallurgical activities with the use of permeable reactive barriers, Funded by: "Alexander S. Onassis" Foundation, Scientific Coordinator TUC.
27. *Aug '04–Jul. '07*. Integrated treatment of industrial wastes towards prevention of regional water resources contamination (INTREAT), INCO C.1 Environment STREP, funded by the EC, budget TUC 170,000 €, scientific co-ordinator TUC, Webpage: <http://www.labmet.ntua.gr/intreat/>
28. *Sep '04 – Aug '06*. Integrated industrial solid waste management in Albania (INSWAM – AL), INCO C.1 Environment, SSA, funded by the EC, budget TUC 70,000 €, scientific co-ordinator TUC, Webpage: <http://www.mred.tuc.gr/projects/inswab/index.htm>
29. *Mar.'04 - Aug.'06*. Innovative technologies for the management of hazardous mining wastes towards prevention of groundwater contamination, funded by the Greek Ministry of Education, PYTHAGORAS program, budget 50,000 €, scientific coordinator TUC.
30. *Sep. '05 – Aug. '07*. Management and remediation of hazardous industrial wastes in the Western Balkan Countries (INDUWASTE). INCO C.1 Environment, SSA, funded by the EC, budget TUC 40,000 €, webpage: <http://www.ibes.be/induwaste/>, scientific coordinator TUC
31. *Apr. '06 – Dec. '06*. Risk assessment study at the Somika plant, Katanga province, Kongo, Contrat No 48/Copirep/SE/03/2006, funded by COPIREP, budget TUC 30,000 €, consultancy (coordinator IBES, BE).

32. Jan. '06 – Dec. '07. Strategic plan for prevention of regional water resources contamination from mining and metallurgical activities in Western Balkan Area (PREWARC), INCO C.1 Environment, SSA, funded by the EC, budget TUC 25,000 €, scientific co-ordinator TUC, webpage: <http://www.labmet.ntua.gr/prewarc/index.htm>
33. Jan. '06 – Dec. '07. Integrated system for the rehabilitation of contaminated areas in waste disposal sites with the use of innovative technologies, Bilateral Sino-Greek cooperation project, funded by the Greek General Secretariat of Research and Technology, budget TUC 11,150 €, scientific co-ordinator TUC, <http://www.mred.tuc.gr/projects/GR-China/index.htm>
34. Oct. '06. - Sep. '07. Elucidation of inorganic polymers synthesis mechanisms, funded by the Research Committee of Technical University Crete, basic research project, scientific coordinator.
35. June '06 – May '08. Optimization of the permeable reactive barriers performance for the decontamination of leachates and groundwater, bilateral Greek-Canada cooperation project, funded by the Greek General Secretariat of Research and Technology, budget TUC 40,000 €, scientific co-ordinator TUC, <http://www.mred.tuc.gr/p042.htm>
36. Oct. '07 – Sep. '08. Elucidation of manganese removal mechanisms from metallurgical process solutions and leachates generated at waste disposal sites, funded by the Research Committee of Technical University Crete, basic research project, scientific coordinator, <http://www.mred.tuc.gr/projects/GeoImmob/GeoImmob.html>
37. Jan. 08 – Dec. 10: Consultancy services for the development of an ISO 14001 Environmental Management System at LARCO S.A, funded by Speed Ltd, consultancy
38. Oct. '08 – Sep. '10. Elucidation of heavy metal immobilisation mechanisms in inorganic polymers synthesized from electric arc ferronickel slag funded by the Research Committee of Technical University Crete, basic research project, scientific coordinator.
39. Jan. 2009 – Dec. 2012. Strategies to improve and protect soil quality from the disposal of olive oil mills' wastes in the Mediterranean region, Life+ project (PROSODOL), funded by the European Commission, Budget TUC 312.493 €, scientific coordinator, <http://www.prosodol.gr/>
40. July 2011-July 2012. Strategic study for the development of good practices towards the improvement of working environment in Greek Enterprises, participants: Technical University Crete, Eco- Efficiency Consulting and Engineering Ltd, Athanassakis – Bogris Co., Funded by STEGI of Hellenic Federation of Enterprises, Budget TUC: 45.000 €.
41. July 2011-June 2013. Treatment of Acid Mine Drainage Using Permeable Reactive Barriers (In-Situ Treatment) and Anaerobic Baffled Reactors (Ex-Situ Treatment), bilateral cooperation Greece-Turkey, cooperation with Harran University, funding by General Secretariat of Research and Technology, scientific coordinator TUC, <http://www.tuc.gr/treatamd.html>

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42. September 2011-August 2015. Best practices for agricultural WASTEs (AW) treatment and REUSE in the Mediterranean countries, LIFE+ Environment Policy and Governance 2010, Participants: TUC, Centro de Edafologia y Biología Aplicada del Segura, Consejo Superior de Investigaciones Científicas (CEBAS-CSIC) (Spain), Regional Center for Agricultural Experimentation and Assistance (CERSAA) (Italy), Chemical Laboratory of the Chamber of Commerce of Savona (Laboratorio Chimico CCIAA) (Italy), SIGNOSIS SPRL (SIGNOSIS), (Belgium), funded by EC, Total project budget 1.384.799 €, TUC budget: 277.088 €, TUC coordinator, www.wastereuse.eu
43. Jan. 2012 – June 2015. Development of an integrated methodology for the management, treatment and valorisation of hazardous waste (WasteVal), Thalís project. Partners: Laboratory of Metallurgy (NTUA), Laboratory of Electron Microscopy, Department of Physics (AUTH), General and Inorganic Chemical Technology, Department of Chemistry (AUTH), Research Unit of Mining / Metallurgical Waste Management and Rehabilitation of Contaminated Soils (TUC), Budget: 521.000€, funded by the Greek Ministry of Education, <http://excellence.minedu.gov.gr/thalis/en/thalisprojects/420>
44. Jan. 2013 – June 2015. Recycling of quarry dust and construction and demolition wastes for the production of novel ecological building elements, Cooperation Project, Participants: Research unit of Quality Control-Health and Safety in Minerals Industry (TUC, coordinator), Research unit of Management of mining / metallurgical wastes and rehabilitation of contaminated soils (MWSR), Technobeton S.A, Finobeton S.A, funded by General Secretariat of Research and Technology, Project budget: 504.250 €, MWSR TUC budget: 102.500 €, <http://www.durecobel.gr/>
45. Jan. 2013- June 2015. Development of Mathematical Predictive Model coupled with Neural Network smoothing algorithms to Optimize Operating Conditions and Improve Energy Efficiency of Rotary Kiln and Electric Arc Furnaces in Ferronickel Production Plants (MANNFENI), Cooperation Project, Participants: NTUA (Lab. of Metallurgy, coordinator), TUC, LARCO (FeNi plant), ELKEME, TEC, funded by General Secretariat of Research and Technology, Project budget: 821.421 €, TUC budget: 69.100 €,
46. Oct. 2012 – Sep. 2016. Sustainable strategies for the improvement of seriously degraded agricultural areas: The example of Pistachia vera L. LIFE+ Environment Policy and Governance 2011, Participants: TUC, Hellenic Agricultural Organization "ELGO-DEMETER"-Soil Science Institute of Athens (coordinator), Institute of Mediterranean Studies Foundation for Research and Technology, funded by EC, Total project budget 1.026.509 €, TUC budget: 175.233 €, <http://www.agrostrat.gr/>

