

## CV – Prof. Konstantinos Komnitsas

### 1. GENERAL INFORMATION

DATE	Dec. 2022
NAME	<b>Konstantinos Komnitsas</b>
OCCUPATION	Dr. Mining and Metallurgical Engineer (PhD in Hydrometallurgy) Professor, School Mineral Resources Engineering Technical University Crete, Greece Director of Laboratories <ol style="list-style-type: none"><li>1. Waste Management and Soil Rehabilitation</li><li>2. Ore Beneficiation</li><li>3. Ceramics and Glass Technology</li></ol>
HOME ADDRESS	161, March 25 <sup>th</sup> 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 mobile:+30 697 7506744 Email: <a href="mailto:kkomnitsas@tuc.gr">kkomnitsas@tuc.gr</a> ; <a href="mailto:komni@mred.tuc.gr">komni@mred.tuc.gr</a> ; <a href="mailto:kostas.komnitsas@gmail.com">kostas.komnitsas@gmail.com</a> Webpage: <a href="http://www.mred.tuc.gr/4250.html">http://www.mred.tuc.gr/4250.html</a> <a href="https://www.mred.tuc.gr/index.php?id=4248&amp;L=928">https://www.mred.tuc.gr/index.php?id=4248&amp;L=928</a> <a href="https://www.mred.tuc.gr/index.php?id=4246&amp;L=928">https://www.mred.tuc.gr/index.php?id=4246&amp;L=928</a>
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"><li>1. Technical Chamber of Greece</li><li>2. Greek Society of Mining and Metallurgical Engineers</li><li>3. Greek Society of Mineral Wealth Scientists</li><li>4. “Alexander S. Onassis” Foundation Scholars</li><li>5. National Technical University (NTUA) Graduates Union</li><li>6. ASTM Member (Environmental Forensics)</li><li>7. EWRA Member (European Water Resources Association)</li><li>8. GWA (Greek Water Association)</li><li>9. University Network Biomet (Fate and Transport of Biocolloids in Environmental Systems)</li></ol>

### 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, NTUA
- 1973-1978: **Secondary School**, Agia, Larissa, Greece

### 3. ACADEMIC CAREER

- 12 Feb. '03 - **Technical University Crete**, School Mineral Resources Engineering, Professor
- 01 Oct. '07 - **Greek Open University**, teaching staff, Postgraduate Program “Waste Management”.
- Jan '93 – 11 Feb. '03: **NTUA**, School of Mining and Metallurgical Engineering, Senior Research Scientist
- June - 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

#### Distinctions

1. For the period 2020 - 2022 I am in the top 2% list of the most influential scientists in my scientific area, <https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/4>, <https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/3>, Ioannidis JPA, Boyack KW, Baas J (2020) Updated science-wide author databases of standardized citation indicators. PLoS Biol 18(10): e3000918. <https://doi.org/10.1371/journal.pbio.3000918>, <https://journals.plos.org/plosbiology/article?id=10.1371/journal.pbio.3000918>.
2. Jan. 2020 - . Member of the Education Council and representative of Technical University of Crete in EURECA-PRO, European University on Sustainable Consumption and Production, <https://www.eurecapro.eu/>
3. Keynote speaker, 10th Sustainable Development in the Minerals Industry (SDIMI) 2021 conference, Namibia, <https://www.saimm.co.za/saimm-events/upcoming-events/sdimi-2022-10th-international-conference> (conference shifted to 15-17 Sep. 2022)
4. June 2022, co-editor Special Issue on Recent Trends in Eco-Sustainable Recycling of Energy Critical Elements from Low grade and Secondary Resources (ECORECEL), ESPR journal (IF 4.223), <https://www.springer.com/journal/11356/updates/23138928>
5. July 2021. External evaluator for a faculty member for South Africa’s National Research Foundation (NRF)
6. 2020-2022. I contributed as external expert (x2) on the study on the EU's list of Critical Raw Materials, European Commission, Directorate-General for Internal Market, Industry, Entrepreneurship and SMEs, [Blengini, G., El Latunussa, C., Eynard, U., et al., Study on the EU's list of critical raw materials (2020) : final report, Publications Office, 2020], <https://data.europa.eu/doi/10.2873/11619>
7. Oct. 2019 - . Deputy Head, Postgraduate Program “Waste Management”, Hellenic Open University
8. 2009-2022. External evaluator of 9 PhD theses (3 in Spain, 2 in Australia, 2 in Finland, 1 in Italy, 1 in India)
9. Aug. 2018. Invitation by the National Research Foundation (NRF), S. Africa, to assist in evaluating whether an application for extension submitted by a Professor of Tshwane University of Technology is eligible for continuation or not.

10. May 2018., Editor of a Special Issue “Recent Advances in Hydro- and Biohydrometallurgy”, Journal Minerals (MDPI), I.F 2.6.
11. 2016. Member of a promotion committee for a staff member, University of Nicosia, Cyprus
12. 2015. The Life+ PROSODOL project was selected as one of the best projects among those ended in 2014 by the Life Unit of the European Commission
13. 2014. Member of a promotion committee for a staff member, Università Politecnica delle Marche, Italy
14. July 2014. The bilateral project between Turkey and Greece «Treatment of Acid Mine Drainage Using Permeable Reactive Barriers (In-Situ Treatment) and Anaerobic Baffled Reactors (Ex-Situ Treatment)» (2011-2013) was nominated as success story by Tubitak (Turkish Research Foundation), [http://medeniyet.edu.tr/Guncel\\_Duyurular\\_ogretim\\_uyemiz\\_doc\\_dr\\_erkon\\_sahinkayanin\\_projesi\\_tubitak\\_basari\\_hikayesi\\_secildi.html](http://medeniyet.edu.tr/Guncel_Duyurular_ogretim_uyemiz_doc_dr_erkon_sahinkayanin_projesi_tubitak_basari_hikayesi_secildi.html)
15. Sep. 2013 – Aug. 2020 : National expert for the action Societal Challenge 'Climate action, environment, resource efficiency and raw materials', Horizon 2020
16. Sep. 2013. Member of the high level expert group, set by the European Commission, for the roadmap of metallurgy for Europe until 2050.
17. 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 committee 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>)
18. Oct. 2006 – Jan. 2009. National Representative FP7 (2006-2013) for International Cooperation
19. Nov. 2002 – Oct. 2004. National Representative for the Horizontal Action “Integrating and Strengthening the European Research Area (FP6)
20. Jan. 2002 – Mar. 2003. National representative for the definition of financial rules of participants (model contracts) in FP6
21. Sep. 2003: Alexander S. Onassis Foundation. 18-month-grant for implementation of research project after a competitive call
22. 3 May 2002: Abdi Ipekci prize as Editor-in-Chief of the *European Journal of Mineral Processing and Environmental Protection*
23. 01/12/88 - 31/05/90: European Commission (Directorate Biology - Division Biotechnology). Research grant. Research was carried out at Cardiff School of Engineering
24. 1984-1986: “Alexander S. Onassis Foundation”, Grant for PhD studies

#### **Member of journal Editorial Boards**

1. *Minerals* (MDPI) (since 06/2019), <https://www.mdpi.com/journal/minerals/editors>
2. *Information Processing in Agriculture* (Elsevier), <http://www.elsevier.com/journals/information-processing-in-agriculture/2214-3173>, (since 08/2013)
3. *Environmental Forensics* (Taylor and Francis), <http://www.environmentalforensics.org/journal.htm>, (since 01/2005)
4. *Minerals Engineering* (Elsevier), <http://www.elsevier.nl/locate/issn/08926875> (since 04/2000)

#### **Evaluator of Research Proposals**

1. Oct. 2022. Innovation Fund of Montenegro, 2 proposals, remote
2. Sep. 2022. PRESERVE (H2020 project) review (Appointment letter CT-EX2002B000337-143), remote
3. May 2022. 20 proposals, National Centre of Science and Technology Evaluation Kazakhstan, remote

4. May 2022, HORIZON-CL4-2022-RESILIENCE-01, HORIZON-CL4-2022-TWIN-TRANSITION-01, Appointment letter CT-EX2002B000337-142, remote
5. Apr. 2022. Criticality assessment of raw materials for the EU-27, Appointment letter CT-EX2002B000337-142, remote
6. Mar. 2022, Chairman, Post-doc proposals, Hellenic Foundation for Research and Innovation (ELIDEK), remote
7. Mar. 2022, 1 proposal KUL, Belgium, Research Council KUL, remote
8. Feb. 2022, 84 proposals, Region of Attica, remote
9. Jan. 2022. REPAIR 3D (H2020 project) review (Appointment letter CT-EX2002B000337-140), remote
10. Dec. 2021. PureSmart (H2020 project) review (Appointment letter CT-EX2002B000337-139), remote
11. Oct. 2021. Horizon HORIZON-CL4-2021-TWIN-TRANSITION-01 and HORIZON-CL4-2021-RESILIENCE-01 review (Appointment letter CT-EX2002B000337-138), remote
12. Oct. 2021. 7 stage 2 proposals ERA-MIN 3 (remote)
13. Oct. 2021. 17 proposals TE, PCE, Executive Agency for Higher Education, Research, Development and Innovation Funding, Romania, remote
14. Sep. 2021. InComEss (H2020 project) review (Appointment letter CT-EX2002B000337-137), remote
15. Sep. 2021. Protect (H2020 project) review (Appointment letter CT-EX2002B000337-136), remote
16. Sep. 2021. Final review of project T1EDK-04491 – OPS 5029897, General Secretariat of Research and Technology, Greece, remote
17. Aug. 2021. 1 proposal, Czech Science Foundation (remote)
18. July 2021, 1 proposal, Qatar University Internal Collaborative Grants, remote
19. June. 2021. 2 proposals, Russian Science Foundation, remote
20. June 2021. 3 proposals National Centre of Science and Technology Evaluation Kazakhstan, remote
21. Apr. 2021. 11 proposal ERA-MIN 3 (remote)
22. Mar. 2021. 7 proposals Portugal – India (Fundação para a Ciência e a Tecnologia, I.P. (FCT), Portugal
23. Mar. 2021. 11 proposals National Centre of Science and Technology Evaluation Kazakhstan, remote
24. Jan. 2021. 2 proposals ELIDEK (Hellenic Foundation of Research and Innovation), remote
25. Jan. 2021. 6 proposals Poland-Norway, small grant scheme call, remote
26. Dec. 2020. 1 proposal Swiss NSF, remote
27. Oct. 2020. Review of project T1EDK-02735– OPS 5032796, General Secretariat of Research and Technology, Greece, remote, 2nd reporting period
28. Sep. 2020. PureSmart review (Appointment letter CT-EX2002B000337-135), remote
29. Aug. 2020. 19 proposals Executive Agency for Higher Education, Research, Development and Innovation Funding, Romania, remote
30. Aug. 2020. 20 proposals National Centre Research and Technology Kazakhstan, remote
31. May 2020. 3 proposals, Russian Science Foundation (remote)
32. Feb. 2020. Review of project T1EDK- 03543 – OPS 5030463, GSRT, remote
33. Feb. 2020. National Centre for Research and Development, Poland, 2 proposals (remote)
34. Feb. 2020. 1 postdoc proposal for ELIDEK (Greece) (remote)
35. Jan. 2020, Protect review (Appointment letter CT-EX2002B000337-134), remote and Guimaraes
36. Nov. 2019. 7 proposals, Executive Agency for Higher Education, Research, Development and Innovation Funding, Romania, remote

37. Nov. 2019. 3 proposals M-ERA.NET, remote
38. Nov. 2019. Alliance review (Appointment letter CT-EX2002B000337-133), remote and Brussels
39. Oct. 2019. 1 proposal National Centre of Science and Technology Evaluation Kazakhstan, remote
40. Oct. 2019. Review of project T1EDK-02735– OPS 5032796, General Secretariat of Research and Technology, Greece, remote
41. Sep. 2019. Review H2020 Flexpol project, (Appointment letter CT-EX2002B000337-132), remote and Aachen (12 Dec. 2019)
42. Sep. 2019. Latvian of Science, 2 proposals, call: call: Fundamental and Applied Research Projects, remote
43. Sep. 2019. Review of project T1EDK-04175 – OPS 5027367, General Secretariat of Research and Technology, Greece, remote
44. May 2019. Ministry of Science, Montenegro, 1 proposal, remote
45. May 2019. Review of project T1EDK-04491 – OPS 5029897, General Secretariat of Research and Technology, Greece, remote
46. Mar. 2019. Assessment of criticality of 4 industrial minerals (Appointment letter CT-EX2002B000337-131), remote and Brussels 11 Σεπ. 2019
25. Jan. 2019. Flexpol review (Appointment letter CT-EX2002B000337-130), remote and Brussels
47. Sep. 2018. Review H2020 Fissac project (Appointment letter CT-EX2002B000337-129), remote and Brussels
48. Sep. 2018. Evaluator H2020 H2020-SC5-2018-2-Second Stage proposals (Appointment letter CT-EX2002B000337-128), remote and Brussels (15-18 Oct. 2018)
49. July 2018. Review H2020 Flexpol project, (Appointment letter CT-EX2002B000337-127), remote and Torino (12 July)
50. June 2018. Review H2020 Protect project, (Appointment letter CT-EX2002B000337-126), remote and Limerick (5-6 June)
51. April 2018. Review H2020 Alliance project, (Appointment letter CT-EX2002B000337-125), remote and Brussels (23 April)
52. June 2018. Ministry of Science, Montenegro, 1 cooperation proposal Montenegro-Italy, remote
53. Apr. 2018. Latvian of Science, 2 proposals, call: Fundamental and Applied Research Projects, remote
54. Nov. 2017. 2 post-doc proposals, University Calabria, Italy, remote
55. Oct. 2017. 15 proposals National Centre of Science and Technology Evaluation Kazakhstan, remote
56. Oct. 2017. 7 proposals bilateral program Greece-Israel (energy sector), GSRT, remote
57. Oct. 2017. 1 post-doc proposal, University of Insubria, Italy, remote
58. Aug. 2017. 32 proposals bilateral program Greece-Germany (Energy sector) GSRT, remote
59. May 2017. 1 proposal Russian NSF, remote
60. May 2017. 1 proposal Swiss NSF, remote
61. Mar. 2017. 1 proposal. Politecnico di Torino (networks), remote
62. Feb. 2017. 4 proposals. National Science Foundation, Russia, remote
63. Feb. 2017. 2 proposals. National Center of Research and Development Poland, remote
64. Nov. 2016. 2 proposals M-ERA.NET (remote)
65. Sep. 2016. 18 proposals, Executive Agency for Higher Education, Research, Development and Innovation Funding, Romania, remote
66. July 2016. 3 proposals, Fifth Open Grant Competition of the Government of the Russian Federation “On measures designed to attract leading scientists to Russian institutions of higher learning”, remote
67. July 2016. 6 proposals ERANETMED2, remote

68. June 2016. 9 proposals H2020-NMBP-BIO\_2016, BIOTEC-02-2016, Stage 2, (Appointment letter CT-EX2002B000337-124), remote
69. June 2016. 1 proposal, Czech Science Foundation, remote
70. May 2016. 1 proposal, MIUR (the Italian Ministry for Education, University and Research, call for proposals "PRIN 2015", remote
71. Apr. 2016. 6 proposals. National Center of Research and Development Poland, remote
72. Mar. 2016. National Center of Research and Development Poland. Mid-term review of ongoing project
73. Feb. 2016. 11 proposals, Russian Science Foundation, remote
74. Feb. 2016. 8 proposals H2020-NMBP-GV-2016, (Appointment letter CT-EX2002B000337-123), One stage call, remote
75. Jan. 2016. 16 proposals H2020-NMBP-BIO\_2016, BIOTEC-02-2016, Stage 1, (Appointment letter CT-EX2002B000337-122), remote
76. Non. 2015. NSF (National Science Foundation) Russia, 6 proposals, remote
77. Oct. 2015. DLR Germany, 5 proposals, remote
78. Sep. 2015. University of Insubria, Italy, 1 proposal, remote
79. Aug. 2015. NCRD, Poland, 3 proposals, remote
80. May 2015. 1 proposal, NSF Russia, remote
81. May 2015. Politecnico di Torino. 1 proposal for "TALENT RESEARCH" (LA RICERCA DEI TALENTI) call, remote
82. May 2015. ERA.NET RUS Plus, 3 proposals (remote)
83. Apr. 2015. 3 proposals National Centre for Research and Development (NCRD) Poland (remote)
84. Feb. 2015. 2 proposals M-ERA.NET (remote)
85. Feb. 2015. 9 proposals H2020 SPIRE Call 2015\_Topic 6, (Appointment letter CT-EX2002B000337-121), remote and Brussels
86. Feb. 2015. Rustaveli Foundation, Georgia, 2 proposals (remote)
87. Dec. 2014. ERA.NET RUS Plus, 3 proposals (remote)
88. Dec. 2014. MIUR (Italian Ministry for Education, University and Research), 1 proposal, remote
89. Nov. 2014. 1 post-doc research proposal, University of Insubria, Italy, remote
90. Nov. 2014. 10 proposals, National Centre of Research and Technology, Kazakhstan, remote
91. Nov. 2014. 2 proposals, Ministry of Research, Montenegro, remote
92. Oct. 2014. 2 proposals (environment), National Centre for Research and Development, Poland, remote
93. Aug. 2014. 1 proposal (environment), Bulgarian Science Fund, remote
94. Apr. 2014. 6 proposals in materials / metallurgy for National Centre for Research and Development, Poland, remote
95. Mar. 2014. M-ERA.NET, 4 proposals in materials, remote
96. Mar. 2014. Romanian Executive Agency for Higher Education, Research, Development and Innovation Funding ([www.uefiscdi.gov.ro](http://www.uefiscdi.gov.ro)), 6 environmental proposals, remote
97. Jan. 2014. 2 proposals, Montenegro Ministry of Research, remote
98. Nov. 2013. 7 proposals, Ministry of Education and Science, Russian Federation, remote
99. Oct. 2013. 1 proposal, National Commission for Scientific and Technological Research (CONICYT), Chile, remote
100. Sep. 2013. 2 proposals, Shota Rustaveli National Science Foundation's (SRNSF), Georgia, remote

101. Aug. 2013. 7 bilateral Greek-German proposals in the field of energy, GSRT, remote
102. July 2013. Technical review of a finished FP7 Collaborative project, (Appointment letter CT-EX2002B000337-120), remote
103. May 2013. 3 proposals M-ERA.NET 2012 Call (remote)
104. Apr. 2013. 6 proposals FP7-ENV2013, 6.3.2 (Eco-innovative demonstration projects) 2nd stage, (Appointment letter CT-EX2002B000337-119), remote and Brussels
105. Mar. 2013. 5 proposals in environment/materials for reintegrating scientists, Ministry of Education and Science, Russian Federation
106. Feb. 2013. 6 proposals in materials/metallurgy for the National Centre for Research and Development, Poland
107. Jan. 2013. Technical review of an ongoing FP7 Collaborative project, Appointment letter CT-EX2002B000337-118
108. Nov. 2012. 10 proposals FP7-ENV2013, 6.3.2 (Eco-innovative demonstration projects) one and 2 stage, Appointment letter CT-EX2002B000337-117
109. Oct. 2012. Portuguese Center of Research and Technology (FCT), remote
110. July 2012. National Centre of Research and Technology of Kazakhstan (remote)
111. July 2012. Bilateral proposals Greece-Slovak Republic (remote)
112. 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
113. 11 Feb. 2012. Basic research proposals, National Technical University of Athens
114. 1-4 Feb. 2012. Greek Ministry of Education, GSRT, Support of new SMEs in RTD activities
115. 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)
116. Sep. 2011. Science Foundation of Georgia (remote)
117. Sep. 2011. European Commission, Appointment letters CT-EX2002B000337-113 and 114
118. July 2011. Ministry of Education and Science, Russian Federation, proposals for reintegration of Russian scientists
119. 18-20 July 2011. Greek Ministry of Education, GSRT, 36 proposals for supporting research and innovation in SMEs
120. July 2011. Research proposals in materials, Czech Science Foundation (remote)
121. Nov. 2010. Research proposals, National Science Foundation, Arlington, VA, USA (remote)
122. Oct. 2010. Research proposals, Ministry of Education and Science, Russian Federation (remote)
123. Oct. 2010. Research proposals, Ministry of Science and Technological Development, Serbia (remote)
124. 25 Sep. 2010. Basic research proposals, National Technical University Athens
125. 1-3 Sep. 2010. Innovation proposals (32), General Secretariat of Research and Technology, Athens
126. July 2010. Basic research proposal, Czech Science Foundation (remote)
127. 23 Apr. 2010. Heraklitus proposals, Greek Ministry of Education, Athens
128. Mar. 2010. Materials research proposals (1) for the Cyprus Research Promotion Foundation (remote)
129. Mar. 2010. Cooperation proposals (3), General Secretariat of Research and Technology, Athens
130. 3 Feb. 2010. Student training proposals (3), Greek Ministry of Education, Athens
131. Nov. 2009. Environmental research proposals (2) for the Cyprus Research Promotion Foundation
132. 21-23 Sep. 2009 and 5 Jan. 2010. 31 Heraklitus proposals, Greek Ministry of Education, Athens

133. 8 May. 2009. Independent Expert of an ongoing FP6 IP, NMP3-CT-2005-011783 (Appointment Letter CT-EX2002B000337-111)
134. 3 Mar. 2009. Independent Expert of an ongoing FP6 IP, NMP3-CT-2004-500253 (Appointment Letter CT-EX2002B000337-110)
135. 30 June 2008. Environmental research proposals (2) for the Cyprus Research Promotion Foundation, Athens
136. 7 June 2008. Basic research proposals, National Technical University Athens, Greece
137. 6 Mar. 2008. Independent expert of an ongoing FP6 IP, NMP3-CT-2005-011783 (Appointment Letter CT-EX2002B000337-109)
138. 13 Sep. 2007. Environmental research proposals for the Cyprus Research Promotion Foundation, Athens
139. 7 July 2007. Basic research proposals, National Technical University Athens, Greece
140. Apr. 2007. Remote evaluation of SEE ERA- NET proposals through Extranet of European Commission
141. 9 Dec. 2006. Basic research proposals, National Technical University Athens, Greece
142. 28-29 Nov. 2006. Independent expert for a FP6 NoE project on new materials, NMP3-502243, Brussels, (Appointment Letter CT-EX2002B000337-108)
143. 10-13 Oct. 2006. Reviewer of completed INCO projects, Brussels.
144. 11 Sep. and 2 Oct. 2006. Environmental research proposals for the Cyprus Research Promotion Foundation
145. June-July 2006. INTAS research proposals (through EC Extranet)
146. 10-14 Apr. 2006. Proposals between Greek and Non-EU organizations, General Secretariat of Research and Technology, Greece
147. 3-20 Mar. 2006. Remote evaluation of European Commission Leonardo da Vinci proposals
148. 17 Nov. 2005. Independent expert for a FP6 NoE project on new materials, Brussels
149. 13-14 Oct. 2005. Proposals for DG International Cooperation (Call for Proposals “FP6-2004-INCO-MPC-3”), Brussels
150. 10-13 Oct. 2005. Proposals for DG Research (Call for Proposals “FP6-2004-NMP-TI-4”), Brussels
151. Aug. 2005. INTAS research proposals (through EC Extranet)
152. 19 July 2005. Environmental research proposals for the Cyprus Research Promotion Foundation, Athens, Greece
153. Apr.- May 2005. Proposals for the Regional Network of Technology Supply – RENTS of Crete, Tech. University Crete
154. 6-8 Apr. 2005. Reviewer of completed INCO proposals (Appointment Letter CT-EX2002B000337-102), Brussels
155. 5 Apr. 2005. Environmental research proposals for the Cyprus Research Promotion Foundation, Athens, Greece
156. Feb. 2005. Innovation proposals (CRINNO program), Tech. University Crete
157. 14-16 Dec. 2004. Educational proposals, Greek Ministry of Education
158. 22 Nov. 2004. Environmental research proposals for the Cyprus Research Promotion Foundation, Athens, Greece
159. Sep.-Oct. 2004. INTAS research proposals and innovation grants (through EC Extranet)
160. 15 Sep. 2004. Environmental Greek-French bilateral proposals (GSRT)
161. 13 Sep. 2004. Environmental Greek-Slovenia bilateral proposals (GSRT)
162. 29 Mar. 2004. 3 Environmental proposals for the Cyprus Research Promotion Foundation, Athens, Greece.



163. 22 Mar. 2004. 10 materials-environment Greece-Serbia and Montenegro bilateral co-operation proposals, General Secretariat of Research and Technology, Athens, Greece.
164. 14-18 Mar. 2004. Leonardo da Vinci proposals (CONTRACT NUMBER –2004-99999-27), Brussels.
165. 3 Mar. 2004. 6 environmental Greece-Hungary bilateral co-operation proposals, General Secretariat of Research and Technology, Athens.
166. Sep. 2003. INTAS proposal (on-line evaluation through INTAS extranet)
167. 10 – 13 June 2003. FP6 WBC STREPs (Appointment Letter CT-EX2002B000337-101), Brussels.
168. June 2003. 16 research proposals, Greek Ministry of Education, Athens, Greece.
169. 31 Mar. – 5 Apr. 2003. FP6 NMP NoEs (stage 1), Appointment Letter FP6-2002-NPM-1-00042, Brussels.
170. 13 May 2002: 4 environmental research proposals for the Cyprus Research Promotion Foundation, Athens, Greece.
171. May 2002. Greek proposals for post-graduate research, Greek Ministry of Education, Greece.
172. 2-6 July 2001: FP5 proposals (Contract Letter IEA2-CT2001-0013), Brussels.
173. 6 Mar. 2001. 4 environmental research proposals for the Cyprus Research Promotion Foundation, Athens, Greece.
174. 17-19 May 2000: FP5 proposals (Contract Letter IEA2-CT2000-00003), Brussels.
175. 4-15 Oct. 1999: FP5 proposals (Contract Letter ERBIEA2CT995033), Brussels.
176. Mar. 1994. Greek research proposals, Greek Secretariat of Research and Technology (GSRT)

#### **Conference co-chair**

1. International Conference on Raw Materials and Circular Economy, Athens, 05-09 Sep. 2021, <https://www.rawmat2021.gr/congress/>
2. ILR-SUD 2010 – Co-organiser, 2<sup>nd</sup> International Conference on Indicators for Land Rehabilitation and Sustainable Development, 18-19 Sep. 2010, Beijing, China, <http://www.iccta.cn/ilrsud/en/index.html>
3. “3<sup>rd</sup> International Conference on Advances in Mineral Resources Management and Environmental Geotechnology”, 7-9 Sep. 2009, Athens, Greece, <http://heliotopos.conferences.gr/amireg2009>
4. ILR-SUD 2008 – Co-organiser, 1<sup>st</sup> 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>
5. “2<sup>nd</sup> International Conference on Advances in Mineral Resources Management and Environmental Geotechnology”, 25-27 Sep. 2006, Chania, Crete, Greece, <http://heliotopos.conferences.gr/amireg2006>
6. Geoenvironmental and Geotechnics Workshop, 12-14 Sep. 2005, Milos, Greece, <http://milos.conferences.gr/index.php?id=1751>
7. “1<sup>st</sup> International Conference on Advances in Mineral Resources Management and Environmental Geotechnology”, 7-9 June 2004, Chania, Crete, Greece, <http://heliotopos.conferences.gr/amireg2004>

#### **Member in conference scientific committees**

1. Building Materials Forum, Athens, 13 Dec. 2022, <https://www.buildingmaterialsconference.gr>
2. 13<sup>th</sup> Greek Scientific Conference in Chemical Engineering, 2-4 June 2022, Patras, <https://pesxm13.chemeng.upatras.gr/>
3. 1<sup>st</sup> International Conference “Transdisciplinary Multispectral Modelling and Cooperation for the Preservation of Cultural Heritage”, December 12 – 15, 2021, Athens, Greece, <https://tmm-ch.com>
4. 2<sup>nd</sup> VITROGEOWASTES Conference, May 23-26, 2021, Baeza, Spain, <http://vitrogeowastes.com/>

5. 'Workshop on Water, Wastewater and Environment: Technology, Traditions and Culture' World Water Day 22 March 2021, Patras, Greece, <https://wwetc2021.env.eap.gr/>
6. 6<sup>th</sup> International Symposium on Green Chemistry, Sustainable Development and Circular Economy (Greenchem6), 20-23 September, 2020, Thessaloniki, Greece, <http://greenchem5.civil.auth.gr/>
7. Crete 2020 - 7<sup>th</sup> International Conference on Industrial and Hazardous Waste Management ", Chania, 15-18 Sep. 2020, <http://www.hwm-conferences.tuc.gr/>
8. Open Earth Conference, 12-14 Feb 2020, Thessaloniki
9. 6<sup>th</sup> International Slag Valorisation Symposium, Mechelen, Belgium, 1-5 April 2019, <http://slag-valorisation-symposium.eu/>
10. The Tenth International IWA Symposium on "Waste Management Problems in Agro-Industries-AGRO'2019" in 19-21 June 2019 in Rhodes, <http://agro2019.itu.edu.tr/>
11. Crete 2018 - 6<sup>th</sup> International Conference on Industrial and Hazardous Waste Management ", Chania, 4-7 Sep. 2018, <http://www.hwm-conferences.tuc.gr/>
12. 5<sup>th</sup> International Conference on Small and Decentralized Water and Wastewater Treatment Plants, Aug. 26 to 29, 2018, Thessaloniki, Greece <http://swat5.web.auth.gr/>
13. Co-organizer of the "SYMPOSIUM T3S3: Geopolymers, Inorganic Polymer Ceramics and Sustainable Composites", 12<sup>th</sup> International Conference on Ceramic Materials and Components for Energy and Environmental Applications (CMCEE), Singapore, 22-27 July 2018, <http://www.cmcee2018.org/>, [http://docs.wixstatic.com/ugd/b5356f\\_e3513db015884deb844e4d705f42f8b9.pdf](http://docs.wixstatic.com/ugd/b5356f_e3513db015884deb844e4d705f42f8b9.pdf)
14. International Conference on Alkali Activated Materials and Geopolymers: Versatile Materials Offering High Performance and Low Emissions, May 27-June 1, 2018, Tomar, Portugal, <http://www.engconf.org/conferences/materials-science-including-nanotechnology/geopolymers-ii-versatile-materials-offering-high-performance-and-low-emissions/#header1>
15. Member of International Advisory Panel – 1<sup>st</sup> International Conference "Mining in Europe", Aachen, 18-19 May 2016, <http://www.aims.rwth-aachen.de/>
16. 5<sup>th</sup> International Conference on Industrial and Hazardous Waste Management - Crete 2016, Chania, 27-30 Sep. 2016, <http://www.hwm-conferences.tuc.gr/>
17. Bauxite Residue Valorisation and Best Practices Conference, Leuven, 5-7 Oct. 2015, <http://conference2015.redmud.org/>
18. 4<sup>th</sup> Conference «Green Chemistry and Sustainable Development» Ioannina, 30 Oct.-1 Nov. 2014.
19. 4<sup>th</sup> International Symposium on Green Chemistry for Environment, Health and Development, Sep. 24-26, 2014, Kos island, Greece, <http://www.greenchem4.prd.uth.gr/>
20. International Mineral Processing Congress (IMPC) 2014, 20-24 Oct. 2014, Santiago, Chile, <http://www.impc2014.org/2014/>
21. 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/>
22. 6<sup>th</sup> International Conference "Sustainable Development in the Minerals Industry (SDIMI 13)", 30 June-2 July 2013, Milos, Greece, <http://sdimi2013.conferences.gr/sdimi2013-home.html>
23. 13<sup>th</sup> International Conference of the Geological Society of Greece, 5-8 Sep. 2013, Chania, <http://www.ege13.gr/>
24. International Symposium "Olive oil mill wastes and environmental protection", 16-18 Oct. 2012, Chania, Crete, <http://www.prosodol.gr/Crete2012/?q=node/5>
25. 3<sup>rd</sup> International Symposium on Green Chemistry for Environment and Health, Skiathos, Oct. 3-5, 2012, <http://www.greenchem3.prd.uth.gr/>
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27. INGESUB 2008. Member of the Scientific Committee, International Conference on Subsoil Research, Oviedo, Spain, 10-11 Nov. 2008.

28. Scientific Committee of International Workshop on Geoenvironment and Geotechnics, 8-9 Sep. 2008, Milos, Greece, <http://milos.conferences.gr/geoenv2008>
29. Scientific Committee of 3<sup>rd</sup> International Conference on Sustainable Development Indicators in the Mineral Industries (SDIMI), June 17-20, 2007, Milos, <http://milos.conferences.gr/sdimi2007>
30. 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>
31. Scientific Committee of Mine Water Association Congress 2005 (IMWA '05), 5-8 Sep. 2005, Oviedo, Spain, <http://www.imwa.info/>
32. Scientific Committee of 5<sup>th</sup> 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/>
33. Organizing Committee of 15<sup>th</sup> International Biohydrometallurgy Symposium, IBS, 14-19 Sep. 2003, Athens, <http://www.nereusgroup.gr/congress/ibs2003/>.
34. 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. SCIENTIFIC PUBLICATIONS

### *Books – Chapter in Books*

1. **Komnitsas, K.**, Bartzas, G. (editors) 2021. Alkali Activated Materials: Advances, Innovations, Future Trends, *Minerals*, 11(1), 1 – 5, <https://doi.org/10.3390/min11010075>
2. **Komnitsas, K.** (editor) 2019. Recent Advances in Hydro- and Biohydrometallurgy, (editor), *Minerals*, 9(7), 424, ISBNv978-3-03921-300-9 (PDF), <https://doi.org/10.3390/books978-3-03921-300-9>
3. Doula, M.K., Moreno-Ortego, J.L., Tinivella, F., Inglezakis, V., Sarris, A., **Komnitsas, K.** 2017. Olive Mill Waste: Recent Advances for the Sustainable Management of Olive Oil Industry (ch. 2), in Olive mill waste: recent advances for sustainable management, ed. Ch. Galanakis, ISBN: 9780128053140, p. 29-56.
4. Kamenopoulos, S.N., Agioutantis, Z., **Komnitsas, K.** 2015. A framework for sustainable mining of REEs, in Rear Earths Industry: Technological, Economic, and Environmental Implications, Chapter 7, (eds. Prof. W. Leal, Dr. I. Lima), ISBN-9780128023280, pp. 111-120.
5. **Komnitsas, K.**, Xenidis, A., Papassiopi, N., Angelakis, A. 2014. Evolution of Water and Industrial Wastewater Management in Lavrion, Ch. 25, p.481-492, in *Evolution of Sanitation and Wastewater Technologies Through the Centuries*, eds. A.N. Angelakis, J.B. Rose, IWA Publishing, ISBN: 9781780404844
6. 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.
7. **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
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11. **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, Hellenic Open University, 2003, ISBN: 960-538-372-1.
12. **Komnitsas, K.** (2003). Liquid effluents of the mining-metallurgical industry (Chapter 11, p.p. 177-234), in *Industrial Liquid Effluents*, vol. 2, Hellenic Open University, 2003, ISBN: 960-538-370-5.
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#### **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).

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1. Kontopoulos A., **K. Komnitsas**. Sulphuric acid pressure leaching of Greek laterites, *Mineral Wealth*, 45(1986), 81-90 (in Greek, English summary).
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Metrics:

Scopus: 4272, h-index: **34**

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ISI Web of Knowledge: 3532, h-index: **32**

Scopus Author ID: [6603092010](https://orcid.org/0000-0003-4252-1632)

Web of Science ResearcherID: [AAG-8936-2020](https://orcid.org/0000-0003-4252-1632)

ORCID ID: [0000-0003-4252-1632](https://orcid.org/0000-0003-4252-1632)

#### ***Refereed publications in International Conferences***

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## **6. 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, <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, <http://www.mred.tuc.gr/projects/inwab/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 €, <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, <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>
  42. 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>
  43. 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 funded by General Secretariat of Research and Technology, Project budget: 504,250 €, MWSR TUC budget: 102.500 €, <http://www.durecobel.gr/>
  44. 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 €
  45. Sept. 2011-Aug. 2015. Best practices for agricultural WASTEs (AW) treatment and REUSE in the Mediterranean countries, LIFE+ Environment Policy and Governance 2010, Participants: TUC, Centro de Edafología 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](http://www.wastereuse.eu)
  46. July 2014-June 2016. Development of functional geopolymer – based construction materials for passive cooling of buildings, funded by Salman Bin Abdul-Aziz University, Saudi Arabia, Prof. Komnitsas acts as external expert, budget TUC 8,000 €
  47. Oct. 2012 – Sep. 2017. 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/>
  48. Feb. 2016-Jan. 2020. Metal Recovery from Low Grade Ores and Wastes (Metgrow+), Research and Innovation Action (RIA), H2020 project, funded by the European Commission, 19 participants, coordinator VTT Finland, budget TUC: 437,125 €, <http://metgrowplus.eu/>
  49. Nov. 2017 – Oct. 2019. ENGINEERING and Industry Innovative Training for Engineers, Erasmus+ programme, AGREEMENT NUMBER – 2017-1-CY01-KA202-026728, partners, Technological University Cyprus (coord.), TUC, AALBORG UNIVERSITET, GRANTXPRT CONSULTING LIMITED, CUBEIE L.L.C., LONDON SOUTH BANK UNIVERSITY LBG, Useful Simple Projects Limited, budget 219,655 €, budget TUC 32,086 €, <https://www.enginite.eu/>
  50. Jan. 2018 – Nov. 2020. INVALOR: Research Infrastructure for the Valorization of Wastes and Sustainable Management of Resources, partners: University Patras (coord.), AUTH, AUA, DUTH, Forth Institute of Chemical Engineering Sciences, TUC, funded by the Greek Minister of Economy and Development, budget TUC 700,000 €, <http://www.invalor.org/el/home-gr/>

## **Running**

51. July 2018 – Dec. 2022. Innovative technologies for climate change mitigation by Mediterranean agricultural sector, LIFE17 CCM/GR/000087 (ClimaMed), partners: Benaki Phytopathological Institute (coord.), Centro di Sperimentazione e Assistenza Agricola (IT), ENVITECH (CY), Foundation for Research and Technology Hellas, Green Projects SA, Ministry of Rural Development and Food, Universidad Miguel Hernández de Elche (ES), total project budget 2,859,783 Euro €, TUC budget: 151,111 €, <https://life-climamed.eu/>
52. Sep. 2019-Jan. 2023. Value chains for disruptive transformation of urban biowaste into biobased products in the city context (WaysTUP!), H2020, CE-SFS-25-2018, Innovation action, coordinator SOCIEDAD ANONIMA AGRICULTORES DE LAVEGA DE VALENCIA, budget 11,670,317 €, TUC budget 425,625 € (co-leader), <https://waystup.eu/>
53. Nov. 2020 – Oct. 2023. EURECA – PRO, The European University on Responsible Consumption and Production, partners: Montanuniversitaet Leoben (Austria), Freiberg University of Mining and Technology (Germany), Technical University of Crete (Greece), University of León (Spain), Silesian University of Technology (Poland), University of Petrosani (Romania) and the University of Applied Sciences Mittweida (Germany), budget TUC 850,000 €, <https://www.eurecapro.eu/>
54. Dec. 2020 – Nov. 2023. Application of nano-bubble technologies to mining industry operations, ERA MIN2, partners TUC, Université Laval, Fine Bubble Technologies (Pty) Ltd S. Africa, budget 529,235 €, co-leader TUC, [www.nanoBT.tuc.gr](http://www.nanoBT.tuc.gr)
55. Sep. 2021 (est.) – Aug. 2024. Nanoenabled strategies to reduce the presence of contaminants of emerging concern in aquatic environment (AMROCE), Aquatic Pollutants call 2020, partners: Universitat Politècnica de Catalunya (Spain), BIU (Israel, SINTEF (Norway), University of Milano-Bicocca (Italy), Project sas (Italy), TUC (Greece), VTT Technical Research Centre of Finland Ltd (Finland), Polymemtech (Poland), Budget TUC: 200,000 €, <https://www.nanobt.tuc.gr/en/home>
56. June 2022 – May 2026. Sustainable processing of Europe's low-grade sulphidic and lateritic nickel/cobalt ores and tailings into battery-grade metals [ENICON], Horizon Europe project, funded by the EU, partners KU Leuven (BE, coord.), Aalto Korkeakoulusaatio (FI), The University of Exeter (UK), Vlaamse Instelling voor Technologisch Onderzoek N.V. (BE), Boliden Mineral AB (SE), Boliden Harjaavaltta OY (FI), Glencore Nikkelverk AS (NO), Larco (GR), budget TUC 700,000 €, <https://enicon-horizon.eu/>
57. Jan. 2023 – Dec. 2026. Cost-effective, sustainable and responsible extraction routes for recovering distinct critical metals and industrial minerals as by-products from key European hard-rock lithium projects [EXCEED], Horizon Europe project, funded by the EU, partners VTT (FI), Imerys SA (FR), Caspeo Sarl (FR), Sustainable Innovation Institute (IID-SII) (FR), Keliber Technology Oy (FI), Betolar Oy (FI), Savannah Lithium Limitada (PO), Dynamic & Security Computations SI (DSC) (ES), Wienerberger NV (BE), Université de Lorraine (FR), Katholieke Universiteit Leuven (BE), Geologian Tutkimuskeskus (DK), Oulun Yliopisto (FI), Polytechnio Kritis (GR), Meab Chemie Technik GmbH (DE), budget TUC 840,000 €, proposal accepted with score 15/15 !!
58. Jan. 2023 – Dec. 2026, BIOMass Valorisation via Superheated Steam Torrefaction, Pyrolysis, Gasification Amplified by Multidisciplinary Researchers TRAINing for Multiple Energy and Products' Added VALUEs (BioTRainValue), funded by the EU, Project partner 10108641, Marie Skłodowska-Curie Actions & Support to Experts, A.3 – MSCA Staff Exchanges, partners: Politechnika Lodzka (TUL) (PL), Kemijski Institut (NIC) (SLO), Westsächsische Hochschule Zwickau (WHZ) (DE), Best - Bioenergy and Sustainable Technologies GmbH (BEST) (AT), Muller Abfallprojekte GMBH (MUA) (AT), Aps-Ekoinnowacje Spolka z Ograniczona Odpowiedzialnoscia (APS) (PL), Arigna Fuels Unlimited Company (AF), (IE), budget 994 k€, budget TUC 110 k€, co-leader TUC.