



Publications of Georgios N. Anastassakis

Scientific Papers:

1. **G.N. Anastassakis**, 1989. Contribution in the beneficiation of the unaltered phosphate rock of Epirous area (Greece), PhD Thesis, Dept. Mining and Metallurgical Engineering, NTUA.
2. **G.N. Anastassakis** and A.Z. Frangiskos, 1990. Heavy liquid analysis of the unaltered phosphate rock of Epirous area (Greece), *Mineral Wealth Journal*, 65, pp. 51 – 57 (in Greek with extended English summary).
3. **G.N. Anastassakis**, 1990. Influence of starch on phosphate rock flotation by using sodium oleate collector, *Mining and Metallurgical Annals*, 74, pp. 15 – 24 (in Greek with English abstract).
4. **G.N. Anastassakis**, 1990. Zeta-potential and its applications on Mineral Processing, *Mining and Metallurgical Annals*, 75, pp. 29 – 40 (in Greek with English abstract).
5. **G.N. Anastassakis**, 1992. Influence of sodium silicate (as calcite depressant) on phosphate rock flotation using sodium oleate collector, *Mineral Wealth J.*, 79, pp. 55 – 66 (in Greek with extended English summary).
6. **G.N. Anastassakis**, 1993. Influence of hydrodynamics on rougher flotation of antimonite, *Mining and Metallurgical Annals*, 3(2-3), pp. 51 – 64 (in Greek with English summary).
7. **G.N. Anastassakis** and G. Stamboltzis, 1993. Hydrodynamics of flotation cells with external air blow, *Mining and Metallurgical Annals*, 3(1), pp. 39 – 53 (in Greek with English summary).
8. Anders M., J. Burchardt, E. Reicherz, J. Spiekermann, C. Fotakis, S. Couris, J. Hadjinikolaidis, E. Frogoudakis, **G. Anastassakis**, A. Polydorou, T. El. Gammal, K. Mavrommatis, D.C. Papamantellos, G.N. Angelopoulos, D. Diamantopoulos, N. Diamianakis, E. Diakoumakos, A. Enotiadis, A. Fitas, 1993: “Development of an Automatic System for Controlling the Process of Metal Recovery from Slags” E.C. Contractors’ Workshop on Processing and Recycling, Delfi, November 2-5, 1993, 31-51.
9. **G.N. Anastassakis**, E.P. Chamma and A.Z. Frangiskos, 1995. A study on the beneficiation of Milos island (Greece) volcanic tuff for the production feldspar and barite concentrate by using flotation and magnetic separation methods, *Mineral Wealth J.*, 95, pp. 7 – 16 (in Greek with extended English summary).
10. **G.N. Anastassakis** and D. Tamam, 1997. Removal of ions from industrial and municipal waste waters by flotation methods – Application on the removal of lead, in: *Chemistry, Energy and the Environment*, C.A.C. Sequeira and J.B. Moffat (Eds.), The Royal Society of Chemistry, Cambridge, UK, pp. 435 – 445.
11. **G.N. Anastassakis**, E. Zafiriadou and H. Iskou, 1998. Physicochemical behavior of minerals during chromite flotation with fatty acids, Honorary volume in the memory Prof. K. Konofagos, NTUA Press, pp. 177 – 185 (in Greek with English summary).

12. **G.N. Anastassakis**, 1999. A study on the separation of magnesite fines by magnetic carrier methods, *Colloids and Surfaces – A: Physicochemical and Engineering Aspects*, 149, pp. 585 – 593.
13. E. Chammas, Em. Hondrellis, H. Iskou, D. Tamam, **G.N. Anastassakis**, A.Z. Frangiskos and Em. Frogoudakis, 1999. A study on the beneficiation of lignite of Servia area (Kozani, Northern Greece) by heavy media separation, *Mineral Wealth J.*, 112, pp. 17 – 28 (in Greek with extended English summary).
14. **G.N. Anastassakis**, 1999. Mineral processing techniques and environmental protection, *Mineral Wealth J.*, 113, pp. 33 – 46 (in Greek with extended English summary).
15. E. Chammas, Em. Hondrellis, **G.N. Anastassakis** and A.Z. Frangiskos, 2000. A study on the beneficiation of coal from Servia area (Kozani, Northern Greece) by jigging and tabling, *Mineral Wealth J.*, 115, pp. 17 - 28 (in Greek with extended English summary).
16. **G.N. Anastassakis**, 2000. Hydrodynamics of conventional flotation cells with external air blow and its effect on metallurgical results, *XXI IMPC Proceedings*, P. Massacci (Editor), Elsevier, Amsterdam, Vol. B, pp. 64 – 70.
17. **G.N. Anastassakis**, 2001. Fine particles separation by using physicochemical methods, Honorary volume in the memory Prof. J. Papageorgakis, pp. 17 - 34.
18. E. Chammas, D. Pantias, M. Taxiarchou, **G.N. Anastassakis** and I. Paspaliaris, 2001. Removal of iron and other major impurities from silica sand for the production of high added value materials, *Proceedings IX Balkan Mineral Processing Congress “New Developments in Mineral Processing”*, G. Önal, S. Atak, A. Güney, M. Celik, A.E. Yüce (Eds.), pp. 289 – 295.
19. E. Chammas, H. Iskou, Em. Hondrellis, D. Tamam, **G.N. Anastassakis**, A.Z. Frangiskos and Em. Frogoudakis, 2001. Beneficiation of Greek lignite. The case of the lignite deposit of Servia area (Kozani, Macedonia – Greece), extension of the *Proceedings IX Balkan Mineral Processing Congress “New Developments in Mineral Processing”*, G. Önal, S. Atak, A. Güney, M. Celik, A.E. Yüce (Eds.), pp. 711 - 720.
20. **G. Anastassakis**, 2002. Design of an integrated resource management system for total resource recovery. Technical/ Economical problems and future perspectives, *Proceedings TMS Fall 2002 Congress on Recycling and Waste Treatment in Mineral and Metal Processing: Technical and Economic Aspects*, B. Bjorkman, C. Samuelsson, J-O Wiksström (Eds.), Vol. 1, pp. 199 – 208.
21. C.A.C. Sequeira, N.R. Sousa, R.P.C. Neto and **G. Anastassakis**, 2002. Electrochemical oxidation of hydrosulphide ions in aqueous media, *TMS Fall 2002 Congress on Recycling and Waste Treatment in Mineral and Metal Processing: Technical and Economic Aspects*, B. Bjorkman, C. Samuelsson, J-O Wiksström (Eds.), Vol. 1, pp. 663 – 670.
22. **G.N. Anastassakis**, 2002: Separation of fine mineral particles by selective magnetic coating, *J. Colloid and Interface Science*, 256(1), pp. 114 - 120.
23. **G.N. Anastassakis** and Charis Dolgyras, 2003: Quartz recovery from the tailings of nickeliferous laterite processing, *Proceedings X Balkan Mineral Processing Congress “Mineral Processing in the 21st Century”*, L. Kuzev, I. Nishkov, A. Boteva and D. Mochev (Eds.), pp. 676-681.
24. P. Somasundaran, J. Wang, Z. Pan, D.R. Nagaraj, T. Chen and **G. Anastassakis**, 2003: Interactions of gum depressants with talc: Study of adsorption by spectroscopic and allied techniques, *Proceedings XXII IMPC*, Vol. 2, pp. 912 - 919.
25. **G.N. Anastassakis**, 2003: Physicochemical behavior of chromite and olivine during flotation with anionic collectors, *XXII International Mineral Processing Congress*, Cape Town, S. Africa, September 28 – October 3, 2003. (Oral-Poster Presentation)
26. **G.N. Anastassakis**, 2004: Beneficiation of the Greek lignites, *Coal Preparation*, Vol. 124, issues 1-2, pp. 19-34.

27. C.A.C. Sequeira and **G.N. Anastassakis**, 2004: Solid-state electrochemical sensors for the metallurgical industry, *Mineral Wealth*, issue 131, p. 47-55.
28. **G.N. Anastassakis**, K. Karageorgiou and M. Paschalis, 2004: Removal of phosphate species from solution by flotation, *Proceedings of REWAS '04, Global Symposium on Recycling, Waste Treatment and Clean Technology*, I. Gaballah, B. Mishra, R. Solozabal and M. Tanaka (Eds.), TMS-Inasmet, Volume II, pp. 1147-54.
29. C.A.C. Sequeira, Y. Chen and **G. Anastassakis**, 2004: Galvanostatic oxidation of high TOC plating bath, *Proceedings of REWAS '04, Global Symposium on Recycling, Waste Treatment and Clean Technology*, I. Gaballah, B. Mishra, R. Solozabal and M. Tanaka (Eds.), TMS - INASMET, Volume II, pp. 1117-24.
30. C.A.C. Sequeira, Y. Chen and **G. Anastassakis**, 2004: Electrochemical reduction of Vanadium (V) ions in aqueous solution, *Proceedings of REWAS '04, Global Symposium on Recycling, Waste Treatment and Clean Technology*, I. Gaballah, B. Mishra, R. Solozabal and M. Tanaka (Eds.), TMS - INASMET, Volume III, pp. 2197-2204.
31. **G.N. Anastassakis**, 2005. The physico-chemistry of flocculation with polyelectrolytes, Honorary volume to Prof. A.Z. Frangiskos, pp. 113-128 (in Greek with English abstract).
32. **G.N. Anastassakis**, 2005: Physicochemical factors affecting flocculation of pre-reduced nickeliferous laterite suspension, *Separation and Purification Technology*, 45, pp. 16-24.
33. C.A.C. Sequeira, R.F. Lobo and **G.N. Anastassakis**, 2005: A study of the Redox chemistry of anthraquinone 2.7-disulphonate, *Proceedings of the 1st International Conference on Diffusion in Solids and Liquids (DSL-2005)*, A. Ochster, J. Gracio and F. Barlat (Eds.), University of Aveiro, Portugal, 6-8 July, Vol. II, pp. 655-658.
34. C. Dolgyras, **G.N. Anastassakis**, K. Kavouridis, N. Koukouzas, E. Kakaras and F. Pavloudakis, 2005: Demineralization of Greek lignite from Ptolemais and Florina, North Greece, *Proceedings of International Conference on Coal Science and Technology (ICCST)*, Okinawa, Japan, paper 3P202, October 2005.
35. C.A.C. Sequeira, R.F. Lobo and **G.N. Anastassakis**, 2006: Electrochemical reduction of AQ2.7DS in aqueous solution, *Materials Science Forum*, Vol. II, pp.
36. M.B. Frangiskos, **G.N. Anastassakis** and A.Z. Frangiskos, 2006: Electro-osmotic dewatering of red mud slurry, in: *Proceedings of XXIII IMPC*, G. Onal et al (Eds.), Vol. 2, pp. 1667-71.
37. K. Karageorgiou, M. Paschalis and **G.N. Anastassakis**, 2007: Removal of phosphate species from solution onto calcite used as natural adsorbent, *Journal of Hazardous Materials*, A139, pp. 444-452.
38. E. Hristoforou, **G.N. Anastassakis**, K. Efthymiades, 2007: Selective magnetic separation by means of temperature and frequency, in: *Proceedings XII Balkan Mineral Processing Congress (BMPC)*, G.N. Anastassakis (Ed.), pp. 161-166.
39. Y. Chen, **G.N. Anastassakis**, C.A.C. Sequeira, 2007: Chemical metathesis of chalcopyrite in sulfuric acid, in: *Proceedings XII Balkan Mineral Processing Congress (BMPC)*, G.N. Anastassakis (Ed.), pp. 517-521.
40. C.A.C. Sequeira, **G.N. Anastassakis**, 2007: Potential-pH diagram for the sulfur-water system at ambient temperature, in: *Proceedings XII Balkan Mineral Processing Congress (BMPC)*, G.N. Anastassakis (Ed.), pp. 615-619
41. C.A.C. Sequeira, D.M. Santos, Y. Chen, **G. Anastassakis**, 2008: Chemical metathesis of chalcopyrite in acidic solutions, *Hydrometallurgy*, 92, pp. 135-140.
42. **G. Anastassakis**, C.A.C. Sequeira, 2008: Electrochemical and analytical surface studies of silver deposition for industrial electroplating, *Materials Science Forum*, Vols. 587-588, pp. 829-833.

43. N. Tsoni, **G.N. Anastassakis**, 2008: Fine particles separation through hydrophobic agglomeration. Application on the system magnesite/quartz, Proceedings XXIV IMPC, Beijing, China, 23-28 Sept. 2008.
44. **G.N. Anastassakis**, N. Georgiou, 2008: Purification of oil-contaminated soil by flotation, Proceedings REWAS 2008, Cancun, Mexico, 12-15 October 2008.
45. K. Karageorgiou, M. Paschalis, **G.N. Anastassakis**, 2009. Removal of orthophosphate species from aqueous solution with flotation using dodecylamine collector, Proceedings of XIII Balkan Mineral Processing Congress, Eds. S. Krausz, L. Ciobanu, N. Cristea, V. Ciocan, G. Christae, Publisher Focus – Petrosani, Romania, Vol. 1, pp. 227-233.
46. M. Panayotova, P. Pavlov, V. Panayotov, **G. Anastassakis**, M. Koutsoukos, 2009: Education on waste processing and recycling, Proceedings of XIII Balkan Mineral Processing Congress, Eds. S. Krausz, L. Ciobanu, N. Cristea, V. Ciocan, G. Christae, Publisher Focus – Petrosani, Romania, Vol. 2, pp. 964-969.
47. **G.N. Anastassakis**, 2009. Mineral Processing reality in Greece: Current industrial activities and education, Revista Minelor Journal, Vol. 15, No 4-5, pp. 22-26.
48. **G.N. Anastassakis**, 2009. Mineral resources conservation through improving fine particles recovery with Mineral Processing methods, Proceedings of The 3rd International Seminar ECOMINING – Europe in the 21st Century, Milos Island, Greece, 4-5 September 2009, pp. 85-94.
49. **G.N. Anastassakis**, 2010. Coal deposits in Greece – Current status and prospects for coal preparation, CPSA Journal - The Magazine by the Coal Preparation Society of America, 9(1).
50. **G.N. Anastassakis**, 2011. Hydrodynamic Modeling and Optimization of Processes in Flotation Cells with External Air-blow, Knovel, Engineering Cases – Where Theory Meets Practice, <http://engineeringcases.knovelblog.com> (4-2-2011)
51. G. Raftopoulos, G. Katsoulas, **G.N. Anastassakis**, 2012. Pilot implementation of separate municipal solid waste collection system in Greek Universities. Application at National Technical University of Athens (NTUA), Proceedings of International Conference on Sustainable Solid Waste Management, June 28-29 2012, Athens, Greece.
52. E. Dimopoulos, **G.N. Anastassakis**, 2013. Recovery of magnesite from waste material rejected before hand-sorting, Proceedings of XV Balkan Mineral Processing Congress, Sozopol, Bulgaria, 12-16 June 2013.
53. **G.N. Anastassakis**, 2013. Relationship between phosphates mineralogy and mineral processing – The case of Greece. Bulletin of the Geological Society of Greece, vol. XLVII 2013, Proceedings of the 13th International Congress, Chania, Greece, 5-8 Sept. 2013.
54. M. Tsezos, **G. Anastassakis**, V. Kapsimalis, N. Xirokostas, 2014. Management of dredged material in Greek ports and its disposal at the sea, Proceedings 6th Pan-Hellenic Congress of Harbour Works. Lab of Harbour Works, School of Civil Engineering, November 11-14, 2014, Athens, 10p.
55. **G.N. Anastassakis**, 2014. Separation of mineral fine particles, Proceedings of 14th International Mineral Processing Symposium, 15-17 October 2014, Kusadasi, Turkey, U. Ipekoglu, V. Arslan, S. Sen (eds.), pp. 27-34.
56. **G. Anastassakis**, 2014. On the processing of fine mineral particles: A review, The Journal of Ore Dressing, 16(32), pp. 1-10.
57. **G.N. Anastassakis**, 2015. Feldspar-containing rocks of Greece: Mineralogical characteristics and processing flow-sheets, Proceedings of XVI Balkan Mineral Processing Congress, Belgrade, Serbia, 17-19 June 2015, N. Calic, L. Andric, I. Milanovic, I. Simovic (eds), pp. 565-572.

58. **G. Anastassakis**, P. Bevilacqua, L. De Lorenzi, 2015. Recovery of residual copper from low-content tailings derived from waste electrical cable treatment, *International Journal of Mineral Processing*, 143, pp. 105-111.
59. N. Georgiou, **G.N. Anastassakis**, 2016. Decontamination of diesel-polluted soil through flotation, *Environmental Engineering & Management Journal (EEMJ)*, 15(2), pp. 381-388.
60. **G.N. Anastassakis**, 2016. Amenability of representative Greek lignite deposits to beneficiation. An overview, *Proceedings XVIII International Coal Preparation Congress*, 28 June-01 July 2016, St. Petersburg, Russia, Springer, vol. 2, pp. 803-808.
61. J. Rubinstein, A. Swanson, M. Holuszko, Z. Shaoqiang, D. Ziaga, **G. Anastassakis**, L. Bokanyi, R.K. Sachdev, N. Bekturganov, E. Abduldinov, I. Baic, W. Blaschke, G.J. de Korte, G. Ozbayoglu, D. Jenkinson, M. Laurila, S. Vorobev, 2016. Coal preparation in the World – current status and global trends: A review, *Mining Journal*, June 2016, pp. 1-60.
62. G. Bimpilas, **G.N. Anastassakis**, 2016. Magnetic separation of fine gangue minerals from magnesite as hydrophobic co-agglomerates, Paper No 338, *XXVIII International Mineral Processing Congress Proceedings - ISBN: 978-1-926872-29-2*, Published by the Canadian Institute of Mining, Metallurgy and Petroleum.
63. C.-M. Katsari, **G.N. Anastassakis**, 2016. Copper recovery from electric cable scrap by shaking tables, Paper No 339, *XXVIII International Mineral Processing Congress Proceedings - ISBN: 978-1-926872-29-2*, Published by the Canadian Institute of Mining, Metallurgy and Petroleum.
64. **G.N. Anastassakis**, 2016. Waste management from mineral processing operations: The case of phosphate rocks, *Proceedings of International Solid Waste Association*, 19-21 September 2016, Novi Sad, Serbia.
65. M. Sakaroglou, **G.N. Anastassakis**, 2017. Nickel recovery from electric arc furnace slag by magnetic separation, *Journal of Mining and Metallurgy, Section A: Mining*, 53(1), pp. 3-15.
66. **G.N. Anastassakis**, C.A.C. Sequeira, 2018. Agglomeration-assisted separation of fine value mineral particles from mineral gangue, Paper no 629, *XXIX International Mineral Processing Congress Proceedings, Moscow, September 15-21, 2018*.
67. C.A.C Sequeira, **G.N. Anastassakis**, 2018. Gas bubbling in copper electrowinning from cuprous chloride solutions, Paper no 630, *XXIX International Mineral Processing Congress Proceedings, Moscow, September 15-21, 2018*.
68. S. Karamoutsos, A. Stergiou, E. Remoundaki, S. Agatzini-Leonardou, **G.N. Anastassakis**, P. Oustadakis, P. Kousi, A. Chatzikiosegian, P. Tsakiridis, and M. Tsezos, 2018. Integrated method of hydrometallurgical metal recovery and waste waters biological treatment with zero emissions, 6th International Conference on Industrial and Hazardous Waste Management, 4-7 September, 2018, Chania, Crete.
69. G.-M. Bimpilas, **G.N. Anastassakis**, 2020. Magnesite beneficiation methods: A review, *Sustainable Extraction and Processing of Raw Materials Journal*, 1, pp. 14-20.
70. P.M. Angelopoulos, N. Koukoulis, **G. Anastassakis**, M. Taxiarchou, 2020. Preliminary study on the separation of the components from aluminum spent pot lining (SPL) through heavy liquid tests, to be published in the *Proceedings of the 3rd International Bauxite Residue Valorization and Best Practices Conference*, 28 September – 2 October, 2020 (virtual conference).
71. Angelopoulos P.M., Koukoulis N., **Anastassakis G.N.**, Taxiarchou M., Paspaliaris I., 2021. Selective Recovery of Graphite from Spent Potlining (SPL) by Froth Flotation. *Journal of Sustainable Metallurgy*. 2021; 7: 1589-1602. <https://doi.org/10.1007/s40831-021-00453-0>

72. E. Evangelou, **G.N. Anastassakis**, S.-D. Karamoutsos and A. Stergiou, 2021. Components' Characterization of End-of-Life Dishwashers, *Mater. Proc.* **2021**, 5(1), <https://doi.org/10.3390/materproc2021005084>
73. N. Koukoulis, **G.N. Anastassakis**, 2022. Reprocessing of Magnesite Beneficiation-Waste to Recover Mineral Value and Minimize Environmental Footprint, *Sustainable Extraction and Processing of Raw Materials Journal*, pp. 49-55.
74. G. Tsekeris, **G.N. Anastassakis**, 2022. Municipal Solid Waste-to-Energy in EU-27 towards a Circular Economy, *Recycling and Sustainable Development*, 15, pp. 83-96.
75. Angelopoulos P.M., Koukoulis N., **Anastassakis G.N.**, Taxiarchou M., 2022. Preliminary study on the separation of the components from aluminum spent pot lining (SPL) through heavy liquid tests. In: *Proceedings of the 3rd International Conference BR2020 Bauxite Residue Valorization and Best Practices Conference*. Virtual Conference; pp. 163–9.
76. Angelopoulos P.M., **Anastassakis G.**, Kountouris N., Koukoulis N., Taxiarchou M., 2023 Combined use of organosolv lignin and xanthates on sphalerite flotation from mixed sulphides. In: *Proceedings of the XV International Mineral Processing and Recycling Conference*. Belgrade, Serbia; 2023. DOI: <https://doi.org/10.5281/zenodo.8073380>
77. Angelopoulos P.N., Kountouris N., **Anastassakis G.**, Taxiarchou M., 2023. Partial replacement of xanthate by organosolv lignin on pyrite/arsenopyrite flotation. In: *Proceedings of the XV International Mineral Processing and Recycling Conference*. Belgrade, Serbia; 2023. DOI: 10.5281/zenodo.8073418
78. Koukoulis, N., **Anastassakis**, G.N. 2023. Coal mining in Greece: Current condition and future trends, *Proceedings of XX International Coal Preparation Congress-Advancing Technology Beyond Best Practice*, Ed. D. Mathewson, Australian Coal Preparation Society Ltd., paper 7A, pp. 249-257.
79. Angelopoulos P.M., **Anastassakis G.**, Kountouris N., Taxiarchou M., Koutsotheodorou E., Pefkos T., Klepkos V., Samara C., Mprokos G., 2023 Flotation of Sulphide Minerals Using Organosolv Lignin as Collector — Pilot-Scale Trials. *Material Proceedings*. 2023; 15, 81. <https://doi.org/10.3390/materproc2023015081>
80. Razis A., **Anastassakis G.N.**, 2023. Establishment of Deposit Refund System in Greece for PET bottles: Economic Analysis, Benefits and Impacts, *Recycling and Sustainable Development*, 16, pp. 51-66.
81. Evangelou, E.; Anastassakis, G.N.; Karamoutsos, S.-D.; Stergiou, 2023. A. Recovery of Stainless Steel from End-of-Use Dishwashers, *Mater. Proc.*, 15, <https://doi.org/10.3390/materproc2023015057>.
82. Triantafyllidis, S.S., **Anastassakis, G.**, Papanastasiou, A., Stylianou, C., Kavros, N., Pappa, F.K., Tombros, S.F., Fitros, M. & Skliros, V., 2024. Provenance of coastal and seabed sediments relative to mining and processing wastes: the case of Lavrion, Attiki Peninsula, Greece. *Minerals*, 14, 33. <https://doi.org/10.3390/min14010033>.
83. Koukoulis, N., Anastassakis G.N., 2024. Mineral Processing Technologies and Equipment to Separate Fine/Ultrafine Mineral Values. A Review, Multi-authored monograph “Modern forms of development of resource-saving technologies for minerals, mining and processing”, UNIVERSITAS Publishing, pp. 71-85, doi: 10.31713/m1306.
84. Koukoulis, N., Anastassakis G.N., 2024. Recovery of mineral fines through hydrophobic agglomeration processes, Invited paper for the Special Issue: Sustainable Mining and Processing of Mineral Resources, Sustainability, Publisher mdpi (under review).
85. X. Simos, M. Papageorgiou, I. Kitsou, M. E. Mamassi, T. Gikarakis, A. Ekonomakou, A. Amanatidis, G. N. Anastassakis, A. Tsetsekou, 2024. Composite lightweight materials with upgraded physicochemical functionality and improved economic feasibility, *Materials Proceedings* (accepted for publication).

Books, Chapters in Books and other Contributions:

1. **G.N. Anastassakis**, 2018. Solid Waste Separation and Processing – Principles and Equipment, Chapter in: Handbook of Environmental Engineering, Myer Kutz (Ed.), J. Wiley & Sons
2. **G.N. Anastassakis**, 2012. Fine/Ultrafine Mineral Particles Separation through Hydrophobic Agglomeration, Encyclopedia of Colloids and Surfaces, P. Somasundaran (ed.), Taylor & Francis, pp. 1-22, DOI: 10.1081/E-ESCS-120047358.
3. **G.N. Anastassakis**: a) Mineral processing methods, with special emphasis on tailings production and water management. Chapter 2.4 Phosphate processing, pp. 105-120 and b) Parameters, Chapter 7.3 Phosphate processing, p. 379, in: Tailings Management Facilities, T. Meggyes, K.E. Roehl, D. Dixon-Hardy (eds.), EPP Publications Ltd, 2008.
4. **G.N. Anastassakis**, Solid Waste Disposal and Recycling, Chapter 11, in: Handbook of Environmentally Conscious Materials and Chemical Processing, Myer Kutz (Ed.), J. Wiley & Sons, 2007, pp. 307-355.
5. N. Tsoni, M. Koutsoukos, **G.N. Anastassakis**, 2008. Separate Collection of Waste and its Recycling, pp. 41-76. European Lifelearning Project 2007-13 Leonardo da Vinci entitled “Valid for Europe E-learning Education in Sustainability – Waste Collection and Recycling of Plastics for the Environmental Protection” (LLP-LDV-TOI-07-BG-166-023).
6. N. Tsoni, M. Koutsoukos, **G.N. Anastassakis**, 2009. a) Health and Safety, b) Sustainability, pp. 1-39. European Life-learning Project 2007-13 Leonardo da Vinci entitled “Valid for Europe E-learning Education in Sustainability – Waste Collection and Recycling of Plastics for the Environmental Protection” (LLP-LDV-TOI-07-BG-166-023).
7. **G.N. Anastassakis**, “Solid Waste Recycling” (in Greek), NTUA Press, 2001, p. 156.
8. **G.N. Anastassakis**, “Physical Chemistry of Surfaces” (in Greek), NTUA Press, 1990, p. 142.
9. **G.N. Anastassakis**, teaching material on: a) Comminution, b) selected topics of Mineral Processing and c) Coal Beneficiation, 1989-90.

International Congresses and Seminars (selected):

1. Innovations on Advanced Flotation Technology (NATO-ASI Seminar, Greece, 1991).
2. 4th Seminar E.C. Workshop on Mineral Processing, Extractive Metallurgy and Recycling (Greece, 1993).
3. Mineral Processing and Environment: Improving the quality of our life (NATO-ASI Seminar, Varna - Bulgaria, 1996).
4. Assessment and Promotion of the use of the new technologies on European Lignites and Brown Coal (THERMIE Workshop, Greece, 1997).
5. 3rd European Workshop on Chemistry, Energy and the Environment (Estoril – Portugal, 1997). Paper presentation entitled “Removal of ions from industrial and municipal waste waters by flotation methods – Application on the removal of lead” (included in the Proceedings)
6. 9th Intern. Congress on Surface and Colloid Science (Sofia - Bulgaria, 1997). Paper presentation entitled “Study on the separation of magnesite fines by magnetic carrier methods (published in: Colloids and Surfaces A – Physicochemical and Engineering Aspects).
7. NATO Advanced Research Workshop on “Application of Natural Microporous Materials to the Environmental Technology” (Smolenice – Slovakia, 1998).

8. XXI International Mineral Processing Congress (Rome – Italy, 2000). Paper presentation entitled “Hydrodynamics of conventional flotation cells with external air blow and its effect on metallurgical results”.
9. 13th International Symposium on Surfactants in Solution (SIS-2000) (Florida – USA, 2000). Paper presentation entitled “Separation of fine mineral particles by selective magnetic coating”.
10. Workshop “New Deal for Recycling” (Rome – Italy, 2001). **Invited paper presentation** entitled “Design of an integrated resource management system for raw materials conservation. Present status and incentives for future research”.
11. IX Balkan Mineral Processing Congress, Istanbul 11 – 13 September 2001. Paper presentation entitled “Beneficiation of Greek lignites. The case of the lignite deposit of Servia area (Kozani, Macedonia – Greece) and co-author in another paper.
12. TMS Fall 2002 Extraction and Processing Division Meeting on Recycling and Waste Treatment in Mineral and Metal Processing: Technical and Economic Aspects, 16 – 20 June 2002, Lulea, Sweden. Paper presentation and co-author in another paper.
13. Technical Univ. of Cape Town, Dec. 2001. Co-author in the invited lecture by Prof. P. Somasundaran entitled “Interactions of gum depressants with talc: Study of adsorption by spectroscopic and allied techniques”.
14. XXII International Mineral Processing Congress, Cape Town, S. Africa, September 28 – October 3, 2003. Paper Presentation entitled “Physicochemical behavior of chromite and olivine during flotation with anionic collectors”. (Oral-Poster Presentation)
15. REWAS 2004 – Global Symposium on Recycling, Waste Treatment and Clean Technology, Madrid, Spain, September 26 – 29, 2004. Paper Presentation entitled “Removal of phosphate species from solution by flotation.
16. 1st International Conference on Engineering for Waste Treatment, Beneficial Use of Waste and By-products “WasteEng2005”, Albi, Γαλλία, 16-18 May 2005. Paper Presentation entitled “Removal of phosphate species from solution onto calcite used as natural adsorbent”. (Selected for publication in Journal of Hazardous Materials)
17. XXIII International Mineral Processing Congress, Istanbul, Turkey, September 3-8, 2006. Paper Presentation entitled “Electro-osmotic dewatering of red mud slurry”.
18. XII Balkan Mineral Processing Congress, Delphi, Greece, June 10-14, 2007 (**Congress Chairman**).
19. 2nd International Conference on Engineering for Waste Valorization “WasteEng2008”, 3-5 June 2008, Patras, Greece. Poster presentation entitled “Electro-dewatering of red mud slurry for waste volume reduction and solids valorization”.
20. XXIV International Mineral Processing Congress, Beijing, China, September 23-28, 2008. Paper Presentation entitled “Fine particles separation through hydrophobic agglomeration. Application on the system magnesite/quartz”.
21. REWAS 2008 – Global Symposium on Recycling, Waste Treatment and Clean Technology, Cancun, Mexico, October 12 – 15, 2008. **Keynote Lecture** entitled “Purification of oil-contaminated soil by flotation”.
22. XIII Balkan Mineral Processing Congress, Bucharest, Romania, 14-17 June 2009, Paper Presentation entitled “Removal of orthophosphate species from aqueous solution with flotation using dodecylamine collector”.
23. **Invited speaker** in the following 10 Seminars **organized by FORGEA International (ITALY)** - Training and Cooperation Centre in the field of Geomining and Environment:
 - a) Sardinia, Italy: October 2010, December 2011, March 2012, October 2012, and May 2013
 - b) Eski-Sehir, Turkey, March 2011, and November 2013
 - c) Marakesh, Morocco, November 21-23, 2011,
 - d) Hammamet, Tunisia: February 2013, and February 2014.
 The topics developed were the following: Integrated pollution prevention in industry; Land

- contamination from mining operations: Prevention strategies and polluted sites management; Industrial waste characterization; Tailings management from mineral processing operations: I. Dam design, safety and legislation items, and II. Application on waste from phosphate rock beneficiation; Energy production: renewable vs. non-renewable sources; Industrial and municipal solid waste; Waste management: disposal and treatment; Primary raw materials used in ceramic industry: minerals, specifications and beneficiation methods; ceramic production steps and fundamentals.
24. XV Balkan Mineral Processing Congress, Sozopol, Bulgaria, 12-16 June 2013, oral presentation entitled: Recovery of magnesite from waste material rejected before hand-sorting.
 25. 13th International Geological Congress, Chania, Greece, 5-8 Sept. 2013, oral presentation entitled: Relationship between phosphates mineralogy and mineral processing – The case of Greece.
 26. **Invited speaker** in the 14th International Mineral Processing Symposium, 15-17 October 2014, Kusadasi, Turkey. Title of presentation: Separation of mineral fine particles.
 27. **Invited speaker** in the 9th International Industrial Minerals Symposium, 14-15 May 2015, Izmir, Turkey. Title of presentation: Phosphate as an industrial mineral: applications, mineralogy and processing methods.
 28. XVI Balkan Mineral Processing Congress, Belgrade, Serbia, 17-19 June 2015, poster presentation: Feldspar-containing rocks of Greece: Mineralogical characteristics and processing flow-sheets.
 29. XVIII International Coal Preparation Congress, 28 June-01 July 2016, St. Petersburg, Russia, oral presentation entitled: Amenability of representative Greek lignite deposits to beneficiation. An overview.
 30. XXVIII IMPC, 11-15 September 2016, Quebec City, Canada: a) oral presentation entitled: Magnetic separation of fine gangue minerals from magnesite as hydrophobic co-agglomerates, b) poster presentation entitled: Copper recovery from electric cable scrap by shaking tables.
 31. **Invited speaker** in the International Solid Waste Association (ISWA) 2016, 19-21 September 2016, Novi Sad, Serbia, Title of presentation: Waste management from mineral processing operations: The case of phosphate rocks.
 32. E. Evangelou, G.N. Anastassakis, S. - D. Karamoutsos, A. Stergiou, “Waste from Electrical Equipment: Characterization of Recycled Dishwashers”, full paper submitted and published in the Proceedings of 7th International Conference on Industrial and Hazardous Waste Management, Chania, Crete, 27-30 July 2021. Oral presentation.
 33. E. Evangelou, G.N. Anastassakis, S. - D. Karamoutsos, A. Stergiou, International Conference on Raw Materials and Circular Economy (RawMat 2021), Athens, September 05-09, 2021, Poster Presentation.
 34. E. Evangelou, G.N. Anastassakis, S. - D. Karamoutsos, A. Stergiou RawMat2023 - 2nd International Conference on Raw Materials and Circular Economy, “Raw Materials: setting the foundations for the Green Transition”, Athens, Greece, 28 Aug – 02 Sept 2023, Poster Presentation.
 35. Angelopoulos P.M., Oustadakis P., Anastassakis G., Georgiou M., Kountouris N., Taxiarchou M. Hydrothermal Treatment of Bauxite Residue for Iron Recovery Enhancement by Magnetic Separation. In: XV International Mineral Processing and Recycling Conference (IMPRC23), Poster Session, Belgrade, Serbia; 2023.

Conferences with published abstracts

1. Angelopoulos P.M., Oustadakis P., **Anastassakis G.**, Taxiarchou M., Pissas M. Pretreatment and magnetic separation of bauxite residue for enhanced recovery of valuable metals. VI Mineral Engineering Conference MEC. Wisla, Poland; 2023
2. Angelopoulos P.M., Oustadakis P., Koukoulis N., Taxiarchou M., **Anastassakis G.**, Paspaliaris I. Two-stage processing of bauxite residue towards the recovery of residual Al and the production of Fe- and REE-rich concentrates through magnetic separation. Physical Separation '22, May 9-11, 2022 Online
3. Angelopoulos P.M., Hruzova K., Yang X., Koukoulis N., Matsakas L., **Anastassakis G.**, Christakopoulos P., Rova U., Taxiarchou M. Partial substitution of conventional collectors with lignin bio-collector for the selective recovery of apatite and REE from low grade phyllosilicate ore. Flotation '21, Online 2021

National Symposia

1. Savvidis, S., Katsanos, E., Gavros, K., Haitidis, G., Vasiliadis, B., Goudoulas, K., Anastassakis, G., Pretz, Th., Gaydarziev, St.: ANA.DY.MA. – Recovery of valuable raw materials and energy through utilizing the unused mineral processing facilities in Western Macedonia. Symposium Archimedes, Florina (Western Macedonia, Greece), 29 November 2007.
2. Savvidis, S., Katsanos, E., Gavros, K., Haitidis, G., Vasiliadis, B., Goudoulas, K., Anastassakis, Pretz, Th., Gaydarziev, St.: Economic and Technical study on solid waste treatment facilities. Symposium Archimedes, Florina (Western Macedonia, Greece), 29 November 2007.
3. **Invited Lecture** in the Open University of Lokron Municipality (Fthiotis, Central Greece), Atalanti, 14 December 2012. Title: The alternative solid waste treatment concerns all of us.
4. **Invited Lecture** in the Technical Chamber of Greece Symposium “Colloquium on G.M.M. S.A. LARCO Ferronickel Co.”, 19 May 2015, Athens, Title: The contribution of G.M.M. S.A. LARCO on the development of Technology.