

## **Bibliography**

### **Book**

Murad E. & J. Cashion (2004) Mössbauer Spectroscopy of Environmental Materials and their Industrial Utilization. Kluwer Academic Publishers, Boston, xviii + 418 pp.

### **Articles**

1. Gehlen K. von, H. Zeino, E. Murad & A. Samman (1969) Neue Ergebnisse zur Genese der Vererzung im südlichen Schwarzwald. Zeitschrift der Deutschen Geologischen Gesellschaft **121**, 75-78.
2. Murad E. (1973) Determination of trace elements in unfused rock and mineral samples by X-ray fluorescence. Analytica Chimica Acta **67**, 37-53.
3. Murad E. (1974) Hydrothermal alteration of granitic rocks and its possible bearing on the genesis of mineral deposits in the southern Black Forest, Germany. Economic Geology **69**, 532-544.
4. Murad E. (1975) Determination of barium in geological samples by X-ray spectrometry. Spectrochimica Acta B **30**, 433-439.
5. Murad E. (1975) Note on the geochemistry of Hercynian dykes and volcanics from Münstertal, Black Forest, Germany. Neues Jahrbuch für Mineralogie, Monatshefte, 57-70.
6. Murad E. & H.-W. Hubberten (1975) Sulfide mineralization in phyllites from the Island of Thera, Santorini Archipelago, Greece. Neues Jahrbuch für Mineralogie, Monatshefte, 300-308.
7. Murad E. (1976) Zoned, birefringent garnets from Thera Island, Santorini Group (Aegean Sea). Mineralogical Magazine **40**, 715-719.
8. Murad E. & H. Puchelt (1976) Petrology of the Christiana Islands, southern Aegean Sea. In: International Congress on Thermal Waters, Geothermal Energy and Vulcanism of the Mediterranean Area, vol. 3, National Technical University of Athens, Greece, 139-153.
9. Puchelt H., E. Murad & H.-W. Hubberten (1977) Geochemical and petrological studies of lavas, pyroclastica and associated xenoliths from the Christiana Islands, Aegean Sea. Neues Jahrbuch für Mineralogie, Abhandlungen **131**, 140-155.
10. Murad E. (1978) Y and Zr as geochemical guide elements in soil and stream sediment sequences. Journal of Soil Science **29**, 219-223.
11. Murad E. & W.R. Fischer (1978) Mineralogy and heavy metal contents of soils and stream sediments in a rural region of Western Germany. Geoderma **21**, 133-145.
12. Wilke B.-M., U. Schwertmann & E. Murad (1978) An occurrence of polymorphic halloysite in granite saprolite of the Bayerischer Wald, Germany. Clay Minerals **13**, 67-77.
13. Murad E. (1979) Mössbauer spectra of goethite: evidence for structural imperfections. Mineralogical Magazine **43**, 355-361.
14. Murad E. (1979) Mössbauer and X-ray data on  $\beta$ -FeOOH (akaganéite). Clay Minerals **14**, 273-283.
15. Murad E. & U. Schwertmann (1980) The Mössbauer spectrum of ferrihydrite and its relations to those of other iron oxides. American Mineralogist **65**, 1044-1049.
16. Murad E. (1982) Iron oxide mineralogy of a hydrothermal assemblage on Santorini Island, Aegean Sea. Mineralogical Magazine **46**, 89-93.

17. Murad E. (1982) Ferrihydrite deposits on an artesian fountain in lower Bavaria. *Neues Jahrbuch für Mineralogie, Monatshefte*, 45-56.
18. Murad E. (1982) The characterization of goethite by Mössbauer spectroscopy. *American Mineralogist* **67**, 1007-1011.
19. Schwertmann U., E. Murad & D.G. Schulze (1982) Is there Holocene reddening (hematite formation) in soils of axeric temperate climates? *Geoderma* **27**, 209-223.
20. Schwertmann U., D.G. Schulze & E. Murad (1982) Identification of ferrihydrite in soils by dissolution kinetics, differential X-ray diffraction and Mössbauer spectroscopy. *Soil Science Society of America Journal* **46**, 869-875.
21. Murad E. & U. Schwertmann (1983) The influence of aluminium substitution and crystallinity on the Mössbauer spectra of goethite. *Clay Minerals* **18**, 301-312.
22. Schwertmann U. & E. Murad (1983) The effect of pH on the formation of goethite and hematite from ferrihydrite. *Clays and Clay Minerals* **31**, 277-284.
23. Salazar R., U. Wagner, F.E. Wagner & E. Murad (1983) Mössbauer firing study of Peruvian clays. *Radiochemical and Radioanalytical Letters* **59**, 299-306.
24. Murad E. (1984) Magnetic ordering in andradite. *American Mineralogist* **69**, 722-724.
25. Murad E. (1984) High-precision determination of magnetic hyperfine fields by Mössbauer spectroscopy using an internal standard. *Journal of Physics E* **17**, 736-737.
26. Murad E. & U. Schwertmann (1984) The influence of crystallinity on the Mössbauer spectrum of lepidocrocite. *Mineralogical Magazine* **48**, 507-511.
27. Murad E. & R.M. Taylor (1984) The Mössbauer spectra of hydroxycarbonate green rusts. *Clay Minerals* **19**, 77-83.
28. Murad E. (1985) The influence of aluminium substitution on the absorption of gamma-rays in hematite. *Physics Letters A* **111**, 79-82.
29. Schwertmann U., P. Cambier & E. Murad (1985) Properties of goethites of varying crystallinity. *Clays and Clay Minerals* **33**, 369-378.
30. Murad E. & U. Schwertmann (1986) Influence of Al substitution and crystallinity on the room-temperature Mössbauer spectrum of hematite. *Clays and Clay Minerals* **34**, 1-6.
31. Murad E. & R.M. Taylor (1986) The oxidation of hydroxycarbonate green rusts. In: *Industrial Applications of the Mössbauer Effect* (G.J. Long & J.G. Stevens, Eds.), Plenum, New York, 585-593.
32. Murad E. (1987) Mössbauer spectra of nontronites: structural implications and characterization of associated iron oxides. *Zeitschrift für Pflanzenernährung und Bodenkunde* **150**, 279-285.
33. Murad E. & L.H. Bowen (1987) Magnetic ordering in Al-rich goethites: influence of crystallinity. *American Mineralogist* **72**, 194-200.
34. Murad E. & J.H. Johnston (1987) Iron oxides and oxyhydroxides. In: *Mössbauer Spectroscopy Applied to Inorganic Chemistry*, vol. 2 (G.J. Long, Ed.), Plenum, New York, 507-582.
35. Murad E. & F.E. Wagner (1987) The Mössbauer spectrum of almandine. *Physics and Chemistry of Minerals* **14**, 264-269.
36. Schwertmann U., L. Carlson & E. Murad (1987) Properties of iron oxides in two Finnish lakes in relation to the environment of their formation. *Clays and Clay Minerals* **35**, 297-304.
37. Murad E. (1988) The Mössbauer spectrum of "well"-crystallized ferrihydrite. *Journal of Magnetism and Magnetic Materials* **74**, 153-157.
38. Murad E. (1988) Properties and behavior of iron oxides as determined by Mössbauer spectroscopy. In: *Iron in Soils and Clay Minerals* (J.W. Stucki, B.A. Goodman & U. Schwertmann, Eds.), Reidel, Dordrecht/Boston, 309-350.

39. Murad E. & W.R. Fischer (1988) The geobiochemical cycle of iron. In: Iron in Soils and Clay Minerals (J.W. Stucki, B.A. Goodman & U. Schwertmann, Eds.), Reidel, Dordrecht/Boston, 1-18.
40. Murad E. & U. Schwertmann (1988) Iron oxide mineralogy of some deep-sea ferromanganese crusts. *American Mineralogist* **73**, 1395-1400.
41. Murad E. & U. Schwertmann (1988) The characterization of poorly crystalline Si-containing natural iron oxides by Mössbauer spectroscopy. *Hyperfine Interactions* **41**, 835-838.
42. Murad E., L.H. Bowen, G.J. Long & T.G. Quin (1988) The influence of crystallinity on magnetic ordering in natural ferrihydrites. *Clay Minerals* **23**, 161-173.
43. Kodama H., M. Schnitzer & E. Murad (1988) An investigation of Fe(III)-fulvic acid complexes by Mössbauer spectroscopy and chemical methods. *Soil Science Society of America Journal* **52**, 994-998.
44. Schwertmann U. & E. Murad (1988) The nature of an iron oxide-organic iron association in a peaty environment. *Clay Minerals* **23**, 291-299.
45. Wagner U., W. Knorr, A. Forster, E. Murad, R. Salazar & F.E. Wagner (1988) Mössbauer study of illite associated with iron oxy-hydroxides. *Hyperfine Interactions* **41**, 855-858.
46. Murad E. (1989) Poorly-crystalline minerals and complex mineral assemblages. *Hyperfine Interactions* **47**, 33-53.
47. Murad E. & U. Wagner (1989) Pure and impure clays and their firing products. *Hyperfine Interactions* **45**, 161-177.
48. Murad E. (1990) Application of  $^{57}\text{Fe}$  Mössbauer spectroscopy to problems in clay mineralogy and soil science: possibilities and limitations. *Advances in Soil Science* **12**, 125-157.
49. Murad E., J.D. Cashion & L.J. Brown (1990) Magnetic ordering in Garfield nontronite under applied magnetic fields. *Clay Minerals* **25**, 261-269.
50. Murad E., U. Schwertmann & J.D. Cashion (1990) Magnetic hyperfine fields in aluminous magnetites synthesized at ambient temperatures. *Hyperfine Interactions* **54**, 619-622.
51. Murad E., J.M. Bigham, L.H. Bowen & U. Schwertmann (1990) Magnetic properties of iron oxides produced by bacterial oxidation of  $\text{Fe}^{2+}$  under acid conditions. *Hyperfine Interactions* **58**, 2373-2376.
52. Bigham J.M., U. Schwertmann, L. Carlson & E. Murad (1990) A poorly crystallized oxyhydroxysulfate of iron formed by bacterial oxidation of Fe(II) in acid mine waters. *Geochimica et Cosmochimica Acta* **54**, 2743-2758.
53. Schwertmann U. & E. Murad (1990) The influence of aluminum on iron oxides: XIV. Al-substituted magnetites synthesized at ambient temperatures. *Clays and Clay Minerals* **38**, 196-202.
54. Schwertmann U. & E. Murad (1990) Forms and translocation of iron in podsolized soils. In: Proceedings of the Fifth International Soil Correlation Meeting (ISCOM) Characterization, Classification, and Utilization of Spodosols (J.M. Kimble & R.D. Yeck, Eds.), USDA, Soil Conservation Service, Lincoln, NE, 319-341.
55. Wagner U., E. Murad, W. Knorr & F.E. Wagner (1990) Mössbauer study of illitic clays containing iron-rich impurities. *Hyperfine Interactions* **57**, 2313-2317.
56. Murad E. & U. Wagner (1991) Mössbauer spectra of kaolinite, halloysite and the firing products of kaolinite: new results and a reappraisal of published work. *Neues Jahrbuch für Mineralogie, Abhandlungen* **162**, 281-309.
57. Murad E. (1992) Magnetic properties of fine-grained minerals. In: Magnetic Properties of Fine Particles (J.L. Dormann & D. Fiorani, Eds.), North-Holland, Amsterdam, 339-349.
58. Breuer J. & E. Murad (1992) Mineralogy of soil kaolinites from Cameroon. *Zeitschrift für Pflanzenernährung und Bodenkunde* **155**, 379-383.

59. Wagner U., R. Gebhard, E. Murad, I. Shimada & F.E. Wagner (1992) The role of small particles in the study of archaeological ceramics. In: *Magnetic Properties of Fine Particles* (J.L. Dormann & D. Fiorani, Eds.), North-Holland, Amsterdam, 381-392.
60. Murad E. & U. Schwertmann (1993) Temporal stability of a fine-grained magnetite. *Clays and Clay Minerals* **41**, 111-113.
61. Christie I.A.D., D.G. Rancourt, H. Kodama, E. Murad & J.-L. Robert (1993) Oxidation of synthetic annite mica characterized by  $^{57}\text{Fe}$  Mössbauer spectroscopy: hydrogen de-intercalation and host layer valence state populations. In: *Chemical Physics of Intercalation II* (P. Bernier, J.E. Fisher, S. Roth & S.A. Solin, Eds.), Plenum, New York, 387-391.
62. Hoffmann V., H. Stanjek & E. Murad (1993) Mineralogical, magnetic and Mössbauer data of smythite ( $\text{Fe}_9\text{S}_{11}$ ). *Studia Geophysica et Geodaetica* **37**, 366-381.
63. Murad E. (1994) Some recent developments in the study of soils by Mössbauer spectroscopy. 15<sup>th</sup> World Congress of Soil Science, *Transactions* **8a**, 85-93.
64. Murad E., U. Schwertmann, J.M. Bigham & L. Carlson (1994) The mineralogical characteristics of poorly crystalline precipitates formed by oxidation of  $\text{Fe}^{2+}$  in acid sulfate waters. In: *Environmental Geochemistry of Sulfide Oxidation* (C.N. Alpers & D.W. Blowes, Eds.), American Chemical Society, Washington, D.C., 191-200.
65. Murad E. & U. Wagner (1994) The Mössbauer spectrum of illite. *Clay Minerals* **29**, 1-10.
66. Murad E. & U. Wagner (1994) Mössbauer study of pure illite and its firing products. *Hyperfine Interactions* **91**, 685-688.
67. Bigham J.M., L. Carlson & E. Murad (1994) Schwertmannite, a new iron oxyhydroxysulphate from Pyhäsalmi, Finland, and other localities. *Mineralogical Magazine* **58**, 641-648.
68. Rancourt D.G., I.A.D. Christie, M. Royer, H. Kodama, J.-L. Robert, A.E. Lalonde & E. Murad (1994) Determination of accurate  $^{41}\text{Fe}^{3+}$ ,  $^{61}\text{Fe}^{3+}$  and  $^{61}\text{Fe}^{2+}$  site populations in synthetic annite by Mössbauer spectroscopy. *American Mineralogist* **79**, 51-62.
69. Stanjek H. & E. Murad (1994) Comparison of pedogenic and sedimentary greigite by X-ray diffraction and Mössbauer spectroscopy. *Clays and Clay Minerals* **42**, 451-454.
70. Wagner U., R. Gebhard, E. Murad, J. Riederer, I. Shimada, C. Ulbert, F.E. Wagner & A.M. Wippert (1994) Condiciones de cocción y características de composición de la cerámica formativa: perspectiva arqueométrica. In: *Tecnología y Organización de la Producción Cerámica Prehispánica en los Andes* (I. Shimada, Ed.), Pontificia Universidad Católica del Perú, Lima, 121-156.
71. Wagner U., R. Gebhard, E. Murad, J. Riederer, I. Shimada & F.E. Wagner (1994) Kiln firing at Batán Grande: today and in Formative times. In: *Archaeometry of Pre-Columbian Sites and Artifacts* (D.A. Scott & P. Meyers, Eds.), The Getty Conservation Institute, Los Angeles, 67-84.
72. Murad E., J.D. Cashion, C.J. Noble & J.R. Pilbrow (1995) The chemical state of Fe in rutile from an albitite in Norway. *Mineralogical Magazine* **59**, 557-560.
73. Schwertmann U., J.M. Bigham & E. Murad (1995) The first occurrence of schwertmannite in a natural stream environment. *European Journal of Mineralogy* **7**, 547-552.
74. Murad E. (1996) Magnetic properties of microcrystalline iron(III) oxides and related materials as reflected in their Mössbauer spectra. *Physics and Chemistry of Minerals* **23**, 248-262.
75. Murad E. & U. Wagner (1996) The thermal behaviour of an Fe-rich illite. *Clay Minerals* **31**, 45-52.
76. Bishop J.L. & E. Murad (1996) Schwertmannite on Mars? Spectroscopic analyses of schwertmannite, its relationship to other ferric minerals, and its possible presence in the surface material on Mars. In: *Mineral Spectroscopy: A Tribute to Roger G. Burns* (M.D. Dyar, C. McCammon & M.W. Schaefer, Eds.), Special Publication No. 5, The Geochemical Society, Houston, TX, 337-358.

77. Murad E. (1997) Identification of minor amounts of anatase in kaolins by Raman spectroscopy. *American Mineralogist* **82**, 203-206.
78. Bigham J.M. & E. Murad (1997) Mineralogy of ochre deposits formed by the oxidation of iron sulfide minerals. In: *Soils and Environment: Soil Processes from Mineral to Landscape Scale* (K. Auerswald, H. Stanjek & J.M. Bigham, Eds.). *Advances in GeoEcology* **30**, 193-225.
79. Wagner U., R. Gebhard, E. Murad, G. Große, J. Riederer, I. Shimada & F.E. Wagner (1997) Formative ceramics from the Andes and their production: a Mössbauer study. *Hyperfine Interactions* **110**, 165-176.
80. Murad E. (1998) The characterization of soils, clays and clay firing products. *Hyperfine Interactions* **111**, 251-259.
81. Murad E. (1998) Clays and clay minerals: what can Mössbauer spectroscopy do to help understand them? *Hyperfine Interactions* **117**, 39-70.
82. Murad E. & U. Wagner (1998) Clays and clay minerals: the firing process. *Hyperfine Interactions* **117**, 337-356.
83. Schwertmann U., J. Friedl, H. Stanjek, E. Murad & C. Bender Koch (1998) Iron oxides and smectites in sediments from the Atlantis II Deep, Red Sea. *European Journal of Mineralogy* **10**, 953-967.
84. Wagner U., R. Gebhard, G. Grosse, T. Hutzelmann, E. Murad, J. Riederer, I. Shimada & F.E. Wagner (1998) Clay: an important raw material for prehistoric man. *Hyperfine Interactions* **117**, 323-335.
85. Wagner U., R. Gebhard, E. Murad, J. Riederer, I. Shimada, C. Ulbert & F.E. Wagner (1998) Production of Formative ceramics: assessment by physical methods. In: *Andean Ceramics: Technology, Organization, and Approaches* (I. Shimada, Ed.). *MASCA Research Papers in Science and Archaeology* **15**, Supplement, 173-197.
86. Murad E. (1999) Clays and clay minerals: what can Mössbauer spectroscopy do to help understand them? In: *Clays for our Future* (H. Kodama, A.R. Mermut & J.K. Torrance, Eds.), ICC-97 Organizing Committee, Ottawa, Canada, 207-213.
87. Murad E. & H.M. Köster (1999) Determination of the Ti speciation in commercial kaolins by Raman spectroscopy. *Clay Minerals* **34**, 479-485.
88. Bishop J., E. Murad, J. Madejová, P. Komadel, U. Wagner & A.C. Scheinost (1999) Visible, Mössbauer and infrared spectroscopy of dioctahedral smectites: structural analyses of the Fe-bearing smectites Sampor, SWy-1 and SWa-1. In: *Clays for our Future* (H. Kodama, A.R. Mermut & J.K. Torrance, Eds.), ICC-97 Organizing Committee, Ottawa, Canada, 413-419.
89. Köster H.M., U. Ehrlicher, H.A. Gilg, R. Jordan, E. Murad & K. Onnich (1999) Mineralogical and chemical characteristics of five nontronites and iron-rich smectites. *Clay Minerals* **34**, 579-599.
90. Wagner U., R. Gebhard, G. Grosse, T. Hutzelmann, E. Murad, J. Riederer, I. Shimada & F.E. Wagner (1999) Clay: an important raw material for prehistoric man. In: *Clays for our Future* (H. Kodama, A.R. Mermut & J.K. Torrance, Eds.), ICC-97 Organizing Committee, Ottawa, Canada, 33-36.
91. Murad E. & J.L. Bishop (2000) The infrared spectrum of synthetic akaganéite,  $\beta$ -FeOOH. *American Mineralogist* **85**, 716-721.
92. Karlton E., D.C. Bain, J.P. Gustafsson, H. Mannerkoski, E. Murad, U. Wagner, A.R. Fraser, W.J. McHardy & M. Starr (2000) Surface reactivity of poorly-ordered minerals in podzol B horizons. *Geoderma* **94**, 265-288.
93. Rancourt D.G., P.H.J. Mercier, D.J. Cherniak, S. Desgreniers, H. Kodama, J.-L. Robert & E. Murad (2001) Mechanisms and crystal chemistry of oxidation in annite: resolving the hydrogen-loss and vacancy reactions. *Clays and Clay Minerals* **49**, 455-491.

94. Murad E. (2002) Iron-rich precipitates in mine drainage environments: mineralogical characteristics and case studies. 17<sup>th</sup> World Congress of Soil Science, Transactions, 2078/1-9. Published on CDROM.
95. Murad E., U. Wagner, F.E. Wagner & W. Häusler (2002) The thermal reactions of montmorillonite: a Mössbauer study. *Clay Minerals* **37**, 583-590.
96. Bishop J.L. & E. Murad (2002) Spectroscopic and geochemical analyses of ferrihydrite from springs in Iceland and applications to Mars. In: *Volcano-Ice Interactions on Earth and Mars* (J.L. Smellie & M.G. Chapman, Eds.), Special Publication 202, The Geological Society of London, 357-370.
97. Bishop J., E. Murad & M.D. Dyar (2002) The influence of octahedral and tetrahedral cation substitution on the structure of smectites as observed through infrared spectroscopy. *Clay Minerals* **37**, 617-628.
98. Murad E. (2003) Raman and X-ray diffraction data on anatase in fired kaolins. *Clays and Clay Minerals* **51**, 689-692.
99. Murad E. & P. Rojík (2003) Iron-rich precipitates in a mine drainage environment: influence of pH on mineralogy. *American Mineralogist* **88**, 1915-1918.
100. Murad E. & P. Rojík (2004) Jarosite, schwertmannite, goethite, ferrihydrite and lepidocrocite: the legacy of coal and sulfide ore mining. *SuperSoil 2004: 3<sup>rd</sup> Australian New Zealand Soils Conference*, 5 – 9 December 2004, University of Sydney, Australia. Published on CDROM.
101. Bishop J.L. & E. Murad (2004) Characterization of minerals and biogeochemical markers on Mars: a Raman and IR spectroscopy study of montmorillonite. *Journal of Raman Spectroscopy* **35**, 480-486, doi: 10.1002/jrs.1173.
102. Bishop J.L., E. Murad, M.D. Lane & R.L. Mancinelli (2004) Multiple techniques for mineral identification on Mars: a study of hydrothermal rocks as potential analogues for astrobiology sites on Mars. *Icarus* **169**, 311-323, doi: 10.1016/j.icarus.2003.12.025.
103. Dyar M.D., S.A. McEnroe, E. Murad, L.L. Brown & H. Schiellerup (2004) The relationship between exsolution and magnetic properties in hemo-ilmenite: insights from Mössbauer spectroscopy with implications for planetary magnetic anomalies. *Geophysical Research Letters* **31**, L04608, doi: 10.1029/2003GL019076.
104. Murad E. (2005) Characterization of a standard bauxite and its deferration products by Mössbauer spectroscopy. *Minerals Engineering* **18**, 984-986, doi: 10.1016/j.mineng.2004.12.015.
105. Murad E. & P. Rojík (2005) Iron mineralogy of mine drainage precipitates as environmental indicators: current concepts and a case study from the Sokolov Basin, Czech Republic. *Clay Minerals* **40**, 427-440. doi: 10.1180/0009855054040181.
106. Bishop J.L. & E. Murad (2005) The visible and infrared spectral properties of jarosite and alunite. *American Mineralogist* **90**, 1100-1107, doi: 10.2138/am.2005.1700.
107. Pinheiro P.G., J.D. Fabris, W.N. Mussel, E. Murad, R.B. Scorzelli & V.K. Garg (2005) Beneficiation of a commercial kaolin from Mar de Espanha, Minas Gerais, Brazil: chemistry and mineralogy. *Journal of South American Earth Sciences* **20**, 267-271, doi: 10.1016/j.jsames.2005.05.009.
108. Murad E. (2006) Mössbauer spectroscopy of clays and clay minerals. In: *Handbook of Clay Science* (F. Bergaya, B.K.G. Theng & G. Lagaly, Eds.), Elsevier Science, 763-772, doi: 10.1016/S1572-4352(05)01027-5.
109. Murad E. (2006) Mineralogy of aegirine from Låven Island, Langesundfjorden, southern Norway. *Norwegian Journal of Geology* **86**, 435-438.
110. Bishop J.L., P. Schiffman, E. Murad, M.D. Dyar, A. Drief & M.D. Lane (2007) Characterization of alteration products in tephra from Haleakala, Maui: a visible-infrared spectroscopy, Mössbauer

spectroscopy, XRD, EPMA and TEM study. *Clays and Clay Minerals* **55**, 1-17, doi: 10.1346/CCMN.2007.0550101.

111. Mussel W.N., E. Murad, J.D. Fabris, W.S. Moreira, J.B.S. Barbosa, C.C. Murta, W.P. Abrahão, J.W.V. de Mello & V.K. Garg (2007) Characterization of a chalcopyrite from Brazil by Mössbauer spectroscopy and other physicochemical techniques. *Physics and Chemistry of Minerals* **34**, 383-387, doi: 10.1007/s00269-007-0156-8.
112. Pereira M.C., C.M. Tavares, J.D. Fabris, R.M. Lago, E. Murad, & P.S. Criscuolo (2007) Characterization of a tropical soil and a waste from kaolin mining and their suitability as heterogeneous catalysts for Fenton and Fenton-like reactions. *Clay Minerals* **42**, 299-306, doi: 10.1180/claymin.2007.042.3.03.
113. Coelho F.S., J.D. Ardisson, F.C.C. Moura, R.M. Lago, E. Murad & J.D. Fabris (2008) Potential application of highly reactive Fe(0)/Fe<sub>3</sub>O<sub>4</sub> composites for the reduction of Cr(VI) environmental contaminants. *Chemosphere* **71**, 90-96, doi:10.1016/j.chemosphere.2007.10.016.
114. W.N. Mussel, E. Murad, P.S.R. Criscuolo, P.G. Pinheiro & J.D. Fabris (2008) Variation of mineralogy during the beneficiation of Capim kaolin from Pará, Brazil. *Clay Minerals* **43**, accepted for publication.