

## **5.- BIBLIOGRAFÍA**

## 5.- Bibliografía

- ✓ *ACI, 1996*, Guide for the use of silica fume in concrete. ACI Committee 234 R, pp. 1-56.
- ✓ *Ader, M., Glad, E. F., Fochtman, E. G., 1989*, Stabilization of mercury-containing waste. Patente US4844815.
- ✓ *AENOR, 1999*, Metodología para la determinación del comportamiento durante el lixiviado de residuos en condiciones específicas. Norma Española Experimental UNE-ENV 12920. Julio, 1999.
- ✓ *Akhter, H., Cartledge, F. K., Roy, A., Tittlebaum, M. E., 1997*, Solidification/stabilization of arsenic salts: effects of long cure times. *Journal of Hazardous Materials*, vol. 52, pp. 247-264.
- ✓ *Alaejos, M. P., Fernández, M., 1999*, El coeficiente de eficacia del humo de sílice. *Materiales de Construcción*, vol. 49, nº253, pp. 57-63.
- ✓ *Alarcón, P., 1989*, Determinación de fenoles en agua mediante empleo combinado de cromatografía líquida de alta eficacia (HPLC), cromatografía de gases (CG) y cromatografía de permeación en gel (CPG). Tesis doctoral. Departamento de Química Analítica. Facultad de Ciencias Químicas. Universidad Complutense de Madrid.
- ✓ *Albino, V., Cioffi, R., de Vito, B., Marroccoli, M., Santoro, L., 1994*, Release of heavy metals from a municipal solid waste incineration residue stabilized in non-traditional matrices. *Environmental aspects of Constructions with Waste Materials Studies in Environmental Science* 60, Goumans, J. J. J. M., van der Sloot, H. A., Aalbers, T. G. Ed. Elsevier.
- ✓ *Allan, M. L., Kukacka, L. E., 1996*, Performance of cementitious containment barriers. *Stabilization and Solidification of Hazardous, Radioactive, and Mixed Wastes*. 3<sup>rd</sup> vol., ASTM, STP 1240. Gilliam, T. M., Wiles, C. C., Eds. ASTM, pp. 186-197.
- ✓ *Allen, W. C., 1996*, Superplasticizer-concrete composition for waste disposal. Patente: US5551976. <http://www.uspto.gov/patft/>.
- ✓ *Alsayed, S. H., 1998*, Influence of superplasticizer, plasticizer, and silica fume on the drying shrinkage of high-strength concrete subjected to hot-dry field conditions. *Cement and Concrete Research*, vol. 28, nº10, pp. 1405-1415.
- ✓ *Anderson, J. C., Hutchinson, D. W., Terchick, A. A., Wen, W.-W., 1980*, Method of stabilizing aqueous fina coal slurry and product thereof. Patente US4208217. <http://www.uspto.gov/patft/>.

## 5.- Bibliografía

- ✓ *Andrés, A., Irabien, J. A., 1994a*, Solidification/stabilization process for steel foundry dust using cement based binders: influence of processing variables. *Waste Management & Research*, 12, pp. 405-415.
- ✓ *Andrés, A., Irabien, J. A., 1994b*, The influence of binder/waste ratio on leaching characteristics of solidified/stabilized steel foundry dusts. *Environmental Technology*, vol. 15, pp. 343-351.
- ✓ *Andrés, A., Ortiz, I., Viguri, J. R., Irabien, A., 1995*, Long-term behavior of toxic metals in stabilized steel foundry dusts. *Journal of Hazardous Materials*, 40, pp. 31-42.
- ✓ *Andrés, A., Coz, A., Ruiz, C., de Miguel, C., Irabien, A., 1999*, Biotreatment of foundry sludges: study of feasibility. *Chemical Industry and Environment III*, 2<sup>nd</sup> Volume, pp. 491-497.
- ✓ *Andrés, A., Viguri, J. R., 1999*, Vertido y almacenamiento controlado de residuos peligrosos. *Los residuos peligrosos. Caracterización, tratamiento y gestión*. Rodríguez, J. J., Irabien, A. Ed. Síntesis. Madrid, pp. 211-244.
- ✓ *ASTM, 1999*, Standard Test Methods for Chemical Analysis for Limestone, Quicklime and Hydrated Lime, C 25-98, 19.
- ✓ *Azur, 2000*, Microtox<sup>®</sup> acute toxicity testing reagent. Certificate of performance. Azur Environment. Carlsbad, CA, USA.
- ✓ *Balzamo, S., Castellano, L., De Angelis, G., 1996*, Experimental and theoretical studies for assessing the retention capacity of cement stabilized materials for land disposal. *Stabilization and Solidification of Hazardous, Radioactive, and Mixed Wastes*. 3<sup>rd</sup> vol., ASTM, STP 1240. Gilliam, T. M., Wiles, C. C., Eds. ASTM, pp. 388-411.
- ✓ *Barna, R., Sánchez, F., Moszkowicz, P., Méhu, J., 1997*, Leaching behavior of pollutants in stabilized/solidified wastes. *Journal of Hazardous Materials*, 52, 287-310.
- ✓ *Barth, E. F., et al, 1990*, Stabilization and solidification of hazardous wastes. Ed. Noyes Data Corporation. New Jersey.
- ✓ *Bäverman, C., 1997*, The importance of the pH buffering capacity-comparison of various methods to estimate the pH properties of a waste material. *Proceedings of fifth Annual North American Waste-to Energy Conference*. Research Triangle Park, NC, US, 22-25 April, pp. 739-748.
- ✓ *Bayer, H. E., Gall, T. L., 1985*, Metals Handbook. Desk Edition. American Society for Metals, pp. 22.1-22.10, 23.1-23.53.

- ✓ *Belz, G., Beretka, J., Cioffi, R., Santoro, L., Sherman, N., Valenti, G. L., 1994*, Development of cementitious products using industrial process wastes as sources of reactive sulfate and alumina. Environmental aspects of Constructions with Waste Materials studies in Environmental Science 60, Goumans, J. J. J. M., van der Sloot, H. A., Aalbers, T. G. Ed. Elsevier, pp. 579-588.
- ✓ *Benson, R. E., Chandler, H. W., Chacey, K. A., 1985*, Hazardous waste disposal as concrete admixture. Journal of Environmental Engineering, 111, 4, pp. 441-447.
- ✓ *Beretka, J., Cioffi, R., Marroccoli, M., Valenti, G. L., 1996*, Energy-saving cements obtained from chemical gypsum and other industrial wastes. Waste Management, vol. 16, nº 1-3, pp. 231-235.
- ✓ *Bermúdez, S., Lafuente, C., Rodríguez, M. E., 1999*, Costes derivados de la deshidratación de fangos. Residuos, nº 49, Julio-Agosto, pp. 49-54.
- ✓ *Bethem, R., Sakuma, T., 1995*, The evaluation of a benchtop API LC/MS/MS system for environmental analyses. Product Note API LC/MS. PE SCIEX. Perkin Elmer, EM 113.
- ✓ *Bialucha, R., Geiseler, J., Krass, K., 1994*, Assessment of the environmental compatibility of industrial by-products and recycled materials. Environmental aspects of Constructions with Waste Materials studies in Environmental Science 60, Goumans, J. J. J. M., van der Sloot, H. A., Aalbers, T. G. Ed. Elsevier.
- ✓ *Bijen, J. M. J. M., 1994*, European standarization of addition for concrete. Environmental aspects of Constructions with Waste Materials studies in Environmental Science 60, Goumans, J. J. J. M., van der Sloot, H. A., Aalbers, T. G. Ed. Elsevier, pp. 398-408.
- ✓ *Bishop, P. L., Gress, D. L., Olofsson, J. A., 1982*, Cement stabilization of heavy metals: leaching rate assessment. Industrial Waste Proc. Mid-Atlantic Conference 14<sup>th</sup>, pp. 459-467.
- ✓ *Bleiker, D. E., Farquar, G., McBean, E., 1995*, Landfill settlement and the impact on site capacity and refuse hydraulic conductivity. Waste Management & Research, vol. 13, pp. 533-554.
- ✓ *Bloem, P. J. C., Lamers, F. L. M., Tamboer, L., 1994*, Leaching behavior of building materials with by-products under practical conditions. Environmental aspects of Constructions with Waste Materials studies in Environmental Science 60, Goumans, J. J. J. M., van der Sloot, H. A., Aalbers, T. G. Ed. Elsevier, pp. 195-204.
- ✓ *BOE, 1986*, Ley Básica 20/86 de 14 de Mayo, de Residuos Tóxicos y Peligrosos. Boletín Oficial del Estado nº120, de 20 de Mayo de 1986.

## 5.- Bibliografía

- ✓ *BOE, 1989*, Orden de 13 de Octubre de 1989, por la que se Determinan los Métodos de Caracterización de los Residuos Tóxicos y Peligrosos. Boletín Oficial del Estado nº270, de 10 de Noviembre de 1989.
- ✓ *BOE, 1997*, Real Decreto 952/97 de 20 de Junio, por el que se modifica el Reglamento para la Ejecución de la Ley 20/86, aprobado mediante Real Decreto 833/88, de 20 de Julio. Boletín Oficial del Estado nº160, de 5 de Julio de 1997.
- ✓ *BOE, 1998*, Ley 10/98 de 21 de Abril, de Residuos. Boletín Oficial del Estado nº96, de 22 de Abril de 1998.
- ✓ *BOE, 1999*, Resolución de 17 de Noviembre de 1998 de la Dirección General de Calidad y Evaluación Ambiental, por la que se dispone la publicación del Catálogo Europeo de Residuos (CER) aprobado mediante la Decisión 94/3/CE de la Comisión de 20 de Diciembre de 1993. Boletín Oficial del Estado nº7, de 8 de Enero de 1999.
- ✓ *Botá, A., László, K., Valyon, J., Nagy, L. G., Subklew, G., Schwuger, M. J., 1997*, Activated carbon from waste materials, Periodica Polytechnica Ser. Chem. Eng., vol. 41, nº1, pp. 25-39.
- ✓ *Bradley, M. J., Wiberley, S. E., 1993*, Studies on the effect of the copper and zinc content in a silica by-product material when used in mortars. Cement and Concrete Research, vol. 23, pp. 1259-1267.
- ✓ *Bueno, J. L., Sastre, H., Lavín, A. G., 1997*, Contaminación e ingeniería ambiental. Fundación para el Fomento en Asturias de la Investigación Científica Aplicada y la Tecnológica. Oviedo, pp. 187-207, 351-368.
- ✓ *Burriel, F., Lucena, F., Arribas, S., Hernández, J., 1999*, Química analítica cualitativa. Decimoséptima Edición. Paraninfo.
- ✓ *Cabrera, J. G., Wooley, G. R., 1994*, Fly ash utilisation in civil engineering. Environmental aspects of Constructions with Waste Materials studies in Environmental Science 60, Goumans, J. J. J. M., van der Sloot, H. A., Aalbers, T. G. Ed. Elsevier, pp. 345-356.
- ✓ *Cámara de Comercio de Cantabria, 1998*, Catálogo de subcontratación de Cantabria. European Union.
- ✓ *Campbell, D. J. V., 1994*, Understanding co-disposal processes and practices. Chemistry & Industry, vol. 6, pp. 407-409.
- ✓ *CEMEX, 1989*, Commercial information. Barcelona, España.
- ✓ *CEN, 1997*, Water Analysis. Guidelines for the Determination of Total Organic Carbon (TOC) and Dissolved Organic Carbon (DOC), EN 1484.

- ✓ *CEN, 1999*, Characterisation of waste leaching. Compliance test for leaching of granular waste materials and sludges, prEN 12457. April, 1999.
- ✓ *Chang, J.-E., Lin, T.-T., Ko, M.-S., Liaw, D.-S., 1999*, Stabilization/solidification of sludges containing heavy metals by using cement and waste pozzolans. *Journal of Environment Science & Health*, vol. A34, nº5, pp. 1143-1160.
- ✓ *Cheeseman, C. R., Sollars, C. J., Perry, R., 1994*, Mechanisms of metal containment resulting from the solidification of a commercially produced stabilized waste. *Stabilization and Solidification of Hazardous, Radioactive and Mixed Wastes*. 3<sup>rd</sup> vol., ASTM STP 1240. Gilliam, T. M., Wiles, C. C. Eds. ASTM. Philadelphia.
- ✓ *Cheng, K. Y., Bishop, P., Isenburg, J., 1991*, Cement stabilization/solidification techniques: pH profile within acid-atacked waste form. *Waste Materials and Construction*. Comans, J. R., van der Sloot, H. A., Aalbers, T. G. Ed. Elsevier. Pp. 371-372.
- ✓ *Chestnut, R., Colussi, J. J., Frost, D. J., Keen, W. E., 1985*, Stabilizing organic waste. Patente US4514307, 7 pp.
- ✓ *Clarke, L. B., 1994*, Applications for coal-use residues: an international overview. *Environmental aspects of Constructions with Waste Materials studies in Environmental Science* 60, Goumans, J. J. J. M., van der Sloot, H. A., Aalbers, T. G. Ed. Elsevier.
- ✓ *CNIE, 1999*, Treatment technologies at superfund sites. The Committee for the National Institute for the Environment, 91-713 ENR, June 27, 1999. [Http://www.cnie.org/nle/waste-9.html](http://www.cnie.org/nle/waste-9.html).
- ✓ *Coleman, M. M. D., Whalen, T. J., Landua, A., 1997*, Investigation on the placement of lime neutralization sludge on acid generating waste rock. *Fourth International Conference on Acid Rock Drainage*. Vancouver, Canada, pp. 1163-1175.
- ✓ *COM, 1993*, Propuesta de Directiva sobre Gestión de Vertederos, COM 93/C212/33-60, Diario Oficial de la Comunidad Europea del 5 de Agosto de 1993.
- ✓ *Conner, J. R., 1985*, Method for treating wastes by solidification. Patente US4518508. <http://www.uspto.gov/patft/>.
- ✓ *Conner, J. R., 1986*, Controlled gel time for solidification of multi-phased wastes. Patente: US4600514. [Http://www.uspto.gov/patft/](http://www.uspto.gov/patft/).
- ✓ *Conner, J. R., 1990*, Chemical fixation and solidification of hazardous wastes. Ed. Van Nostrand-Reinhold. New York.

## 5.- Bibliografía

- ✓ *Conner, J. R., Lear, P. R., 1991*, Immobilization of low-level organic compounds in hazardous waste. Air & Waste Management Ass. Annual Meeting, vol. 84, nº11, pp. 91/22.9 1-18.
- ✓ *Conner, J. R., 1995*, Recent findings on immobilization of organics as measured by total constituent analysis. Waste Management, vol. 15, nº 5/6, pp. 359-369.
- ✓ *Conner, J. R., Smith, F. G., 1996a*, Composition and method for immobilizing organic compounds in hazardous wastes and soils. Patente US5536898. <http://www.uspto.gov/patft/>.
- ✓ *Conner, J. R., Smith, F. G., 1996b*, Immobilization of low-level hazardous organics using recycled materials. Stabilization and Solidification of Hazardous, Radioactive, and Mixed Wastes, ASTM STP 1240, Gilliam, T. M., Wiles, C. C., Ed. ASTM, pp. 52-68.
- ✓ *Conner, J. R., Hoeffner, S. L., 1998*, A critical review of stabilization/solidification technology. Critical Reviews in Environmental Science and Technology, vol. 28(4), pp. 397-462.
- ✓ *Cooper, V. A., Nicell, J. A., 1996*, Removal of phenols from a foundry waste water using horseradish peroxidase. Water Res., vol. 30, nº4, pp. 954-964.
- ✓ *Cortés, M., 1998*, Caracterización y evaluación ambiental de micro-contaminantes orgánicos en los sedimentos de la Bahía de Santander. Tesis Doctoral. Departamento de Química de la Universidad de Cantabria. Santander.
- ✓ *Costa, U., Facoetti, M., Guerra, G., 1998*, Cementitious compositions for immobilization or inertization of waste, their preparation and use. Patente EP0864547.
- ✓ *Côté, P. L., Bridle, R., Benedek, A., 1987*, An approach for evaluating long-term leachability from measurement of intrinsic waste properties. Hazardous and Industrial Solid Waste Testing and Disposal. 6<sup>th</sup> volume, ASTM STP 933, Lorenzen, D., Conway, R. A., Jackson, L. P., Hamza, A., Peket, C. L., Lacy, W. J., Eds. ASTM, Philadelphia, pp. 63-78.
- ✓ *Côté, P. L., Caldwell, R., Chao, C. C., 1990*, Physical and chemical containment of organic contaminants in solidified wastes. Waste Management, vol. 10, pp. 95-102.
- ✓ *Cunningham, V. L., Morgan, M. S., Hannah, R. E., 1986*, Effect of natural water source on the toxicity of chemicals to aquatic microorganisms. Aquatic Toxicology and Environmental Fate. 9<sup>th</sup> Volume, ASTM STP 921, Poston, T. M., Purdy, R., Eds. ASTM. Philadelphia, pp. 436-449.



- ✓ *Daniali, S., 1990*, solidification/stabilization of heavy metals in latex modified Portland cement matrices. *Journal of Hazardous Materials*, 24, pp. 225-230.
- ✓ *DeGarmo, E. P., Black, J. T., Kohser, R. A., 1988*, Materiales y procesos de fabricación. 2ª Edición. Ed. Reverté, S. A., pp. 133-158, 299-370.
- ✓ *Dehuai, W., Zhaoyuan, C., 1997*, On predicting compressive strengths of mortars with ternary blends of cement, GGBFS and fly ash. *Cement and Concrete Research*, vol. 27, nº4, pp. 487-493.
- ✓ *Demirbas, A., 1996*, Optimizing the physical and technological properties of cement additives in concrete mixtures. *Cement and Concrete Research*, vol. 26, nº11, pp. 1737-1744.
- ✓ *DIN, 1984a*, Procedimientos Alemanes Uniformes para el Examen de Agua, Agua Residual y Lodo. Determinación del Índice de Fenol. 38409-H16.
- ✓ *DIN, 1984b*, German Standard Determination of the Leachability by Water (S4). Deutsche Norm, Teil 4 Okt, 464-475.
- ✓ *DIN, 1985*, Procedimientos Alemanes Uniformes para el Examen de Agua, Agua Residual y Lodo. Pérdidas por Ignición (LOI), 38414-S3.
- ✓ *DOCE, 1994*, Decisión del Consejo 94/904/CE, de 22 de Diciembre de 1994, por la que se establece una Lista de Residuos Peligrosos en virtud de la Directiva 91/689/CEE del Consejo relativa a los residuos peligrosos. *Diario Oficial de las Comunidades Europeas*, DOCE nºL 356 de 31 de Diciembre de 1994.
- ✓ *DOCE, 1998*, Propuesta modificada de Directiva del Consejo relativa a los valores límite de dióxido de azufre, óxidos de nitrógeno, partículas y plomo en el aire ambiente. *Diario Oficial de las Comunidades Europeas*, 98/C, 259/04, 18 de Octubre de 1998.
- ✓ *DOCE, 1999*, Directiva 99/31/CE del Consejo, de 26 de Abril de 1999, relativa al Vertido de Residuos. *Diario Oficial de las Comunidades Europeas*, nºL 182 de 16 de Julio de 1999.
- ✓ *DOCE, 2000*, Decisión de la Comisión de 3 de mayo de 2000 que sustituye a la Decisión 94/3/CE por la que se establece una lista de residuos. L226/3-24. 2000/532/CE. *Diario Oficial de las Comunidades Europeas*, 6 de Septiembre de 2000.
- ✓ *Doménech, X., 1995*, Química del suelo: el impacto de los contaminantes. Ed. Miraguano. Madrid.

## 5.- Bibliografía

- ✓ *Dusing, D. C., Bishop, P. L., Keener, T. C., 1992*, Effect of redox potential on leaching from stabilized/solidified waste materials. *Journal of Air Waste Management Association*, vol. 42, nº1, pp. 52-62.
- ✓ *Dutré, V., Vandecasteele, C., 1995*, Solidification/stabilization of hazardous arsenic containing waste from a copper refining process. *Journal of Hazardous Materials*, 44, 55-68.
- ✓ *Dutré, V., Vandecasteele, C., 1996*, An evaluation of the solidification/stabilisation of industrial arsenic containing waste using extraction and semi-dynamic leach tests. *Waste Management*, vol. 16, nº7, pp. 625-631.
- ✓ *EPA, 1990*, Toxicity Characteristics Leaching Procedure (TCLP), Appendix I to part 286, March 29.
- ✓ *EPA, 1992a*, Métodos Normalizados para Análisis de Aguas Residuales. Carbono Orgánico Total, ISO 5310.
- ✓ *EPA, 1992b*, Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW 846. pH Electrometric Measurement, 9040A.
- ✓ *EPA, 1992c*, Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW 846. Series 7000A. Atomic Absorption Methods.
- ✓ *EPA, 1995*, Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW 846. Soil and Waste pH, 9045C.
- ✓ *EPA, 1996*, Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW 846. Inductively Coupled Plasma-Atomic Emission Spectrometry, 6010B.
- ✓ *EPA, 1999*, Identification and listing of hazardous waste. 40 CFR, I-Part 261.
- ✓ *Eto, T., Sugihara, M., 1998*, Process for detoxicating noxious wastes. Patente: US5813969. <http://www.uspto.gov/patft/>.
- ✓ *Farooq, S., Nakla, G. F., Essa, M. H., 1996*, Simulation of in-situ bioremediation of phenol contaminated sandy aquifers. 2. Effect of phenol concentration. *Water, Air and Soil Pollution*, vol. 87, 1-4, pp. 283.
- ✓ *Faschan, A., Tittlebaum, M., Cartledge, F., 1996*, A model to predict the TCLP leaching of solidified organic wastes. *Hazardous Waste & Hazardous Materials*, vol. 13, nº3, pp. 333-350.
- ✓ *Fattuhi, N. I., Clark, L. A., 1996*, Cement-based materials containing shredded scrap truck tyre rubber. *Construction and Building Materials*, vol. 10, nº4, pp. 229-236.
- ✓ *Federal Register, 1986*, Toxicity Characteristics Leaching Procedure TCLP. U. S. EPA vol. 51, nº216, Friday, November, 7.

- ✓ *Fernández, J., Barrueso, M. L., Font, R., Sabater, M. C., 1997*, Characterization of tannery wastes. Comparison of three leachability tests. *Journal of Hazardous Materials*, 54, pp. 31-45.
- ✓ *Ferrari, B., Féraud, J. F., 1999a*, Ecotoxicologie des déchets: comment tester l'homosinéité d'un prélèvement de déchet à l'aide de 2 tests d'écotoxicité?. Posters for the Waste Stabilization & Environment'99. Méhu, J., Keck, G., Navarro, A. Ed. Société Alpine de Publications. Lyon. France. pp. 195-197.
- ✓ *Ferrari, B., Féraud, J. F., 1999b*, Ecotoxicologie des déchets: evaluation des flux de polluants par des essais de perco-lixiviation en laboratoire. Posters for the Waste Stabilization & Environment'99. Méhu, J., Keck, G., Navarro, A. Ed. Société Alpine de Publications. Lyon. France. pp. 188-191.
- ✓ *Ferrari, B., Féraud, J. F., 1999c*, Evaluation de l'écotoxicité intrinsèque á l'aide d'une batterie de tests d'écotoxicité réalisés après une lixiviation X30-402. Posters for the Waste Stabilization & Environment'99. Méhu, J., Keck, G., Navarro, A. Ed. Société Alpine de Publications. Lyon. France. pp. 195-197.
- ✓ *Fleming, B. C., Channell, M. G., 1997*, Method for solidification and stabilization of soils contaminated with heavy metals and organic compounds including explosive compounds. Patente: US5683344. <http://www.uspto.gov/patft/>.
- ✓ *Flores, M. M., 1967*, Tratado de metalurgia práctica. Ed. Dossat, S.A. Madrid, pp. 1-40.
- ✓ *Font, R., Gomis, V., Fernández, J., Sabater, M. C., 1998*, Physico-chemical characterization and leaching of tannery wastes. *Waste Management & Research*, 16:2, pp. 139-149.
- ✓ *Freeman, H. M., Harris, E. F., 1995*, Hazardous waste remediation. Innovative treatment technologies. Ed. Technomic. Lancaster.
- ✓ *Frev, R., Litschke, P. I., 1981*, Deposition and definitive evacuation of waste containing constituents which may produce an emission or elution phenomena. Patente FR2471265. 31 pp.
- ✓ *Fryer, D. T., 1993*, Stabilization of petroleum contaminated soil with lime in underground storage tank applications. Patente: US5260502. <http://www.uspto.gov/patft/>.
- ✓ *Fuessle, R. W., Taylor, M. A., 1992*, Comparison of fly ash versus silica fume stabilization: short-term results. *Hazardous Waste & Hazardous Materials*, vol. 9, nº 4, pp. 355-368.

## 5.- Bibliografía

- ✓ *Fuller, R. K., Tamlin, J. L., 1988*, Phenol destruction in foundry waste water. *Modern Casting*, vol. 78, June, pp. 25-27.
- ✓ *Gavaskar, A. R., Means, J. L., Heath, J. C., Nelson, B., 1996*, Remediation of lead-contaminated soils at small arms ranges. *Stabilization and Solidification of Hazardous, Radioactive, and Mixed Wastes*. 3<sup>rd</sup> vol., ASTM, STP 1240. Gilliam, T. M., Wiles, C. C., Eds. ASTM.
- ✓ *Ghafoori, N., Chang, W. F., 1993*, Investigation of phosphate mining waste for construction materials. *Journal of Materials in Civil Engineering*, vol. 5, n<sup>o</sup>2.
- ✓ *Glass, G. K., Buenfeld, N. R., 1999*, Differential acid neutralisation analysis. *Cement and Concrete Research*, 29, pp. 1681-1684.
- ✓ *Glasser, F. P., 1996*, Properties of cement waste composites. *Waste Management*, vol. 16, n<sup>o</sup> 1-3, pp. 159-168.
- ✓ *Glasser, F. P., 1997*, Fundamental aspects of cement solidification and stabilization. *Journal of Hazardous Materials*, vol. 52, pp. 151-170.
- ✓ *Gómez, A, 2000*, Caracterización de residuos industriales con metales pesados. Tesis Doctoral. Departamento Química de la Universidad de Cantabria. Santander. España.
- ✓ *Gopalan, M. K., 1993*, Nucleation and pozzolanic factors in strength development of class F fly ash concrete. *ACI Materials Journal*, vol. 90, n<sup>o</sup>2, pp. 117-121.
- ✓ *Gopalan, M. K., 1995*, Efficiency, skin strength and sorptivity of fly ash concretes. *Materials and Structures*, vol. 28, pp. 235-240.
- ✓ *Grafzu, L., 1982*, Process for binding waste liquor or sludge. Patente US4338134.
- ✓ *Grilc, V., Petkovsek, A., 1997*, Stabilization of boron-containing mineral sludge with various solidification agents. *Waste Management & Research*, vol. 15, pp. 73-86.
- ✓ *Gunther, J. M., 1999*, Lime/cement columnar stabilization of soil. Patente: US5967700. <http://www.uspto.gov/patft/>.
- ✓ *Gutiérrez, R. M., Delvasto, S., 1994*, Production of high strength cements from rice husk ash. *Journal of Resource Management and Technology*, vol. 22, n<sup>o</sup>3, pp. 127-130.
- ✓ *Gutiérrez, R. M., Delvasto, S., 1996*, Potential use of fly ash in Colombian blended cements. *Journal of Solid Waste Technology and Management*, vol. 23, n<sup>o</sup>3, pp. 144-148.
- ✓ *Gutti, C. S., Roy, A., Metcalf, J. B., Seals, R. K., 1996*, The influence of admixtures on the strength and linear expansion of cement-stabilized phosphogypsum. *Cement and Concrete Research*, vol. 26, n<sup>o</sup>7, pp. 1083-1094.

- ✓ *Häkkinen, T., 1993*, The influence of slag content on the microstructure, permeability and mechanical properties of concrete. Part 1. Microstructure studies and basic mechanical properties. *Cement and Concrete Research*, vol. 23, pp. 518-530.
- ✓ *Ham, R. K., Boyle, W. C., Engroff, E. C., Fero, R. L., 1989*, Determining the presence of organic compounds in foundry waste leachates. *Modern Casting*, vol. 79, July, pp. 27-31.
- ✓ *Ham, R. K., Boyle, W. C., Engroff, E. C., Fero, R. L., 1993*, Organic compounds in ferrous foundry process waste leachates. *Journal of Environmental Engineering*, vol. 119, n°1, pp. 34-55.
- ✓ *Hamvush, S. A., El-Hawary, M. M., 1994*, Feather fiber reinforced concrete. *Concrete International*, June, 33-35.
- ✓ *Haque, M. N., Kayali, O. A., Gopalan, M. K., 1992*, Fly ash reduces harmful chloride ions in concrete. *ACI Materials Journal*, vol. 89, n°3, pp. 238-241.
- ✓ *Hebatpuria, V. M., Arafat, H. A., Bishop, P. L., Pinto, N. G., 1999a*, Leaching behavior of selected aromatics in cement-based solidification/stabilization under different leaching tests. *Environmental Engineering Science*, vol. 16, n°6, pp. 451-463.
- ✓ *Hebatpuria, V. M., Arafat, H. A., Rho, H. S., Bishop, P. L., Pinto, N. G., Buchanan, R. C., 1999b*, Immobilization of phenol in cement-based solidified/stabilized hazardous wastes using regenerated activated carbon. Leaching studies. *Journal of Hazardous Materials*, B70, pp. 117-138.
- ✓ *Heckel, G., Wahab, R., 1996*, Soil stabilization utilizing alternative waste materials. *Materials for the New Millenium*, vol. 1, pp. 318-327.
- ✓ *Hohberg, I., Rankers, R., 1994*, Leaching properties of cement bound materials. *Environmental aspects of Constructions with Waste Materials studies in Environmental Science 60*, Goumans, J. J. J. M., van der Sloot, H. A., Aalbers, T. G. Ed. Elsevier. pp. 387-396.7
- ✓ *Hoshino, K., 1984*, Treatment of toxic industrial waste. Patente JP8459288, 4 pp.
- ✓ *Hoyuan, 1999*, Redox effect of heavy metal mobility in landfill sites. [http://geo.dpri.kyoto-u.ac.jp/semi/zhang7\\_19.pdf](http://geo.dpri.kyoto-u.ac.jp/semi/zhang7_19.pdf).
- ✓ *HP, 1983*, Determination and identification of polychlorophenols in waste water. *Chemical analysis literature*. <http://chem.external.hp.com/scripts/>.
- ✓ *HP, 1990*, Selective HPLC analysis of phenols in river water. *Chemical Analysis Literature*. <http://chem.external.hp.com/scripts/>.

## 5.- Bibliografía

- ✓ *Huang, R., Chang, J.-J., Wu, J.-K., 1996*, Correlation between corrosion potential and polarization resistance of rebar in concrete. *Materials Letters*, 28, pp. 445-450.
- ✓ *Huang, W.-H., 1997*, Properties of cement-fly ash grout admixed with bentonite, silica fume or organic fiber. *Cement and Concrete Research*, vol. 27, nº3, pp. 395-406.
- ✓ *Hunahashi, T., Hara, K., Ueshima, K., Uekita, M., 1997*, Waste disposal material and method. Patente: EP0800871.
- ✓ *Huschka, H., Maure, P. G., Neupert, D., 1987*, Conditioning of water-soluble hazardous waste. Patente GE3545592, 4 pp.
- ✓ *Huston, D. A., Daugherty, E. J., 1989*, Method and apparatus for disposing of asbestos-containing material. Patente: US4865488. <http://www.uspto.gov/patft/>.
- ✓ *Hwang, S.-J., Lee, Y.-Y., Lee, C.-S., 1994*, Effect of silica fume on the splice strength of deformed bars of high-performance concrete. *ACI Structural Journal*, vol. 91, nº3.
- ✓ *Ibáñez, R., 1996*, Contribución a la caracterización de residuos industriales. Tesis Doctoral. Departamento de Química de la Universidad de Cantabria. Santander.
- ✓ *Ibáñez, R., Andrés, A., Irabien, J. A., Ortiz, I., 1998*, Fly ash binders in stabilization of FGD wastes. *Journal of Environmental Engineering*, vol. 124, nº1, pp. 43-50.
- ✓ *Ibáñez, R., Irabien, A., 1999*, Identificación y caracterización de residuos peligrosos. *Los residuos peligrosos. Caracterización, tratamiento y gestión*. Rodríguez, J. J., Irabien, A. Ed. Síntesis. Madrid, pp. 35-70.
- ✓ *IHOBE, 1997*, Catálogo de reciclaje industrial de la comunidad del País Vasco. IHOBE.
- ✓ *IHOBE, 1998*, Libro blanco para la minimización de residuos y emisiones. Arenas de moldeo en fundiciones férreas. IHOBE, Junio, 1998.
- ✓ *Ikpong, A. A., 1993*, *The relationship between the strength and non-destructive parameters of rice husk ash concrete*. *Cement and Concrete Research*, vol. 23, pp. 387-398.
- ✓ *INE, 1999*, Instituto Nacional de Estadística. <http://www.ine.es/inebase/cgi/um#20/>.
- ✓ *Irassar, E. F., DiMaio, A., Batic, O. R., 1996*, Sulfate attack on concrete with mineral admixtures. *Cement and Concrete Research*, vol. 26, nº1, pp. 113-123.
- ✓ *ISO, 1987*, Water Quality. Guidelines for the Determination of Total Organic Carbon (TOC), 8245.
- ✓ *ISO, 1989*, Calidad del Agua. Determinación de Halógenos de Compuestos Orgánicos Adsorbibles (AOX). Norma Internacional ISO 9562:1989 (E).

- ✓ *ISO, 1993, Soil Quality. Determination of Dry Matter and Water Content on a Mass Basis-Gravimetric Methods, 11465.*
- ✓ *ISO, 1994, Soil Quality. Determination of Organic and Total Carbon after Dry Combustion, 10694.*
- ✓ *IZASA, 1997, Determinación del Carbono Orgánico Total (TOC) en Sólidos. IZASA-LAB, nº2, pp. 22-23.*
- ✓ *Jantzen, C. M., Pickett, J. B., Martin, H. L., 1995, Method for treating materials for solidification. Patente US5434333. <http://www.uspto.gov/patft/>.*
- ✓ *Jarosinski, A., 1994, Properties of anhydrite cement obtained from apatite phosphogypsum. Cement and Concrete Research, vol. 24, nº1, pp. 209-220.*
- ✓ *Jiyoung, L., Pei, T., 1997, Effect of slag and silica fume on mechanical properties of high strength concrete. Cement and Concrete Research, vol. 27, nº6, pp. 833-837.*
- ✓ *Jones Chemicals, 1997, Solidification/stabilization of hazardous wastes. Chemical Processing, October, pp. 177-178.*
- ✓ *Jun, K.-S., Shin, H.-S., Paik, B.-C., 1997, Microstructural analysis of OPC/silica fume/Na-bentonite interactions in cement based solidification of organic-contaminated hazardous waste. Journal of Environmental Science and Health, vol. A32, nº4, pp. 913-928.*
- ✓ *Kamon, M., Katsumi, J., Watanabe, K., 2000, Heavy-metal leaching from cement stabilized waste sludge. Geotechnics of High Water Content Materials, ASTM STP 1374. Edil, T. B., Fox, P. J., Eds. ASTM. West Conshohocken, PA, pp. 123-136.*
- ✓ *Karapanagioti, H. K., Atalay, A., 1996, Adsorption of acid mine drainage metals on fly ash. Annual Meeting of the American Society for Surface Mining and Reclamation. Knoxville, Tennessee, May, pp. 659-670.*
- ✓ *Keck, R. H., Riggs, E. H., 1997, Specifying fly ash for durable concrete. Concrete International, April, pp. 35-38.*
- ✓ *Kelly, D. S., Diethelm, E. C., 1996, Effects of various additives on the solidification of oily sludges: a bench-scale study. Stabilization and Solidification of Hazardous, Radioactive, and Mixed Wastes. 3<sup>rd</sup> Volume, Gilliam, T. M., Wiles, C. C., Ed. ASTM.*
- ✓ *Keshawarz, M. S., Dutta, V., 1993, Stabilization of south Texas soils with fly ash. Fly Ash for Soil Improvement Proc. ASCE Anu. pp. 30-42.*
- ✓ *Khalil, K. A., 1996, Surface characteristics of Portland cement/blast furnace slag mixtures. Adsorption Science and Technology, vol. 13, nº6, pp. 461-467.*

## 5.- Bibliografía

- ✓ *Khalil, K. A., 1999*, Surface area and pore structure of hardened Portland cement/silica fume pastes containing a superplasticizer. *Adsorption Science & Technology*, vol. 17, nº7, pp. 557-563.
- ✓ *Khan, M. S., Ayers, M. E., 1994*, Optimization of curing of silica fume concretes. *Infrastructure New Materials and Method of Repair*, pp. 820-827.
- ✓ *Khatri, R. P., Sirivivatnanon, V., Gross, W., 1995*, Effect of different supplementary cementitious materials on mechanical properties of high performance concrete. *Cement and Concrete Research*, vol. 25, nº1, pp. 209-220.
- ✓ *Khatri, R. P., Siriviratnanon, V., Yu, L. K., 1997*, Effect of curing on water permeability of concretes prepared with normal Portland cement and with slag and silica fume. *Magazine of Concrete Research*, vol. 49, nº180, 167-172.
- ✓ *Kigel, M. Y., Shuttis, J. F., Goldman, E. S., Demytri, M. K., 1994*, Method of detoxification and stabilization of soils contaminated with chromium ore waste. Patente: US5304710. <http://www.uspto.gov/patft/>.
- ✓ *Kilingkale, F., Anyhan, S., Apak, R., 1997*, Solidification/stabilization of heavy metal-loaded red muds and fly ashes. *Journal of Chemical Technology Biotechnology*, vol. 69, pp. 240-246.
- ✓ *King, G. N., 1986*, Method for stabilization of sludge. Patente: US4615809. <http://www.uspto.gov/patft/>.
- ✓ *Koizumi, K., Tazawa, E.-I., Kawamoto, H., Kawai, K., 1994*, Development of super-flowable concrete with early strength. *Transactions of the Japan Concrete Institute*, vol. 16.
- ✓ *Krishna, R. N., 1996*, Dispersing action of a superplasticizer with different grades of cements and fly ash. *ACI Materials Journal*, vol. 23, nº4.
- ✓ *Kupiek, A. R., Escher, E. D., 1979*, Converting hazardous industrial and other wastes into an inert non-polluting and usefull soil-like product. Patente: US4149968. 4 pp.
- ✓ *LaGrega, M. D., Buckingham, P. L., Evans, J. C., 1996*, Gestión de residuos tóxicos. Tratamiento, eliminación y recuperación de suelos. Ed. McGrawHill. Madrid.
- ✓ *Lahalih, S., Absi-Halabi, M., 1987*, Process for the synthesis of highly stable sulfonated melamine-formaldehyde condensates as superplasticizing admixtures in concrete. Patente US4677159. <http://www.uspto.gov/patft/>.



- ✓ *Larbi, J. A., Steijaert, P. D., 1994*, Microstructure of concretes containing artificial and recycled aggregates. Environmental aspects of Constructions with Waste Materials studies in Environmental Science 60, Goumans, J. J. J. M., van der Sloot, H. A., Aalbers, T. G. Ed. Elsevier, pp. 877-888.
- ✓ *Lawson, M. A., Venn, J. G., Pugh, L. B., Vallis, T., 1996*, In-situ solidification/stabilization pilot study for the treatment of coal tar contaminated soils and river sediments. Stabilization and Solidification of Hazardous, Radioactive, and Mixed Wastes. 3<sup>rd</sup> Volume, Gilliam, T. M., Wiles, C. C., Ed. ASTM.
- ✓ *Leonard, J. B., Latta, L., 1978*, Method of soil stabilization. Patente US4106296.
- ✓ *Lin, C.-K., Chen, J.-N., Lin, C.-C., 1993*, Stabilization/solidification of chromium and cyanide-containing sludges by cement-based fixation processes. Hazardous and Industrial Wastes, pp. 3-12.
- ✓ *Lin, S. L., Cross, W. H., Chian, E. S. K., Lai, J. S., Giabbai, M., Hung, C. H., 1996*, Stabilization and solidification of lead in contaminated soils. Journal of Hazardous Materials, vol. 48, pp. 95-110.
- ✓ *Lo, I. M.-C., 1996*, Solidification/stabilization of phenolic waste using organic-clay complex. Journal of Environmental Engineering. Sep., pp. 850-854.
- ✓ *López, F. A., Sainz, E., Formoso, A., 1993*, Use of granulated blast furnace slag for stabilisation of steelmaking flue dust. Ironmaking and Steelmaking, vol. 20, n<sup>o</sup>4, pp. 293-297.
- ✓ *López, F., Ayala, F. J., 1995*, Contaminación y depuración de suelos. Instituto Tecnológico GeoMinero de España. Madrid.
- ✓ *Lozano, L. J., Meseguer, V. F., de Juan, D., 1999*, Statistical analysis of laboratory results of Zn wastes leaching. Hydrometallurgy, Vol. 54, pp. 41-48.
- ✓ *Lu, F., Mollah, M. Y. A., Hess, T. R., Cocke, D. L., 1996*, Effect of added lignosulfonate superplasticizer on the solidification/stabilization of phenol using Portland cement type V. Journal of Environmental Science and Health, vol. A31, n<sup>o</sup>1, pp. 183-209.
- ✓ *Lucchesi, D., 1973*, Tecnología de la Fundición. Ed. Labor, S. A.
- ✓ *Ludwig, C., Ziegler, F., Johnson, C. A., 1997*, Heavy metal binding mechanisms in cement-based waste materials. Waste Materials in Construction: Putting Theory into Practice. Goumans, Senden and van der Sloot Editors. Elsevier. Amsterdam, pp. 459-468.
- ✓ *Luther, M. D., Smith, P. A., 1994*, Silica fume (microsilica) fundamentals for use in concrete. Proceedings of the Engineering Foundation Conference, pp. 75-106.

## 5.- Bibliografía

- ✓ *Lynn, J., Jablonski, C., Egan, W., 1990*, Process for chemical stabilization of heavy metal bearing dusts and sludges. Patente: US4911757. <http://www.uspto.gov/patft/>.
- ✓ *Macakova, S., Hepworth, M. T., Plesovska, N., Hatala, J., Siska, F., 1997*, Immobilization of heavy metals from MSW incinerator ash via use of soral cement. *Journal of Solid Waste Technology and Management*, vol. 24, nº1, pp. 27-36.
- ✓ *Maher, M. H., Balaguru, P. N., 1993*, Properties of flowable high-volume fly ash-cement composite. *Journal of Materials in Civil Engineering*, vol. 5, nº2.
- ✓ *Malhotra, V. M., 1993*, Fly ash, slag, silica fume, and rice husk ash in concrete: a review. *Concrete International*, April, 23-28.
- ✓ *Mallow, W. A., 1985*, Soil stabilization and method for stabilizing soil. Patente US4545820. <http://www.uspto.gov/patft/>.
- ✓ *Malolepszy, J., Deja, J., 1994*, Immobilization of heavy metal ions by the alkali activated slag cementitious materials. *Environmental aspects of Constructions with Waste Materials studies in Environmental Science* 60, Goumans, J. J. J. M., van der Sloot, H. A., Aalbers, T. G. Ed. Elsevier, pp. 519-524.
- ✓ *Malone, P. G., Poole, T. S., Wakeley, L. D., Burkes, J. P., 1997*, Salt related expansion reactions in Portland cement-bases wasteforms. *Journal of Hazardous Materials*, 52, pp. 237-246.
- ✓ *Mazidji, C. N., Koopman, B., Bitton, G., Neita, D., 1992*, Distinction between heavy metal and organic toxicity using EDTA chelation and microbial assays. *Environmental Toxicology and Water Quality: an International Journal*, vol. 7, pp. 339-353.
- ✓ *Mckennon, J. T., Hains, N. L., Hoffman, D. C., 1994*, Method for producing enhanced soil stabilization reactions between lime and clay soils due to the effect of silica addition. Patente: US5336022. <http://www.uspto.gov/patft/>.
- ✓ *Mennings, B., Reifsnydes, R., Rock, S., 1991*, Use of waterglass for stabilization and fixation of waste. *Proceeding Sardinia 91, 3<sup>rd</sup> International Landfill Symposium*. Margherita di Paula, S. Cagliari, Italy.
- ✓ *Microbics, 1989*, Commercial Information. Madrid.
- ✓ *MINER, 1995*, Prepararse para el futuro. Manual MEDIA: Minimización Económica del Impacto Ambiental en la Industria. Ministerio de Industria y Energía. Euroenviron Eureka.
- ✓ *Minnick, L., Webster, W., Smith, C., 1974*, Lime-fly ash cementitious mixture with improved hardening and expansion characteristics. Patente US3854968.

- ✓ *Misra, M., Yang, K., Mehta, R. K., 1996*, Application of fly ash in the agglomeration of reactive mine tailings. *Journal of Hazardous Materials*, vol. 51, pp. 181-192.
- ✓ *Mitsubishi, 1980*, Solidification aid for sludges. Mitsubishi heavy industries, Ltd. Patente JP80109260.
- ✓ *Mobasher, B., Devaguptapu, R., Arino, A. M., 1996*, Effect of copper slag on the hydration of blended cementitious mixtures. *Materials for the New Millenium*, vol. 2, pp. 1677-1686.
- ✓ *Mollah, M. Y. A., Tsci, Y.-N., Cocke, D. L., 1992*, An FTIR investigation of cement based solidification/stabilization systems doped with cadmium. *Journal of Environmental Science and Health*, A27, 5, pp. 1213-1227.
- ✓ *Mollah, M. Y. A., Palta, P., Hess, T. R., Vempati, R. K., Cocke, D. L., 1995a*, Chemical and physical effects of sodium lignosulfonate superplasticizer on the hydration of Portland cement and solidification/stabilization consequences. *Cement and Concrete Research*, vol. 25, nº3, pp. 671-682.
- ✓ *Mollah, M. Y. A., Vempati, R. K., Lin, T.-C., Cocke, D. L., 1995b*, The interfacial chemistry of solidification/stabilization of metals in cement and pozzolanic material systems. *Waste Management*, vol. 15, nº2, pp. 137-148.
- ✓ *Mollah, M. Y. A., Lu, F., Schennach, R., Cocke, D. L., 1999*, An X-ray diffraction fourier-transform infrared spectroscopy, and scanning electron microscopy/energy-dispersive spectroscopic investigation of the effect of sodium lignosulfonate superplasticizer on the hydration of Portland cement type V. *Polym.-Plast. Technol. Eng.*, vol. 18, nº5, pp. 849-868.
- ✓ *Mollah, M. Y. A., Yu, W., Schennach, R., Cocke, D. L., 2000*, A fourier transform infrared spectroscopic investigation of the early hydration of Portland cement and the influence of sodium lignosulfonate. *Cement and Concrete Research*, vol. 30, pp. 267-273.
- ✓ *Montgomery, D. M., Sollars, C. J., Perry, R., 1988*, Cement-based solidification for the safe disposal of heavy metal contaminated sewage sludge. *Waste Management & Research*, vol. 6, 217-226.
- ✓ *Montgomery, D. M., Sollars, C. J., Perry, R., Tarling, S. E., Barner, P., Henderson, E., 1991*, Treatment of organic-contaminated industrial wastes using cement-based stabilization/solidification. II. Microstructural analysis of the organophilic clay as a pre-solidification adsorbent. *Waste Management & Research*, vol. 9, pp.113-125.
- ✓ *Morgan, D. S., Novoa, J. I., Halff, A. H., 1984*, Oil sludge solidification using cement klin dust. *Journal of Environmental Engineering*, vol. 110, nº5, pp. 935-948.

## 5.- Bibliografía

- ✓ *Morris, P. H., Williams, D. J., 1997*, Co-disposal of washery wastes at Jeebropilly colliery, Queensland, Australia. *Trans. Inst. Min. Metall. Section A: Min. Industry*, vol. 106, January-April, pp. A25-A29.
- ✓ *Moszkowicz, P., Barna, R., Méhu, J., van der Sloot, H., Hoede, D., 1994*, Leaching behavior assessment of wastes solidified with hydraulic binders: critical study of diffusional approach. *Environmental aspects of Constructions with Waste Materials studies in Environmental Science 60*, Goumans, J. J. J. M., van der Sloot, H. A., Aalbers, T. G. Ed. Elsevier.
- ✓ *Myers, T. E., Thompson, T. W., 1987*, Chemical technique for sequestering ammonia off-gassing from solidified waste. *Patente US 283*, 8 pp.
- ✓ *Naaman, A. E., García, S., Korkmaz, M., Li, V. C., 1996*, Investigation of the use of carpet waste PP fibers in concrete. *Materials for the New Millenium*, vol. 1, pp. 782-791.
- ✓ *Nam-Koong, W., 1988*, Removal of phenolic compounds in soil. *Tesis Doctoral*. The University of Texas. May. pp. 1-12, 41-49, 59, 60, 140-144.
- ✓ *Neal, C., Reynolds, B., Robson, A. J., 1999*, Acid neutralization capacity measurements within natural water: towards a standarised approach. *The Science of the Total Environment*, 243/244, pp. 233-241.
- ✓ *Newton, J. P., 1988*, Advanced chemical fixation of organic and inorganic content wastes. *Hazardous Waste: Detection, Control, Treatment*. Abbou, R. Amsterdam. pp. 1591-1608.
- ✓ *Nishizawa, N., Watanabe, T., 1979*, Asphalt solidification of hazardous wastes. *Patente JP79130476*, 4 pp.
- ✓ *Noakes, J. E., 1993*, Solidification of organic waste materials in cement. *Patente US5269975*. <http://www.uspto.gov/patft/>.
- ✓ *O'Hara, M. J., Urban, P., 1986*, Immobilization of lead and cadmium in fly ash. *Patente US4629509*. <http://www.uspto.gov/patft/>.
- ✓ *Oliver, D., Roberts, M., Atkinson, P. Calos, N., 1998*, Stabilizing soil and aggregate mixtures and structures. *Patente US5820302*. <http://www.uspto.gov/patft/>.
- ✓ *Ortego, J. D., 1990*, Spectroscopic and leaching studies of solidified toxic metals. *Journal of Hazardous Materials*, vol. 24, pp. 137-144.
- ✓ *Osborne, G. J., 1986*, The durability of concretes made with gasifier-slag cement. *Durability of Building Materials*, vol. 4, pp. 151-177.
- ✓ *Ota, T., 1983*, Waste solidification. *Patente JP83156399*, 2pp.

- ✓ *Owens, J. W., Stewart, S., 1996*, Cement binders for organic waste. Magazine of Concrete Research, 48, nº174, pp. 37-44.
- ✓ *Ozyildirim, C., 1993*, High-performance concrete for transportation structures. Concrete International, January, pp. 33-38.
- ✓ *Ozyildirim, C., 1994*, Laboratory investigation of low-permeability concretes containing slag and silica fume. ACI Materials Journal, vol. 91, nº2, pp. 197-202.
- ✓ *Ozyildirim, C., Halstead, W. J., 1994*, Improved concrete quality with combinations of fly ash and silica fume. ACI Materials Journal, vol. 91, nº6, pp. 587-594.
- ✓ *Pal, D., Yost, K. W., Chisick, S. A., 1999*, Reduction of leachability and solubility of radionuclides and radioactive substances in contaminated soils and materials. Patente: US5994608. <http://www.uspto.gov/patft/>.
- ✓ *Patsakis, N., Sauvides, C., Haralambous, K. J., Loizidou, M., 1998*, Chemical partitioning of metals in thermally treated sewage sludge. Environmental Technology, vol. 19, pp. 331-338.
- ✓ *Payá, J. Borrachero, V., Monzó, J., Peris-Mora, E., Aliaga, A., 1994a*, Ground fly ashes: characteristics and their influence on fresh and hardened mortars. Environmental aspects of Constructions with Waste Materials studies in Environmental Science 60, Goumans, J. J. J. M., van der Sloot, H. A., Aalbers, T. G. Ed. Elsevier.
- ✓ *Payá, J. Borrachero, V., Monzó, J., Peris-Mora, E., Aliaga, A., 1994b*, Improvement of Portland cement/fly ash mortars strength using classified fly ashes. Environmental aspects of Constructions with Waste Materials studies in Environmental Science 60, Goumans, J. J. J. M., van der Sloot, H. A., Aalbers, T. G. Ed. Elsevier.
- ✓ *Payá, J., Monzó, J., Borrachero, V., Peris-Mora, E., 1996*, Comparisons among magnetic and non-magnetic fly ash fractions: strength development of cement-fly ash mortars. Waste Management, vol. 16, nº 1-3, pp. 119-124.
- ✓ *Percin, P. R., Sawyer, S., 1991*, Long-term monitoring of the Hazcon stabilization process at the Douglassville, Pennsylvania Superfund site. Journal of Air Waste Management Association, vol. 41, nº1, pp. 88-91.
- ✓ *Pickford, C., Crompton, S., 1996*, Foamed concrete in bridge construction. Concrete, Nov./Dec., pp 14-16.
- ✓ *Pietersen, H. S., Bijen, J. M. J. M., 1994*, Fly ash and slag reactivity in cements. TME evidence and application of thermodynamic modeling. Environmental aspects

## 5.- Bibliografía

- of Constructions with Waste Materials studies in Environmental Science 60, Goumans, J. J. J. M., van der Sloot, H. A., Aalbers, T. G. Ed. Elsevier, pp. 949-960.
- ✓ *Plowman, C., 1994*, Sulphate and acid attack on concrete in ground and landfill. Environmental aspects of Constructions with Waste Materials studies in Environmental Science 60, Goumans, J. J. J. M., van der Sloot, H. A., Aalbers, T. G. Ed. Elsevier, pp. 917-924.
  - ✓ *Plowman, C., Cabrera, J. G., 1996*, The use of fly ash to improve the sulphate resistance of concrete. Waste Management, vol. 16, nº 1-3, pp. 145-149.
  - ✓ *Polcaro, A. M., Palmas, S., Mascia, M., Renoldi, F., 2000*, Co-disposal of industrial wastes to obtain an inert material for environmental reclamation. Annali di Chimica, vol. 90, pp. 103-111.
  - ✓ *Pollard, S. J. T., Montgomery, D. M., Sollars, C. J., Perry, R., 1991*, Organic compounds in the cement-based stabilisation/solidification of hazardous mixed wastes-Mechanistic and process considerations. Journal of Hazardous Materials, vol. 28, pp. 313-327.
  - ✓ *Poon, C. S., Peters, C. J., Perry, R., Barnes, P., Barker, a. P., 1985*, Mechanisms of metal stabilization by cement based fixation processes. The Science of the Total Environment, vol. 41, pp. 55-71.
  - ✓ *Poon, C. S., Lio, K. W., 1997*, The limitation of the toxicity characteristic leaching procedure for evaluating cement-based stabilised/solidified waste forms. Waste Management, vol. 17, nº1, pp. 15-23.
  - ✓ *Pu, X., 1999*, Investigation on pozzolanic effect of mineral additives in cement and concrete by specific strength index. Cement and Concrete Research, vol. 29, pp. 951-955.
  - ✓ *Quaresima, R., Scoccia, G., Volpe, R., Medici, F., Merlic, C., 1996*, Influence of silica fume on the immobilization properties of cementitious mortars exposed to freeze-thaw cycles. Stabilization and Solidification of Hazardous, Radioactive, and Mixed Wastes. 3<sup>rd</sup> vol., ASTM, STP 1240. Gilliam, T. M., Wiles, C. C., Eds. ASTM, pp. 135-147.
  - ✓ *Ravina, D., 1996*, Effect of prolonged mixing on compressive strength of concrete with and without fly ash and/or chemical admixtures. ACI Materials Journal, Sept./Oct., pp. 451-456.
  - ✓ *Rebeiz, K. S., Rosett, J. W., Nesbit, S. M., Craft, A. P., 1996*, Tensile properties of polyester mortar using PET and fly ash wastes. Journal of Material Science Letters, vol. 15, pp. 1273-1275.

- ✓ Reddi, L. N., Rieck, G. P., Schawab, A. P., Chou, S. T., Fan, L. T., 1996, Stabilization of phenolic in foundry waste using cementitious materials. *Journal of Hazardous Materials*, vol. 45, pp. 89-106.
- ✓ Rinehart, T. L., Schulze, D. G., Bricka, R. M., Bejt, S., Blatchley III, E. R., 1997, Chromium leaching versus oxidation state for a contaminated solidified/stabilized soil. *Journal of Hazardous Materials*, vol. 52, pp. 213-221.
- ✓ Rodríguez, J. J., Irabien, A., 1999, Los residuos peligrosos. Caracterización, tratamiento y gestión. Ed. Síntesis. Madrid.
- ✓ Roy, A., Eaton, H. C., Cartledge, F. K., Tittlebaum, M. E., 1991, Solidification/stabilization of a heavy metal sludge by a Portland cement/fly ash binding mixture. *Hazardous Waste & Hazardous Materials*, vol. 8, nº1, pp. 33-41.
- ✓ Roy, A., Eaton, H. C., Cartledge, F. K., Tittlebaum, M. E., 1992, Solidification/stabilization of hazardous waste: evidence of physical encapsulation. *Environmental Science and Technology*, vol. 26, pp. 1349-1353.
- ✓ Roy, A., Eaton, H. C., Cartledge, F. K., Tittlebaum, M. E., 1993, Solidification/stabilization of a synthetic electroplating sludge in cementitious binders containing NaOH. *Journal of Hazardous Materials*, vol. 35, pp. 53-71.
- ✓ Rudin, 1996, Leaching of selenium from cement-based matrices. *Waste Management*, vol. 16, nº4, pp. 305-311.
- ✓ Ruiz, M. C., 1998, Caracterización y gestión ambiental de residuos siderúrgicos: lodos de fundición. Tesis Doctoral. Departamento de Química. Universidad de Cantabria. Santander.
- ✓ Ruiz, M. C., Andrés, A., Irabien, A., 1999, Óxido de calcio para la estabilización de lodos de fundición. *Ingeniería Química*, vol. 31, nº 358, pp. 147-151.
- ✓ Ruiz, M. C., Andrés, A., Irabien, A., 2000a, Environmental charazterisation of ferrous foundry wastes. *Environmental Technology*, vol. 21, pp. 891-899.
- ✓ Ruiz, M. C., Andrés, A., Irabien, A., 2000b, Stabilization assessment of phenolic compounds from foundry sludge using additives. *Fresenius Environmental Bulletin*, 9, pp- 251-256.
- ✓ Ruiz, M. C., Coz, A., Andrés, A., Irabien, A., 2000, Tratamiento de compuestos orgánicos con óxido de calcio con fines de vertido. Reunión Científico Técnica Sobre Contaminación del Suelo y Subsuelo por productos Orgánicos: Aspectos Legales y Técnicos. Universidad de Oviedo. Oviedo.

## 5.- Bibliografía

- ✓ *Rysman de Lockerente, S. Van de Voorde, N., 1976*, Treatment of wastes, specially toxic wastes with a silicate, to form a solid aggregate. Patente Belg. N° 842206, 16 pp.
- ✓ *Salas, A., de Gutiérrez, R., Delvasto, S., 1997*, High performance concretes with silica fume. *Journal of Solid Waste Technology and Management*, vol. 24, nº2, pp. 74-77.
- ✓ *Sánchez, F., Garrabrants, A. C., Kosson, T. T., Méhu, J., Kosson, D. S., 1997*, Evaluation of contaminant release mechanisms for stabilized/solidified wastes. *Waste materials in Constructions: Putting Theory into Practice*. Goumans/Senden/van der Sloot Editors. Elsevier, pp. 787-802.
- ✓ *Santhanam, C. J., Lunt, R. R., 1981*, Flue gas cleaning wastes disposal and utilization. Noyes Data Corporation, Park Ridge, New Jersey, USA.
- ✓ *Sarritzu, G., 1999*, Inertization of waste material contaminated with heavy metals. Patente: WO9944688.
- ✓ *Serna, J., 1991*, Cinética de adsorción de mezclas de compuestos fenólicos en disolución acuosa con carbón activado. Tesis Doctoral. Departamento de Ingeniería Química. Facultad de Ciencias Químicas. Universidad Complutense de Madrid. pp. 1-3, 18-23, 50-69, 299-303.
- ✓ *Shaheen, Y. B. I., Fahny, E. H., Korany, Y. S., 1997*, High performance concrete mortar using blast furnace slag. Annual Conference of the Canadian Society for Civil Engineering. Sherbrooke, Québec, 27-30 May, pp. 21-30.
- ✓ *Sharma, R. L., Pandey, S. P., 1999*, Influence of mineral additives on the hydration characteristics of ordinary Portland cement. *Cement and Concrete Research*, vol. 29, pp. 1525-1529.
- ✓ *Shendy, S. M., First, R. C., Farrington, S. A., 1999*, A deep mix soil stabilization and method. Patente: EP0921173.
- ✓ *Sheriff, T. S., Sollars, C. J., Montgomery, D., Perry, R., 1989*, The use of activated charcoal and tetralkylammonium-substituted clays in cement-based stabilization/solidification of phenols and chlorinated phenols. *Hazardous and Radioactive Wastes*, pp. 273-286.
- ✓ *Shi, C., Stegemann, J. A., Caldwell, R. J., 1995*, Quality analysis/quality control tests for field stabilization/solidification-1. Dry cementing additives. *Waste Management*, vol. 15, nº4, pp. 265-270.



- ✓ *Shikami, G., Shikata, R., 1977*, Solidification of harmful industrial wastes with special rapid hardening cement. Rev. Gen. Meet, Tech. Sess.-Cem. Assoc. Japan, 31, 67-69.
- ✓ *Shin, H.-S., Jun, K.-S., 1995*, Cement based stabilization/solidification of organic contaminated hazardous wastes using Na-bentonite and silica fume. Journal of Environmental Science and Health, vol. A30, nº3, pp. 651-668.
- ✓ *Shum, M., Lavkulich, L., 1999*, Speciation and solubility relationships of Al, Cu and Fe in solutions associated with sulfuric acid leached mine waste rock. Environmental Geology, vol. 38, nº1, pp. 59-68.
- ✓ *Siegrist, R. L., Cline, S. R., Gilliam, T. M., Conner, J. R., 1996*, In-situ stabilization of mixed waste contaminated soil. Stabilization and Solidification of Hazardous, Radioactive, and Mixed Wastes. 3<sup>rd</sup> Volume, Gilliam, T. M., Wiles, C. C., Ed. ASTM.
- ✓ *Soundararajan, R., Gibbons, J. J., 1991*, Evaluation of chemical bonding between organophilic binders and organic hazardous waste. Journal of Clean Technology and Environmental Sciences, vol. 1, nº2, pp. 165-176.
- ✓ *Spangle, L. B., Coleman, S. E., 1989*, Method for underground support and removal of hazardous ions in ground waters. Patente US4859344. <http://www.uspto.gov/patft/>.
- ✓ *Spence, R. D., 1993*, Chemistry and microstructure of solidified waste forms. Lewis Publishers.
- ✓ *Stablex, A.-G., 1979*, Disposal of dangerous wastes, Patente BE871393, 13 pp.
- ✓ *Standard Methods, 1992a*, Métodos Normalizados para el Análisis de Aguas Potables y Residuales. 18<sup>th</sup> Edition. Ed. Díaz de Santos, S.A. Madrid. Digestión Ácida, APHA 3030H.
- ✓ *Standard Methods, 1992b*, Métodos Normalizados para el Análisis de Aguas Potables y Residuales. 18<sup>th</sup> Edition. Ed. Díaz de Santos, S.A. Madrid. Metales por Acoplamiento de Plasma Inductivo, 3120B.
- ✓ *Stegemann, J. A., Côté, P. L., Hannak, P., 1988*, Preliminary Results of an International Government/Industry Cooperative Study of Waste Stabilization/Solidification. Hazardous Waste: Detection, Control, Treatment. R. Abbou, Ed. Elsevier. The Netherlands, pp. 1539-1548.

## 5.- Bibliografía

- ✓ *Stegemann, J. A., Côté, P. L., 1991*, Investigation of Test Methods for Solidified Waste Evaluation. Appendix B: Test Methods for Solidified Waste Evaluation. Environment Canada Manuscript Series, Document T5-15, Burlington, Ontario, Canada, pp. 49-52.
- ✓ *Stegemann, J. A., Buenfeld, N. R., 1999*, Neural network analysis for prediction of interactions in cement waste systems NNAPICS. Proceedings for the Waste Stabilization & Environment 99. Mehu, J., Keck, G., Navarro, A. Ed. Société Alpine de Publications. Lyon. France, pp. 226-254.
- ✓ *Stegemann, J. A., Roy, A., Caldwell, R. J., Schilling, P. J., Tittsworth, R., 2000*, Understanding environmental leachability of electric arc furnace dust. Journal of Environmental Engineering, vol. 126, nº2, pp. 112-120.
- ✓ *Stinson, M. K., Sawyer, S., 1989*, In-situ stabilization/solidification of PCB-contaminated soil. In: A review of solidification/stabilization interferences. Trussell, S., Spence, R. D., 1994, Waste Management, vol. 14, nº6, 507-519.
- ✓ *Stöber, S., Pöllmann, H., 1998*, Crystalchemistry of organic sulfonates used as cement additive. Materials Science Forum, vol. 278-281, pp. 904-908.
- ✓ *Stoitchkov, V., Abadjiev, P., Lilkov, V., Varileva, V., 1996*, Effect of the “pozzolit” active mineral admixture on the properties of cement mortars and concretes. Part 1. Physical and mechanical properties. Cement and Concrete Research, vol. 26, nº7, pp. 1065-1071.
- ✓ *Studer, R., 1998*, Solidification and stabilization of dredged materials. Patente: WO9851760.
- ✓ *Suárez, M., 1993a*, Procesos de inertización y solidificación de residuos (I) Bases para la selección de los procesos de tratamiento. Medio Ambiente RETEMA, Marzo-Abril, pp. 105-108.
- ✓ *Suárez, M., 1993b*, Procesos de inertización y solidificación de residuos (II) Tecnologías y aplicaciones. Medio Ambiente RETEMA, Noviembre-Diciembre, pp. 69-74.
- ✓ *Takenaka, 1979*, Solidification of hazardous waste. Takenaka Komuten Co. Ltd. Patente JP7962169, 7 pp.
- ✓ *Takuma, Y., Fujita, H., Sakamoto, H., Kobayashi, K., Haga, K., Vchida, S., 1996*, Hydration and pH behavior of the cement prepared from the mixture of Haüyne-containing clinker anhydrite and blast furnace slag. Journal of the Ceramic Society of Japan, Int. Edition, vol. 104, nº11, pp. 1040-1047.

- ✓ *Tamás, F. D., Csetényi, L., Tritthart, J., 1992*, Effect of adsorbents on the leachability of cement bonded electroplating wastes. *Cement and Concrete Research*, vol. 22, pp. 399-404.
- ✓ *Taylor, M. A., Fuessle, R. W., 1994*, Effects of accelerators on stabilization of K061 hazardous waste. *Hazardous Waste & Hazardous Materials*, vol. 11, nº 4, pp. 529-539.
- ✓ *Thomas, M. D. A., Blackwell, B. Q., Nixon, P. J., 1996*, Estimating the alkali contribution from fly ash to expansion due to alkali-aggregate reaction in concrete. *Magazine of Concrete Research*, vol. 48, nº177, 251-264.
- ✓ *Tirssa, 1979*, Tratamiento industrial de residuos sólidos. Patente Española nº 470484, 24 pp.
- ✓ *Toy, J.-H., Show, K.-Y., 1996*, Utilization of ashes from oil-palm wastes as a cement replacement material. *Water Science Technology*, vol. 34, nº11, pp. 185-192.
- ✓ *Troyano, J. O. D., Salvador, L., 1996*, Tratamiento estabilización/solidificación de un residuo siderúrgico con cenizas volantes. *Ingeniería Química*, Enero, 179-184.
- ✓ *Trussell, S., Spence, R. D., 1994*, A review of solidification/stabilization interferences. *Waste Management*, vol. 14, nº6, pp.507-519.
- ✓ *Tseng, D.-H., 1988*, Solidification/stabilization of hazardous sludges with Portland cement. *Journal of the Chinese Institute of Engineers*, vol. 11, nº3, pp. 219-225.
- ✓ *Tsukasa, H., 1978*, Experiments on compacting of sewage sludge combustion ash. *Stabilization, Detoxication, and Weight Reduction*, Suido Koron, 14, 7, pp. 28-31.
- ✓ *Tüfekçi, M., Demirbas, A., Genç, H., 1997*, Evaluation of steel furnace slags as cement additives. *Cement and Concrete Research*, vol. 27, nº11, pp. 1713-1717.
- ✓ *Tuncan, M., Tuncan, A., Koyuncu, H., 1997*, Stabilization of petroleum contaminated drilling wastes by additives. *Proceedings of the 7<sup>th</sup> International Offshore and Polar Engineering Conference*. Honolulu, USA, pp. 950-953.
- ✓ *Turco, M. A., Zenobia, K. E., 1987*, A case study: lime –a hazardous waste stabilization agent. *ASTM Special Tech. Publication*, 931, No Lime Environment, pp. 69-77.
- ✓ *Twidwell, L. G., Plessas, K. O., Comba, P. G., Danlike, D. R., 1994*, Removal of arsenic from wastewater and stabilization of arsenic bearing waste solids: summary of experimental studies. *Journal of Hazardous Materials*, 36, pp. 69-80.
- ✓ *Ueshima, K., Ikitsu, N., Nomura, T., Funahashi, T., Uekita, M., 1998*, Method for treating wastes. Patente: US5810920. <http://www.uspto.gov/patft/>.

## 5.- Bibliografía

- ✓ *Undebarrena, M., 1999*, Deshidratación térmica de lodos en el ámbito industrial. Ingeniería Química. Tratamiento de Lodos, Junio, pp. 131-134.
- ✓ *Vadillo, L., 1995*, Manual de reutilización de residuos de la industria minera, siderometalúrgica y termoeléctrica. Instituto Tecnológico GeoMinero de España. Madrid.
- ✓ *van der Sloot, H. A., 1999a*, Characterization of the leaching behaviour of concrete mortars and of cement-stabilized wastes with different waste loading for long term environmental assessment. Proceedings for the Waste Stabilization & Environment 99. Méhu, J., Keck, G., Navarro, A. Ed. Société Alpine de Publications. Lyon. France. pp. 131-139.
- ✓ *van der Sloot, H. A., 1999b*, Newsletter network on harmonization of leaching/extraction tests. <http://www.leaching.net/>.
- ✓ *van Note, K., Miller, C. C., Lichtyer, J. C., 1985*, Foundry waste stabilization laboratory testing and conceptual design. AFS Transactions, 85-65, pp. 395-405.
- ✓ *Vichyama, N., Horiuchi, S., 1994*, In situ utilization of waste bentonite slurry. Environmental aspects of Constructions with Waste Materials studies in Environmental Science 60, Goumans, J. J. J. M., van der Sloot, H. A., Aalbers, T. G. Ed. Elsevier, pp. 217-226.
- ✓ *Viguri, J., Andrés, A., Ruiz, C., Irabien, A, Castro, F., 2001*, Cement-waste and clay-waste derived products from metal hydroxides wastes. Environmental characterization. Trans. IchemE, vol. 79, Part B, pp. 38-44.
- ✓ *Vipulanandan, C., 1995*, Effect of clays and cement on the solidification/stabilization of phenol-contaminated soils. Waste Management, vol. 15, nº 5/6, pp. 399-406.
- ✓ *Vipulanandan, C., Mamidi, H. B., Wang, S., Krishman, S., 2000*, Solidification/stabilization of phenol contaminated soils. Geoenvironment, pp. 1409-1421.
- ✓ *Vogel, P., Schmidt, M., 1994*, Immobilization of phenol and PAH by special hydraulic binders. Environmental aspects of Constructions with Waste Materials studies in Environmental Science 60, Goumans, J. J. J. M., van der Sloot, H. A., Aalbers, T. G. Ed. Elsevier. pp. 247-256.
- ✓ *Waller, V., Naproux, P., De Larrard, F., 1997*, Contribution des fumées de silice et des cendres volantes silico-alumineuses à la résistance en compression du béton quantification. Bulletin des Laboratoires des Ponts et Chaussées, 208, May-Avril, pp. 53-65.

- ✓ Wang, K.-W., Baltzis, B. C., Lewandowski, G. A., 1996, Kinetics of phenol biodegradation in the presence of glucose. *Biotechnology and Bioengineering*, vol. 51, pp. 87.
- ✓ Weeter, D. W., 1982, Hazardous waste fixation using dry flue gas desulfurization waste. *Resour. Conserv.*, 9, pp. 143-148.
- ✓ Weinwright, P. J., Cabrera, J. G., 1994, Use of demolition concrete to produce durable structural concrete. *Environmental aspects of Constructions with Waste Materials studies in Environmental Science 60*, Goumans, J. J. J. M., van der Sloot, H. A., Aalbers, T. G. Ed. Elsevier, pp. 553-562.
- ✓ Weszely, R. R., 1996, Method for the treatment and stabilization of hazardous waste. Patente: US5582573. <http://www.uspto.gov/patft/>.
- ✓ Wiles, C. C., Barth, E., 1992, Solidification/stabilization: is it always appropriate?. *Stabilization and Solidification of Hazardous, Radioactive, and Mixed Wastes*, 2<sup>nd</sup> Vol., ASTM STP 1123. Gilliam, T. M., Wiles, C. C., Eds. ASTM. Philadelphia, pp. 18-32.
- ✓ Wu, D., Huang, B., 1996, Slag/mud mixtures improve cementing operations in China. *Oil & Gas Journal*, Dec., 23, pp. 95-99.
- ✓ Yan, J., Moreno, L., Neretnieks, I., 2000, The long-term acid neutralizing capacity of steel slag. *Waste Management*, 20, pp. 217-223.
- ✓ Yang, G. C. C., Lee, C. H., Hsiue, G.-H., 1993, Properties of a mercury-containing sludge solidified by polimer latex modified cementitious materials. *Hazardous Waste and Hazardous Materials*, vol. 10, n<sup>o</sup>4.
- ✓ Yost, K. W., Pal, D., 1999, Fixation and stabilization of metals in contaminated soils and materials. Patente: US5916123. <http://www.uspto.gov/patft/>.
- ✓ Zakaria, M., Cabrera, J. G., 1996, Performance and durability of concrete made with demolition waste and artificial fly ash-clay aggregates. *Waste Management*, vol. 16, n<sup>o</sup> 1-3, pp. 151-158.
- ✓ Ziegler, F., Johnson, C. A., Giere, R., 1999, Heavy metal binding mechanisms in cement-based waste materials: incorporation of zinc in calcium silicate hydrate (CSH). *Proceedings for the Waste Stabilization & Environment`99*. Méhu, J., Keck, G., Navarro, A. Lyon. France. pp. 36-40.