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	ENEA- Casaccia, via Anguillarese 301- 00123- Rome

EDUCATION

1987, University of Rome - MSc in Biological Science

1992, University of Milan – PhD in Plant Biology

WORK EXPERIENCE:

Key-words: bioremediation, heavy metals, microbial biotechnology, microbial ecology, biodiversity, metabolism.

Chiara Alisi studied biology in Rome, Italy. After finishing her PhD thesis in 1992, she was post-doc student and NRC fellow in Milan (University “La Statale”). From 1994 to 1998 she was Oversea Expert at the Institute for Science and Technology (Chiang Mai University -Thailand). Returning to Italy, since 2000 she has been researcher at the ENEA-Casaccia Research Centre, working at the Environmental Microbiology Laboratory.

RESEARCH AREAS

- Feasibility studies on the bioremediation processes of polluted soils and sludges.
- Isolation of native microorganisms with from polluted and unpolluted sites for biotechnological and industrial applications.
- Microbiological characterization of archaeological sites and isolation of microbes with metabolic characteristics useful to be employed in bioremediation of cultural heritage.
- Study of the microbiological process behind the anaerobic digestion of biomass and biowastes for biogas production.
- Microorganism cells as a model in the study of response to environmental stresses.

AWARDS

2008- Premio Eccellenze ENEA

PROFESSIONAL SOCIETIES

Member of IBBS(International Biodeterioration and Biodegradation Society) and SIMGBM (Societa’ Italiana Di Microbiologia Generale e Biotecnologie Microbiche)

PROFESSIONAL ACTIVITIES

Lecturer : Master School in “Planning of the remediation interventio and environmental restoration of polluted sites”.Dip. di Scienze della Terra, Università di Camerino, Italy

Referee for Microbial Ecology, Journal of Environmental Management, Biochemical Engineering Journal, Ecotoxicology and Environmental Safety, Environmental Science and Pollution Research, Journal of Hazardous Materials, Biodegradation, ScienceAsia, Environmental Technology

PUBLICATIONS 2006-2011

1. Migliore G., **Alisi C.**, Sprocati A.R., Massi E., Ciccoli R., Lenzi M., Wang A., Cremisini C. (2011) An exploratory study for evaluating direct methane production through digestion of macroalgae biomass and sediments sourced from a Mediterranean coastal Lagoon. Submitted to Biomass and Bioenergy.
2. Anna Rosa Sprocati, **Chiara Alisi**, Flavia Tasso, Paola Marconi, Andrea Sciullo, Valentina Pinto, Salvatore Chiavarini, Carla Ubaldi and Carlo Cremisini (2011) Feasibility study for bioremediation of a soil co-contaminated by diesel oil and heavy metals using a tailor-made microbial formula as bioaugmentation agent. Process Biochemistry, in press.

3. E. Massi, C. Matano, R. Ciccoli, **C. Alisi**, V. Cigolotti, G. De Gioannis, S.J.Mcphail, A. Muntoni, A. Poletini, R. Pomi, A.R. Sprocati, F. Tasso, A. Moreno (2010) Energetic assessment of agricultural residues by anaerobic digestion integrated with biogas utilization in fuel cells. Proceedings Venice 2010, Third International Symposium on Energy from Biomass and Waste, Venice, Italy; 8-11 November 2010 © 2010 by CISA, Environmental Sanitary Engineering Centre
4. Flavia Tasso, **Chiara Alisi**, Michela Grimaldi, Nicoletta Barbabietola, Paola Marconi, Carlo Cremisini and Anna Rosa Sprocati (2009) Biodegradation of natural and synthetic resins and wax by microbial strains for the development of artworks biocleaning procedures. XXVIII CONVEGNO NAZIONALE SIMGBM Spoleto 11/13 giugno 2009
5. **Chiara Alisi**, Rosario Musella, Flavia Tasso, Carla Ubaldi, Sonia Manzo, Carlo Cremisini and Anna Rosa Sprocati (2009) Bioremediation of diesel oil in a co-contaminated soil by bioaugmentation with a microbial formula tailored with native strains selected for heavy metals resistance. *Science of the Total Environment* 407 (8): 3024-3032.
6. Anna Rosa Sprocati, **Chiara Alisi**, Flavia Tasso, Elisabetta Vedovato, Nicoletta Barbabietola and Carlo Cremisini. (2008) A microbiological survey of the Etruscan Mercareccia Tomb (Italy): contribution of microorganisms to deterioration and restoration. Art2008 Jerusalem 26-29 May 2008
7. Angelone M., Armiento G., Cremisini C., Spaziani F., Sprocati A.R., **Alisi C.** (2007) La contaminazione dei suoli da metalli pesanti: problemi emergenti, nuovi approcci di studio e prospettive nell'analisi strumentale in campo. In: Rendiconti Accademia Nazionale delle Scienze, detta dei XL. Memorie di Scienze Fisiche e Naturali. Vol. XXX, pp 1-30.
8. Massanisso P., Nardi E., Pacifico R., D'Annibale L., Cremisini C., and **Alisi C.** (2007) Recycling of ecocompatible treated red mud and compost from SS-MSW: examples of use on sediment and mine soil samples. In: Material Science Research Horizons. Nova Science Publishers, Inc. Ed: Hans P. Glick, ISBN 978-1-60021-481-9, chapter
9. Anna Rosa Sprocati, **Chiara Alisi**, Flavia Tasso, Lia Segre, Carlo Cremisini (2006) Comparison of microbial communities native to three differently polluted ecological niches in the industrial site of Bagnoli (Naples, Italy). In: *Recent research developments in multidisciplinary applied microbiology*. Wiley-VCH. ISBN 3-527-31611-6
10. D. Braconi, M. Sotgiu, L. Millucci, A. Paffetti, F. Tasso, **C. Alisi**, S. Martini, R. Rappuoli, A.R. Sprocati, C. Rossi, A. Santucci (2006) Comparative analysis of the effects of locally used herbicides and their active ingredients on a wild-type wine *Saccharomyces cerevisiae* strain. *Journal of Agricultural and Food Chemistry*, 54(8):3163-3172
11. **Chiara Alisi**, Giovanna Jona Lasinio, Claudia Dalmastrì, Anna Rosa Sprocati, Silvia Tabacchioni, Annamaria Bevivino and Luigi Chiarini. (2005) Metabolic profiling of *Burkholderia cenocepacia*, *Burkholderia ambifaria*, and *Burkholderia pyrrocinia* isolates from maize rhizosphere. *Microbial Ecology* 50:385-395.
12. Anna Rosa Sprocati, **Chiara Alisi**, Flavia Tasso, Lia Segre, Carlo Cremisini (2006) Investigating heavy metal resistance, bioaccumulation and metabolic profile of a metallophilic microbial consortium native to an abandoned mine. *Science of Total Environment*, 366(2-3):649-658.