



## **Dr Giacomo Maini BSc, PhD** **Managing Director**

Dr Giacomo Maini spent two years at the University of Bologna, Italy, studying for a degree in agricultural sciences then subsequently won an Erasmus Scholarship and moved to England to study at the University of Kent. At the University of Kent he obtained a first degree in Microbiology and then proceeded to complete a PhD in Environmental Microbiology; investigating the microbial degradation of pesticides in the aqueous environment.

Dr Maini joined IBS Viridian Ltd in 1996 as the lead investigator of a LINK grant looking at the remediation of heavy metals in contaminated land using a novel electrokinetic technique. In 1998 he became responsible for technical project management of in-situ and ex-situ bioremediation projects for Viridian in England, Italy and Indonesia.

Dr Maini initiated the formation of Ecologia Environmental Solutions Ltd in the UK in 2000, with the view of providing technical expertise and consultancy to companies operating in the contaminated land market. Over the years Ecologia has undergone significant expansion, opening UK offices in the Midlands, South West, Ireland and the set up a subsidiary company in Italy. The company has also increased the range of services offered by developing an in house drilling & geotechnical division. Dr Maini's role as Managing Director of Ecologia is to provide strategic guidance to the ongoing activities of the company and client liaison, but he also retains a very active role in several commercial and R&D projects.

## **Publications**

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- 2010 Maini G., Houn G., Will F., Roland U. "Treatment of Hydrocarbon Contamination in Chalk Using In Situ Radio Frequency Heating (ISRFH) at a Former Petrol Filling Station in Kent, England" Seventh International Conference on Remediation of Chlorinated and Recalcitrant Compounds (Monterey, CA; May 2010). ISBN 978-0-9819730-2-9, Battelle Memorial Institute, Columbus, OH, [www.battelle.org/chlorcon](http://www.battelle.org/chlorcon).
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- 2000 Maini G; Sharman, A.K., Knowles C.J.; Sunderland G.; Jackman S.A. "Electrokinetic removal of heavy metals, PAHs and BTEX from contaminated soil of a former gasworks site" *Journal of Chemical Technology and Biotechnology* Vol 75: 657-664
- 2000 Maini G., Sharman A.K, Sunderland G., Jackman S.A and Knowles C.J "An integrated method incorporating sulphur oxidizing bacteria and electrokinetics to enhance removal of copper from contaminated soil." *Environmental Science and Technology* Vol 34 No. 6: 1081-1087
- 1999 Jackman S.A., Maini G, Sharman A.K and Knowles C.J " The effect of direct electric current on the viability and metabolism of acidophilic bacteria". *Enzyme and Microbial Technology* 24: 316-324
- 1999 Maini G., Sharman A.K, Sunderland G., Jackman S.A and Knowles C.J "Enhanced removal of copper from contaminated silt soil using bioelectrokinesis" *Proceedings from the fifth In situ On site Bioremediation International Symposium San Diego California 19-22 April, Battelle Press Columbus Ohio; 5 (4): 127-134*