



ENCYCLOPEDIA *of* SOIL SCIENCE

Edited by
Ward Chesworth

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ENCYCLOPEDIA of EARTH SCIENCES SERIES

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ENCYCLOPEDIA *of* SOIL SCIENCE

edited by

WARD CHESWORTH
University of Guelph
Canada

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Encyclopedia of Earth Sciences Series

ENCYCLOPEDIA OF SOIL SCIENCE

Volume Editor

Ward Chesworth is Professor Emeritus of Geochemistry at the University of Guelph, Ontario, Canada. He co-edited *Weathering, Soils and Paleosols*, and three volumes of the annual Hammond Lecture Series broadcast in part by the Canadian Broadcasting Corporation: *Malthus and the Third Millennium*, *Sustainable Development*, and *The Human Ecological Footprint*. He co-wrote *Perspectives on Canadian Geology*. In 2003 he received the Halbouty Prize of the Geological Society of America, of which he is a Fellow.

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About the Editors

Professor Charles W. Finkl has edited and/or contributed to more than 8 volumes in the *Encyclopedia of Earth Sciences Series*. For the past 25 years he has been the Executive Director of the Coastal Education & Research Foundation and Editor-in-Chief of the international *Journal of Coastal Research*. In addition to these duties, he is Principal Marine Geologist with Coastal Planning & Engineering, Inc. and Research Professor at Florida Atlantic University in Boca Raton, Florida, USA. He is a graduate of the University of Western Australia (Perth) and previously worked for a wholly owned Australian subsidiary of the International Nickel Company of Canada (INCO). During his career, he acquired field experience in Australia; the Caribbean; South America; SW Pacific islands; southern Africa; Western Europe; and the Pacific Northwest, Midwest, and Southeast USA.

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Founding Series Editor

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