

Proceedings of the
6th International Congress on Environmental Geotechnics
New Delhi, India,
8–12 November, 2010

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Environmental Geotechnics
for Sustainable Development

Manoj Datta
R.K. Srivastava
G.V. Ramana
J.T. Shahu



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Published by Tata McGraw Hill Education Private Limited,
7 West Patel Nagar, New Delhi 110 008

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This edition can be exported from India only by the publishers,
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ISBN (13): 978-0-07-070710-8
ISBN (10): 0-07-070710-3

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Typeset at Text-o-Graphics, B1/56 Arawali Apartment, Sector 34, Noida 201301 and printed at Sai Printo Pack, Y-56, Okhla Industrial Area Phase-II, New Delhi 100 020

Cover Design: Kapil Gupta

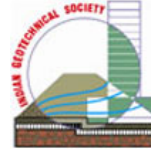
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Preface

This publication forms the Proceedings of 6th International Congress on Environmental Geotechnics (6ICEG) held from 8–12 November, 2010, at New Delhi, India. The two volumes and one CD contain 253 peer-reviewed papers and 22 invited lectures. The 6ICEG was organized by the Indian Geotechnical Society (IGS), under the aegis of International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE). Previous congresses in this series were held at Edmonton, Canada (1994); Osaka, Japan (1996); Lisbon, Portugal (1998); Rio de Janeiro, Brazil (2002) and Cardiff, U.K. (2006).

The main theme of the Congress was Environmental Geotechnics for Sustainable Development. The papers in this publication are grouped according to the sessions in which they were presented:

- Invited Lectures
- Landfills and Waste Containment
- Slurry Ponds, Ash, Tailings and Dredged Sediments
- Contaminated Sites, Groundwater, Control and Remediation
- Geosynthetics and New Materials
- Reuse of Waste, Sustainability and Education
- Geohazards and Disaster Mitigation
- Testing and Monitoring
- Physical and Numerical Modeling

The Congress comprised Plenary Sessions, Parallel Sessions, Field Visits, a Technical Exhibition, Companions Programme and Pre- and Post-Congress Tours.

An exhibition of products, equipment and software was held during the Congress. In total 30 international and Indian organizations displayed their products and skill areas. Overall, the 6ICEG was well supported by sponsors and exhibitors who played a crucial role in making the event a success.

India is a unique country because of its vast geographical and environmental diversity; it also has the second largest population in the world and has created an emerging, knowledge-based, economy focused on planning for sustainable development. Given this background, this was an appropriate juncture for organizing the 6ICEG in India, and it facilitated the sharing of best practices being followed in developed countries along with some rather innovative solutions and practices prevalent in developing countries. We would like to express our sincere gratitude to ISSMGE for the privilege given to us for organizing this Congress.

The organization of the Congress was managed by an Organizing Committee guided by a Conference Advisory Committee as well as TC5 (Technical Committee on Environmental

Geotechnics) of ISSMGE and a National Advisory Committee of IGS. Thanks are due to all the members of ISSMGE Conference Advisory Committee for their guidance through the various stages of development to the successful completion of the Congress. We also express our deep appreciation to the members of TC5 and members of National Advisory Committee for their contributions in the overall planning and organization of the Congress. The Paper Reviewers and Co-Reviewers went through 456 abstracts and 262 full length papers. Their untiring efforts are gratefully acknowledged. The contributions made by the plenary and keynote speakers, the Mercer lecturer and the authors of papers as well as of the session chairmen, co-chairmen and coordinators are also gratefully acknowledged.

The Congress proceedings have been published by Tata McGraw-Hill Education. Their efficient and high-quality work is appreciated.

MANOJ DATTA

R.K. SRIVASTAVA

G.V. RAMANA

J.T. SHAHU

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