

Volume 36 Numbers 2–3 March–May 2020
ISSN: 0790-0627

International Journal of
**WATER
RESOURCES
DEVELOPMENT**

**SPECIAL ISSUE: GLOBAL WATER RESOURCES:
FESTSCHRIFT IN HONOUR OF ASIT K. BISWAS**

Guest Editors: Cecilia Tortajada and Eduardo Araral

 **IWP** INSTITUTE of WATER POLICY



 **Routledge**
Taylor & Francis Group

CONTENTS

Special Issue: Global water resources: Festschrift in honour of Asit K. Biswas

Guest Editors: Cecilia Tortajada and Eduardo Araral

- 223 Foreword
Masagos Zulkifli

Editorial

- 226 Festschrift
Cecilia Tortajada and Eduardo Araral

Viewpoints

- 229 A decade of work on water governance at the OECD: what have we learnt?
Angel Gurriá
- 235 The knowledge economy in the twenty-first century: a modest proposal
Annie Callanan
- 239 Scotland: a world-leading Hydro Nation
Anton Muscatelli, Erin McKee and Sean McGivern
- 245 Nestlé's corporate water strategy over time: a backward- and forward-looking view
Paul Bulcke, Samuel Vionnet, Christian Vouvouras and Ghislaine Weder
- 258 Scarcity of water or scarcity of management?
David Molden
- 269 Singapore's water challenges past to present
Peter Joo Hee Ng and Celine Teo
- 278 Facing the challenge of extreme climate: the case of Metropolitan Sao Paulo
B. Braga and J. Kelman
- 292 China's achievements of water governance over the past seven decades
Shaofeng Jia and Wenbin Zhu
- 311 Some reflections on water for residential uses in developed countries
Francisco González-Gómez, Miguel Á. García-Rubio and Jorge Guardiola
- 325 Can water professionals do more?
Michael Rouse
- 338 Reflections on flood control in Japan and recommendations for developing countries
Yutaka Takahashi, Kimio Takeya, Miki Inaoka, Wataru Ono and Kaoru Sasaoka
- 351 A retrospective analysis of Laos's Nam Theun 2 Dam
Thayer Scudder
- 371 What I learned from Asit Biswas about transboundary water, ethics, mentoring and, in general, how to be a better human being
Aaron T. Wolf

Articles

- 377 Water resilience and human life support - global outlook for the next half century
Malin Falkenmark

(Continues on next page)

(Continues from previous page)

- 397 Adaptive and sustainable water management: from improved conceptual foundations to transformative change
Claudia Pahl-Wostl
- 416 Economically challenged and water scarce: identification of global populations most vulnerable to water crises
Taikan Oki and Rose E. Quioko
- 429 The status of the UN Watercourses Convention: does it still hold water?
Gabriel Eckstein
- 462 Australian water decision making: are politicians performing?
James Horne
- 484 Rent-seeking behaviour and regulatory capture in the Murray-Darling Basin, Australia
R. Quentin Grafton and John Williams
- 505 Quenching the thirst of rapidly growing and water-insecure cities in sub-Saharan Africa
Madiodio Niasse and Olli Varis
- 528 Sustainability of water and energy use for food production based on optimal allocation of agricultural irrigation water
Mo Li and Vijay P. Singh
- 547 Rethinking on the methodology for assessing global water and food challenges
M. Dinesh Kumar, Nitin Bassi and O. P. Singh