

**1:7**

Contents

Preface

Acknowledgements

Conference Joint Statement

**PART ONE: STATEMENTS AT THE INAUGURAL SESSION**

Message of His Excellency Mr. Mahmood Abbas, the President of Palestinian National Authority, Addressed by Dr. Sabri Saidam, Presidents Advisor

Telecom, IT and Tech. Education

Address of Mrs. Rima Abu Middain Barghouthi, Team Leader, Natural Capital, UNDP/PAPP

Address of Dr. Shaddad Attili, Conference CoUChair, Head of Palestinian Water Authority

Address of Dr. Imad Khatib, Conference CoUChair, Secretary General of Palestine Academy for Science and Technology

A message from Gaza "The Chronic Water Situation in Gaza during and after the War! Addressed by Eng. Rebhy El Sheikh, Deputy Head of Palestinian Water Authority

**PART TWO: WATER RIGHTS AND INTERNATIONAL WATER LAW**

Property Rights and Disputed Water: The Balance of Power Vs the Balance of Interests

A. Kubursi

Israeli Palestinian Water relationships: Paternalistic neocolonialism

J. Isaac

The Silent StakeholdersZ The Role of the Public in the Palestinian Water Sector

C. Messerschmid

Palestinian Water Rights: Past Present and Future

M. Haddad

11

14

15

1:21

1:23

1:26

1:29

1:32

2:39

2:58

2:72

2:106

**I:8**

The Collapse of Gaza's Water and Waste Water Sector: Gross Violations of International Human Rights Law and Serious Breaches of International Humanitarian Law

L. ElUjazair

The Water Factor in Interstate Relations of the Jordan Basin

M. A. Shaheen

Rethinking the Protection of Water Rights for the Palestinian People: The Need for a Comprehensive Approach

M. Tignino

The Law of Transboundary Aquifers

R. M. Stephan

S. Marcen

Approaches to Reaching a Palestinian Israeli Agreement on an Equitable Re-division of the Shared Waters in the Final Status Agreement

H. Shuval

Legal Framework for Transboundary Ground Water Resources for Sharing in Regions of Africa

T. Kanti Saha

**PART THREE: SPECIAL THEMES**

Water Development, Strategic Planning, Regional Cooperation, Impact of Climate Change, Palestinian Israeli Water dispute, Water Ethics, Red Sea-Dead Sea Project

Climate Change Impacts on Water Resources of the Upper Blue Nile River Basin of Ethiopia

U. Kim, J. J. Kaluarachchi

Hydrochemistry of Wadi Al Qilt Spring System West Bank Palestine

G. A. Daghrh

Effects of Land Use and Climate Change on Storm Runoff Generation in Arid and Semi-Arid Catchments: Up to Date Modeling Capabilities

S. Shadeed and J. Lange

The Red Sea-Dead Sea Conveyance (RSDSC) Project: A Solution for Some Problems or a Cause for Many Problems?

H. S. Salem

2:123

2:132

2:146

2:163

2:175

2:191

2:208

3:239

3:257

3:275

3:300

---

**1:9**

Seawater Desalination in Palestine: Feasibility and Options

R. McHugh

**PART FOUR: WATER RESOURCES MANAGEMENT**

Water Sector Reform Through Stakeholders DialogueZ Case Study from Palestine

A. Tamimi

Domestic Water Vulnerability Mapping in the West Bank /Occupied Palestinian Territory

J. Isaac, I.Gigliol, and J. Hilal

The Impact of Routing Techniques in Distributed Hydrological Models

A. NAWAHDA

The Drying of AlZFara#a Spring: Causes and Consequences

N. Mized and M. Haddad

Best Surface Water Management Options for Faria Catchment: Present Knowledge and New Modeling Capabilities

S. Shadeed and J. Lange

Water Balance and Losses in Water Networks: A Comparative Study

W. Awadallah, A. Allan, A. alURabi, M. Abu Sharkh

Content and Cost Based Approach for Groundwater Management

Y. Mogheir

Scenario Evaluation in the Jordan River Basin, Using the Water Evaluation and Planning tool WEAP

H. Hoff, B. Joyce, U. Nicklas, D. Purkey

Overview of Water Management in PakistanZ Water Saving Technologies Approach

H. A. Zaqoot, A. K. Ansari, and N. A. MEMON

Technological Innovations and Decision Making Changes in the Water Sector: Experiences from India

D. Borri, L. Grassini, M. Starkl

Challenges Faced in Drinking Water Supplies in the Absence of Proper Water Resources Management in Sri LankaZ A case Study Based on Mahaoya River Basin

W.B.G. Fernando and A.H. Gunapala

3:367

4:397

4:414

4:439

4:449

4:468

4:493

4:512

4:535

4:555

4:577

4:591

**1:10**

Impact of Sedimentation on Sustainability of Tarbela Dam in Pakistan

F. Hussain, H. N. Hashmi, A. R. Ghumman

Domestic Water Quality in the West Bank's Aquifers, Palestine "Overview on the Major Parameters!

S. Samhan, K. Friese, W. von Tuempling, M. Ghanem, W. Ali, A. Jarrar

**PART FIVE: WASTEWATER MANAGEMENT**

Osmosis Wastewater Treatment Pilot Plant

M.I. Khamis, A. Manassra and M. Dakiky

Using Sewage Sludge for Dry Soil Reclamation

N. AbuUAisheh, M. Duqqa, A. Suleiman

Options for Reusing Treated Wastewater in Jordan Valley King Abdullah Canal as Case Study

M. AlUHafeth, S. Khattari, A. AbuUAwwad

Water Quality Improvements in Sandy Soil During Soil Aquifer Treatment

Th. H. Abushbak and A. M. Aish

Effect of Irrigation with Treated Wastewater on Corn (*Zea mays.L*) Growth Parameters and Chemical Composition.

J. Jaradat , C. Elama, J. Maslaha

**PART SIX: APPENDICES**

Conference Committees

Conference Chairpersons

Conference Organizing Committee

Chairmen of Conference Sessions

Invited Keynote Speakers

4:603

4:620

5:631

5:646

5:664

5:684

5:696

6:719

6:721

6:722