

CONTENTS

Foreword	7
--------------------	---

Welcome and Official Opening

A. DE DECKER.- Allocution d'ouverture	11
D. DELAME & M. DE DAPPER.- Introduction	17

Geodiversity

C. EBINGER.- Continental Rifting and Break-up Processes: Insights from East Africa	25
S. FOLEY.- Volcanoes and Volcanic Sources in the East African Rift	43

Biodiversity

C. COCQUYT.- Lacustrine and Riverine Aigai Biodiversity in the African Great Rift Area	59
M. LOUETTE.- Data Mining of the Zoological Collections in the Royal Museum for Central Africa (RMCA), Tervuren, for Study and Conservation in the Albertine Rift	73
P. MASILYA <i>et al.</i> - Food and Feeding Activity of <i>Limnothrissa miodon</i> (BOULENGER 1906) in the Southem Part of Lake Kivu, Central Africa	83
G. NTAKIMAZI <i>et al.</i> - Impact Study of Sedimentation on Fish Diversity in the Littoral Zone of Lake Tanganyika: The Case of Rocky and Mixed Biotopes in the Northem Basin	95

Human Epie and Cultural Diversity

J.-P. CHRETIEN.- La face cachée de la région des Grands Lacs: l'histoire des vallées et des lacs	113
C. STURTEWAGEN.- Linguistic Diversity in the Rift Area: A Survey of Questions, Problems and Possible Answers	137

Agriculture

- L. D'HAESE *et al.* - Towards Successful Rural Development Programmes in the Great Lakes' Region: Experience in Impact Analysis of Agricultural Projects in Burundi 155
- J. NYSSSEN *et al.* - Conservation Agriculture: A Further Step in Sustainable Agricultural Intensification in the Northern Ethiopian Highlands 169

From Village to Cyberspace

- B. CALAS.- Dynamiques métropolitaines et structuration régionale en Afrique orientale 187
- H. PASCH.- New Roles for African Languages with the New Electronic Media 215

Medical Perspectives

- M. KAMYA.- Challenges to Treat and Control Malaria in Uganda 229
- P. KAYEMBE KALAMBAYI & P. KIMPANGA DIANGS. - Défis pour le traitement et le contrôle de la tuberculose en République Démocratique du Congo 239
- R. COLEBUNDER *et al.* - AIDS in the Rift Valley Region 249
- D. PORIGNON *et al.* - Health Research in Eastern Congo and Rwanda: A Tool for Improving Health System's Resilience and Peace-building Process 263

Geopolitics of Diversity in the Great Lakes' Region

- R. LEMARCHAND.- The Ecology of Conflict in the Great Lakes 275
- S. MUGANGU.- Enjeux fonciers et territoriaux et conflits récurrents au Kivu: considérations générales 291
- K. VLASSENROOT.- Food Security and Protracted Crisis in Eastern DRC 305

Posters

- I. BESSEMS *et al.* - Late 18th Drought recorded in Lake-sediment Records across Equatorial East Africa 313
- D. DELVAUX.- Morphostructural Diversity as a Response to Rift Tectonics in SW Tanzania 314

F. KERVYNDE MEERENDRE.- Satellite Imagery and Natural Risk Reduction in Africa	316
S. DEWAELE <i>et al.</i> - Characterization of Fluid Flow associated with Cu-mineralization in the Kundelungu Foreland, Katanga (Democratic Republic of Congo)	318
L. TACK <i>et al.</i> - The Great Lakes' Region of Central Eastern Africa: Overrated Mineral and Hydrocarbon Potential in the Western Rift	320
C. DE WASSEIGE.- Utilisation des images satellites pour le suivi de la déforestation dans le Parc National des Virunga	322
H. EGGERMONT <i>et al.</i> - Developing Chironomidae (Insecta: Diptera) and Other Aquatic Biota from Ruwenzori Mountain Lakes as Temperature Indicators for African Climate Reconstructions ..	323
B. MPAWENAYO& C. COCQUYT.- Algal Diversity of Lake Nakuru (Kenya, East Africa)	325
A.-C. GOUDER DE BEAUREGARD& G. MAHY. - Germination and Spatio-temporal Patterns of an Aquatic Seed Bank in Relation to the Plant Communities' Distribution	326
M. REYNDERS.- A Key for the Cyperaceae of Rwanda and Burundi	327
H. SARMENTA <i>et al.</i> - Plankton Diversity in Lake Kivu	328
J.-P. DESCY <i>et al.</i> - Study of Microbial Biomass and Diversity in Lake Tanganyika (FRFC Project # 2.4580.05)	329
P. STOFFELEN.- The Rubiaceae as a Pilot Group for a Queryable Website on Higher Plants of the Albertine Rift	330
T. DE BOCK <i>et al.</i> - Biodiversity of the Macrophyte Communities of a Seasonal Wetland: Lake Solai, Kenya	331
B. VAN BOCXLAER& D. VAN DAMME.- Changes in the Malacofauna of Lake Malawi since Mid-Holocene Times	332
J. VAN WICHELEN <i>et al.</i> - Planktonic Ciliates in Lake Tanganyika: A Preliminary Study of their Temporal and Spatial Distribution	334
E. VANDERVENNE <i>et al.</i> - Genomic Validation of the Mitochondrial Phylogeny of the Eretmodini (Teleostei, Cichlidae)	336
K. WAUTIER <i>et al.</i> - The Acquisition of the Adult Dentition in <i>Eretmodus cf. cyanostictus</i> (Lineage A) (Teleostei, Cichlidae): Clues to the Origin of Diversity in Eretmodine Trophic Traits .	337
A. RAHIM HAMID MUGADDAM. - Language Status and Use in the Nuba Mountains	339
P. BOECKX <i>et al.</i> - Improvement of Soil Fertility in the Region of Kinshasa (DR Congo) by Using Readily Available Organic Matter	340
N. BORGERS <i>et al.</i> - Contribution to the Evaluation of Soil Quality around Lake Naivasha (Kenya)	342

P. CAMPLING <i>et al.</i> - Hydrological Assessment of Sand-storage Dams and Small-scale Irrigation Schemes in Kitui District, Kenya	343
P. GWIMBI. - Flood Hazard Impact and Mitigation Strategies in Disaster-prone Areas of Muzarabani District (Zambezi Basin, Zimbabwe): Exploring the Missing Link	344
K. HADGUMELES <i>et al.</i> - Loss of Agrobiodiversity and Sustainability in Relation to Farming Practices in Tigray, Northern Ethiopia	346
A. MPOFU <i>et al.</i> - Village Level Sweet Potato Processing Development for the Great Rift Region (Private)	347
R. MUHWANDA/AKA.- The Great Rift Region Interactive Process: A Renewed Challenge to Food Self-Sufficiency	349
T. MUSABE.- Montane Deforestation in Rwanda. Loss of Livelihood and Security for Local Community	350
A. VERDOOD <i>Tet al.</i> - Designing the Digital Land Resources Database of Rwanda for Land Evaluation Purposes	351
B. CHARLERY DE LA MASSELIERE. - IFRA (Institut Français de Recherche en Afrique)	352
P. LANE.- The British Institute in Eastern Africa	353
S. LEYENS.- Using Geographical Information Systems and Remote Sensing Technologies in the Conservation of Protected Areas in Central Africa: Social and Ethical Issues	355
D. KISANGAU & T. HERRMANN.- Utilization and Conservation of Medicinal Plants used for Skin Infections in Makueni District, Kenya	356
E. KURIA.- Nutrition Status and Feeding Practices of People Living with HIV/AIDS (PLWHA) and Orphans of HIV/AIDS: A Case of Thika and Bungoma Districts, Kenya	357
G. GRYSEELS.- Concluding Comments	359