

UNIwersytet IM. ADAMA MICKIEWICZA W POZNANIU

QUAESTIONES GEOGRAPHICAE

30(3)

*This volume is dedicated to Professor Andrzej Kostrzewski
in honour of the 50th anniversary of his scientific, didactic and organisational activity*



POZNAŃ 2011

QUAESTIONES GEOGRAPHICAE

ADAM MICKIEWICZ UNIVERSITY, FACULTY OF GEOGRAPHICAL AND GEOLOGICAL SCIENCES
Dzięgielowa 27, PL 61-680 Poznań, Poland
Internet: geoinfo.amu.edu.pl/qg, versita.com/qg

Editor-in-Chief

ANDRZEJ KOSTRZEWSKI (Adam Mickiewicz University, Poland)

Managing Editors

Physical Geography and Geoinformation (GIS)

ZBIGNIEW ŻWOLIŃSKI (Adam Mickiewicz University, Poland)

Human Geography and Spatial Management

TADEUSZ STRYJAKIEWICZ (Adam Mickiewicz University, Poland)

Executive Editors

Physical Geography and Geoinformation (GIS)

GRZEGORZ RACHLEWICZ (Adam Mickiewicz University, Poland)

Human Geography and Spatial Management

JOANNA DOMINIĄK (Adam Mickiewicz University, Poland)

Language Editors

MARIA KAWIŃSKA

ANDRZEJ WITT

Technical Editor

REMIGIUSZ TRITT

Editorial Advisory Board

LOUIS ALBRECHTS (Catholic University of Leuven, Belgium), PAOLO BILLI (University of Ferrara, Italy), JAN BUČEK (Comenius University, Bratislava, Slovakia), MICHAEL CROZIER (University of Wellington, New Zealand), BOLESŁAW DOMAŃSKI (Jagiellonian University, Kraków, Poland), CHRISTINE EMBLETON-HAMANN (University of Vienna, Austria), MONIQUE FORT (Paris 7 - Denis Diderot University, France), HUGH M. FRENCH (University of Ottawa, Canada), ROBERT HASSINK (University of Kiel, Germany), DENES LOCZY (University of Pécs, Hungary), EDWARD J. MALECKI (Ohio State University, Columbus, USA), JEAN POESEN (Catholic University of Leuven, Belgium), ANDREW RYDER (University of Portsmouth, United Kingdom), ATSUSHIKO TAKEUCHI (Nippon Institute of Technology, Miashira-machi, Japan), JEF VANDENBERGHE (University of Amsterdam, The Netherlands), OLGA VAN DEN WUSTEN-GRITSAI (University of Amsterdam, The Netherlands)

Cover design

JÓZEF SKORACKI

© Copyright by Faculty of Geographical and Geological Sciences, Adam Mickiewicz University, Poznań 2011

ISBN 978-83-62662-75-3

ISSN 0137-477X

BOGUCKI WYDAWNICTWO NAUKOWE,
ul. Górna Wilda 90, 61-576 Poznań
tel. 61 833 65 80; e-mail: biuro@bogucki.com.pl
www.bogucki.com.pl

Druk i oprawa: UNI-DRUK

QUAESTIONES GEOGRAPHICAE

30(3)

CONTENTS

MALGORZATA CICHON: Present-day changes in the morphology of the shore zone in the conditions of heavy tourist use: the case of Lake Czarne (upper Parsęta catchment).....	5
PIOTR DZIESZKO: Analogue aerial-photographs external orientation reconstruction based on geoportal data	13
MUH ARIS MARFAI: Impact of coastal inundation on ecology and agricultural land use case study in central Java, Indonesia.....	19
MALGORZATA MAZUREK: Geomorphological processes in channel heads initiated by groundwater outflows (The Parsęta catchment, North-Western Poland)	33
KSHITIJ MOHAN, AJAI SRIVASTAVA, PRAVEEN KUMAR RAI: Ground water in the City of Varanasi, India: present status and prospects.....	47
RYSZARD PALUSZKIEWICZ, RENATA PALUSZKIEWICZ: Lithofacies-genetic characteristics of sedimentary basins in the foreland of the Pomeranian Stage in the Drawsko Lakeland (northern Poland)	61
RENATA PALUSZKIEWICZ: Erosional-denudational valleys and their significance for the reconstruction of the Late Glacial environmental conditions (the Drawsko Lakeland, NW Poland).....	71
MAREK PÓŁROLNICZAK: Sensible temperature at the Łeba Sandbar (Słowiński National Park) on selected days of the 2010 summer season	83
MATEUSZ CZESŁAW STRZELECKI: Cold shores in warming times – current state and future challenges in High Arctic coastal geomorphological studies	101
KATARZYNA SUWAŁA: Hail occurrence in Poland	115
DARIUSZ WRZESIŃSKI: Regional differences in the influence of the North Atlantic Oscillation on seasonal river runoff in Poland	127