# Geologie en Mijnbouw / Netherlands Journal of Geosciences

## Scope

Geologie en Mijnbouw / Netherlands Journal of Geosciences seeks to be the prime outlet for publication of geoscientific papers pertaining to the Netherlands and the North Sea region and relevant adjacent areas. Manuscripts on any geoscientific topic will be considered for publication, provided they comply with the regional focus of the journal and are of international interest and quality.

#### Submission of manuscripts

Manuscripts may be submitted to the Editorial Office. Manuscripts should be prepared in accordance with the 'instructions to authors' as summarized in every first issue of a volume; the instruction is also available upon request from the Editorial Office and on the journal's website (http://www.nitg.tno.nl/eng/products/pub/njg/index.shtml). The author(s) of manuscripts submitted are responsible for obtaining clearance for publication from relevant parties including, if appropriate, permission to include copyright material.

#### Subscription and distribution

Geologie en Mijnbouw / Netherlands Journal of Geosciences is published quarterly and dispatched by surface post. The journal is distributed to members of the Royal Geological and Mining Society of the Netherlands (KNGMG) free of charge and to private and institutional subscribers. The rate for institutional subscribers for the year 2000 is NLG 560.00 / US\$ 265.00 / Euro 254.00. Subscriptions are handled by Veenman drukkers, P.O. Box 18, 6710 BA Ede, the Netherlands (tel. +31-318-648400; fax +31-318-648484; e-mail: users@veenman-druk.nl).

All orders (including requests for back issues) and related business correspondence (including address changes for subscribers) should be addressed to Veenman drukkers.

#### Advertisements

For advertisements in Geologie en Mijnbouw / Netherlands Journal of Geosciences, please contact Tonny Handgraaf, Retra Publiciteitsservice b.v., P.O. Box 333, 2040 AH Zandvoort, the Netherlands (tel. +31-23-5718480; fax +31-23-5716002; e-mail tonny@retra.nl).

The forthcoming issue will be published in June 2000. The closing date for advertisements is May 15, 2000.

# Abstracting and indexing

Geologie en Mijnbouw / Netherlands Journal of Geosciences is indexed/abstracted in Biological Abstracts, Current Contents/Physical, Current Geographical Publications, Chemical & Earth Sciences, Geological Abstracts, GeoArchive & GeoTitles, Science Citation Index Expanded, ASCA, Cambridge Scientific Abstracts, INSPEC Information Services Petroleum Abstracts, Bibliography and Index of Geology, GeoRef, Geobase/GeoAbstracts, Chemical Abstracts, The ISI Alerting Services.

### Copyright and photocopying

© Stichting Netherlands Journal of Geosciences.

The journal (ISSN 0016-7746) is registered with the Copyright Clearance Center (CCC), 222 Rosewood Drive, Danvers, MA 01923, USA. Authorization to photocopy items for internal or personal use is granted by the *Stichting Netherlands Journal of Geosciences*, provided that the appropriate fee is paid directly to CCC. Prior to photocopying, please get permission online at the CCC website (http://www.copyright.com) or call the CCC (+1-978-750-8400), which can also be contacted for information about additional usage of material.

Requests for permission to reproduce material published in this journal for other publications should be addressed to the Editorial Office.

# Contents volume 79, No. 1 (March 2000)

The editors' page: A new phase in the journal's history	
J. Smit, Th.E. Wong, C. Kasse & A.J. van Loon	1
The Holocene evolution of the barrier and back-barrier basins of Belgium and the	
Netherlands as a function of late Weichselian morphology, relative sea-level rise and	
sediment supply	
D.J. Beets & A.J.F. van der Spek	3
Late Permian (Zechstein) carbonate-facies maps, the Netherlands	
M.C. Geluk	17
Modelling the hydrocarbon generation and migration in the West Netherlands Basin,	
the Netherlands	
R.T. van Balen, F. van Bergen, C. de Leeuw, H. Pagnier, H. Simmelink,	
J.D. van Wees & J.M. Verweij	29
Fracture networks in Rotliegend gas reservoirs of the Dutch offshore: implications for	
reservoir behaviour	
B.D.M. Gauthier, R.C.W.M. Franssen & S. Drei	45
Composition and genesis of rattlestones from Dutch soils as shown by Mössbauer	
spectroscopy, INAA and XRD	
J.J. van Loef	59
A seismologically motivated survey of blasting activity in the northern Rhine area	
KG. Hinzen & S. Pietsch	73
Wedge equilibrium in fold-and-thrust belts: prediction of out-of-sequence thrusting	
based on sandbox experiments and natural examples	
D.A. Nieuwland, J.H. Leutscher & J. Gast	81
Subaerial terminoglacial fans III: overview of sedimentary characteristics and deposi-	
tional model	
T. Zieliński & A.J. van Loon	93
Provenance of coarse ice-rafted detritus near the SE Greenland margin	
K. Linthout, S.R. Troelstra & A. Kuijpers	109
Forthcoming papers	123
Guide for authors	125