

FIBRES & TEXTILES in Eastern Europe

published by
Instytut Biopolimerów i Włókien Chemicznych
Institute of Biopolymers and Chemical Fibres
(IBWCh)

Editorial Office

ul. Skłodowskiej-Curie 19/27
90-570 Łódź, Poland
tel. (48-42) 638-03-00, 637-65-10
fax (48-42) 637-65-01
e-mail: infor@ibwch.lodz.pl
infor@iwch.lodz.pl
<http://www.fibtex.lodz.pl>

Editorial Department

<i>Editor-in-Chief</i>	<i>Text Editor</i>
Bogdan Mac	James Davis Todd
<i>Assistant Editor</i>	<i>Typesetting</i>
Emilia Jaszczurska	Andrzej Bodek
<i>Production IWCh</i>	

Editorial Committee

Danuta Ciechańska	Edward Maslowski
Włodzimierz Cygan	Maria Miroslawska
Jacek Czekański	Maria Ratajska
Karolina Grzebieniak	Alojzy Urbanowski
Krystyna Twarowska-Schmidt	

Scientific Programming Board

Chairman:

Prof. Andrzej Ziabicki
Polish Academy of Sciences, Warsaw, Poland

Members:

Prof. Christo Betchev
Technical University of Sofia, Bulgaria

Prof. Tadeusz Jackowski
Technical University of Łódź, Poland

Prof. Ryszard Kozłowski
Institute of Natural Fibres, Poznań, Poland

Prof. Izabela Krucińska
Technical University of Łódź, Poland

Prof. Anton Marcinič
Slovak University of Technology,
Bratislava, Slovak Republic

Prof. Józef Masajtis
Technical University of Łódź, Poland

Prof. Vytautas Milašius
Kaunas University of Technology,
Kaunas, Lithuania

Prof. Jiří Militký
Technical University of Liberec,
Liberec, Czech Republic

Prof. Kirill Perepelkin
St. Petersburg State University of Technology
and Design, St. Petersburg, Russia

Prof. Heinrich Planck
Institute for Textile Techniques and Technology,
Denkendorf, Germany

Prof. Roshan Shishoo
Institute of Fibres and Polymers Research AB,
Mölnådal, Sweden

Prof. Zoran Stjepanović
University of Maribor, Slovenia

Prof. Janusz Szosland
Technical University of Łódź, Poland

Prof. Andrzej Włochowicz
University of Bielsko-Biała, Poland



FIBRES & TEXTILES
in Eastern Europe
is decorated
with the
Golden Order
of the Polish Textile
Association



Volume 14, No. 4
(58)

October / December
2006

ISSN 1230-3666

"Fibres & Textiles in Eastern Europe" is inserted on the "ISI Master Journal List" of the Institute for Scientific Information, Philadelphia, USA (for the year 2005 has an Impact Factor of 0.397) and is indexed in Research Alert, SCI Expanded (Sci Search and Web of Science), the Materials Science Citation Index, Current Contents/Engineering, Computing & Technology; as well as by the Textile Institute, Manchester, in the Information Service; and in Toga FIZ Technik; Rapra Technology Ltd.; Elsevier Geo Abstracts; Textiles Eastern Europe - World Textile Publications; Applied Mechanics Review; Chemical Abstracts Service; Referativny Zhurnal; and by the European Textile Network.

The content of "Fibres & Textiles in Eastern Europe" is available by free open access on the website <http://www.fibtex.lodz.pl>, starting from issue No 3/2002.

No part of this publication may be reproduced without the prior written permission of the publisher: Instytut Biopolimerów i Włókien Chemicznych - Institute of Biopolymers and Chemical Fibres.

No responsibility is assumed by the publisher for any injury and/or damage to persons or property as a matter of application of any methods, products, instructions or ideas contained in the material herein. Although all advertising material is expected to conform to ethical standards, inclusion in this publication does not constitute a guarantee or endorsement of the quality or value of such product.

On the cover: A fragment of Jolanta Owidzka's structural fabric "Prayer book"

This issue is financially supported by the Polish State Committee for Scientific Research.