

## New Associate Editors



**Name:** Adam Danch  
**Place and date of birth:**  
Ruda ŒI'ska, Upper Silesia,  
Poland, 1963  
**Nationality:** Polish  
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### Education and scientific degree

M.Sc.–1988, Inst. Physics, Silesian University,  
Katowice

Ph.D.–1998, Inst. Physics, Silesian University,  
Katowice

### Employments

Inst. Polymer Chemistry, Polish Academy of Science  
(Zabrze, 1988–1991)

Dept. Polymer Physics, Silesian University  
(Sosnowiec, 1991–1992)

Dept. Non-metallic Materials, Silesian University  
(Sosnowiec, 1992–1998)

Dept. Biophysics and Molecular Physics, Silesian  
University (Katowice, from 1998–present)

### Main fields of interest

Polymer physics, thermodynamics, theory and  
methodology of thermal analysis and calorimetry.

### List of important publications

A. Danch and A. Gadomski, On the crystalline-amor-  
phous supermolecular structure of PMP films cast  
from solution: experimental evidences and  
theoretical remarks, *J. Mol. Liq.*, 86 (2000) 249.

A. Danch, Effect of supermolecular structure  
changes on the glass transition of polymer, *J.  
Therm. Anal. Cal.*, 65 (2001) 525.

A. Danch, On the influence of the supermolecular  
structure on structural relaxation in the glass  
transition zone: free volume approach, *Fibres and  
Textiles in Eastern Eur.*, 11 (2003) 128.

A. Danch and W. Osoba, Effect of supermolecular  
structure on transport phenomenon in polymeric  
membranes, *Desalination*, 163 (2004) 143.

A. Danch and W. Osoba, DSC monitoring of super-  
molecular structure damage of polyethylene

products: academia and industry challenges, *J.  
Therm. Anal. Cal.*, 84 (2006) 331.

A. Danch, The glass transition- finite size effect,  
*J. Therm. Anal. Cal.*, 84 (2006) 663.

A. Wolnik, J. Borek, W. W. Su<sup>3</sup>kowski, M. Œarska,  
W. Zielińska-Danch and A. Danch,  
Thermogravimetric evidences of supermolecular  
structure variety of PMP membranes, *J. Therm. Anal.  
Cal.*, 90 (2007) 237.

### Professional activities

Supermolecular structure and relaxation  
phenomena of polymeric systems studied by  
methods of thermal analysis: dilatometry; positron  
annihilation lifetime spectroscopy; X-ray scattering;  
dielectric and mechanical spectroscopy;  
calorimetry. Free and specific volumes approach to  
glass transition and structural relaxation.  
Thermodynamic study of lamellae formation and  
aggregation in solutions. Structure-properties study  
of polymeric membranes and composites.  
Crystalline phase as a determinant of amorphous  
phase heterogeneity- 'real' and 'ordered' amorphous  
fractions.

### Postal address

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## NEW ASSOCIATE EDITORS



**Name:** Petra Šulcová  
**Date of birth:**  
March 27, 1970  
**Nationality:** Czech  
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In 1993, she graduated from VŠCHT Pardubice (Institute of Chemical Technology). In 1997 she obtained Ph.D. degree in field of Inorganic Technology (Faculty of Chemical Technology, University of Pardubice). In 2002 she was appointed Associate Professor in the area of Chemistry and Technology of Inorganic Materials (Faculty of Chemical Technology, University of Pardubice). Her scientific interest is directed to chemistry and synthesis of inorganic materials, especially the research of inorganic pigments and powder materials and their application possibilities for ceramic glazes, organic binders and building materials. She deals with the high-temperature syntheses of pigments and evaluation of their colour properties, thermal behaviour and stability. In pedagogical activities she gives lectures in experimental methods for characterization of powdery

materials and technology of inorganic production. She supervises students working on bachelor, diploma (approx. 25) and dissertation theses. She is an author and co-author of more than 50 scientific articles, 35 of them published mainly in international journals and of more than 70 works presented in international scientific conferences and over 200 contributions in national conferences. She participates also, as a referee, in editorial procedures of several scientific journal, among others of the Journal of Thermal Analysis and Calorimetry as well as of Dyes and Pigments.

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*We would like to welcome the new Associate Editors*

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