

New Associate Editors



Name: Elena Boldyreva

Place and date of birth:

Tomsk, Russia, 1961

Education and scientific degrees:

Chemist, Novosibirsk State University (1982); Ph.D. (1988); D.Sc. (2000); Professor of Chemistry (2002)

E-mail: boldyrev@nsu.ru

Workplaces

Institute of Solid State Chemistry and Mechanochemistry Russ. Acad. Sci. (1980–); Novosibirsk State University (1982–)

Main fields of interest

Solid state chemistry; diffraction and spectroscopy at high pressure; molecular crystals with hydrogen bonds; supramolecular chemistry; reactions in solid state; chemistry of solid drugs; polymorphism.

Number of publications: 100

Number of citations: 110

List of the 5 most important publications

- 1) E. V. Boldyreva: Problems of the reliability of kinetic data evaluated by thermal analysis, *Thermochim. Acta*, 110 (1987) 107.
- 2) E. V. Boldyreva: Feed back in solid state reactions, *Reactivity of Solids*, 8 (1990) 269.
- 3) E. V. Boldyreva: The problem of feed-back in solid state chemistry, *J. Therm. Anal.* 38 (1992) 89.
- 4) E. V. Boldyreva: Concept of reaction cavity: a link between solution and solid state chemistry, *Solid State Ionics*, 101 (1997) 843.
- 5) E. V. Boldyreva, T. P. Shakhtshneider, H. Ahsbahs, H. Sowa, H. Uchtmann: Effect of high pressure on the polymorphs of paracetamol, *J. Therm. Anal. Cal.*, 68 (2002) 437.

Books

E. V. Boldyreva, V. Boldyrev: *Reactivity of Molecular Solids*. John Wiley and Sons. LTD, Chichester (1999) 328 p.

Professional activities

Member of Advisory Committee on Reactivity of Solids (1996–); European Crystallographic Association (1996–); European Society of Applied Physical Chemistry (1996–); SigmaXi Society (2001–); member of Editorial Board *Annales des Chimie*; plenary and invited lectures: IUCr Congress Glasgow (1999), International Symposiums on Reactivity of Solids, Hamburg (1996), Kyoto (2003), International Conference on Supramolecular Chemistry Kazan (2002), NATO ASI (1998, 2003) Erice, Italy, INCOME (2003) Braunschweig, PhandTA (2001, 2002, 2003, 2004) Basel, Monte Verita, Innsbruck, Monte Verita; Humboldt Fellow (1995–1999); fellowships in Hannover, Milano, Durham, Marburg (1990–1999); invited professor at Strasburg University (1997–1998)

Present position and postal address

Leading Scientist of the Institute of Solid State Chemistry and Mechanochemistry, Siberian Branch Academy of Sciences, Head of Chair of Solid State Chemistry of Novosibirsk State University, ul. Kutateladze, 18, Novosibirsk, 128, 630128, Russia

Patents: 1 patent



Name: Petru Budrugaec

Date and place of birth: June 30, 1949, Caransebeş, Romania

Nationality: Romanian

Education and scientific degrees:

Faculty of Chemistry, University of Bucharest (1972); Ph.D. in Chemistry (1981); Senior researcher; National Institute for Research and Development in Electrical Engineering, Advanced Research, INCDIE ICPE-CA, Bucharest, Romania,

E-mail: bp@icpe-ca.ro

Positions and appointments

1972–1986 Researcher in Institute of Physical Chemistry, Bucharest

1986–1988 Teacher in Gh. Sincai College - Bucharest,

1988–1995 Senior researcher in ICPE-Research and Development Institute for Electrical Engineering, Bucharest

1995–1998 Senior researcher in EUROTTEST – Bucharest

1998– to date Senior researcher in INCDIE-ICPE-CA– Bucharest

2003– to date Associated Professor in Faculty of Chemistry, University of Bucharest

Mean fields of interest

Isothermal and non-isothermal heterogeneous kinetics; Thermal analysis of polymers and polymeric materials; Evaluation of the thermal lifetime of polymeric materials; Thermal degradation of patrimonial leathers and parchments; Adsorption and catalysis

List of the 5 most important publications

108 articles out of which more than 80 are dedicated to thermal analysis and non-isothermal kinetics:

1) M. I. Vass, P. Budrugaec: Calorimetric studies of oxygen adsorption and oxygen interaction with CO and CO₂ with preadsorbed oxygen on silver, *J. Catal.*, 64 (1980) 68.

2) P. Budrugaec, A. L. Petre, E. Segal: Some problems concerning the evaluation of non-isothermal kinetic parameters: solid-gas decomposition from thermogravimetric data, *J. Therm. Anal.*, 47 (1996) 123.

3) P. Budrugaec: Thermal degradation of glass reinforced epoxy resin and polychloroprene rubber: the correlation of kinetic parameters of accelerated aging with those obtained from non-isothermal data, *Polym. Degrad. Stab.*, 74 (2001) 125.

4) P. Budrugaec, E. Segal: Some methodological problems concerning non-isothermal kinetic analysis of heterogeneous solid-gas reactions, *Int. J. Chem. Kinet.*, 33 (2001) 564.

5) P. Budrugaec: Differential isoconversional procedure

for evaluating of the activation energy of non-isothermal reactions in solids, *J. Therm. Anal. Cal.*, 68 (2002) 131. 7 books and 2 patents

Number of citations: 309; total impact factor: 65.9

Distinction

Prize 'Nicolae Teclu' of the Romanian Academy, 1990

Refereeing activity

Journal of Thermal Analysis and Calorimetry; Thermochimica Acta, International Journal of Chemical Kinetics; Radiation Physics and Chemistry; Polymer Degradation and Stability; Revue Roumaine de Chimie

References

Who's Who in the World , Marquis WHO's WHO, S.U.A., 1998 , 1999, 2000, 2001, 2002

Who's Who in the Science and Technology , Marquis WHO's WHO , S.U.A. , 2001

Who's Who in Thermal Analysis and Calorimetry, Akademia Kiado – Budapest , 2004

Memberships

Vice-President of the Commission of Thermal Analysis and Calorimetry of the Romania Academy;

Member of the Romanian Association of Materials

Postal address

313 Splaiul Unirii, 030138 Bucharest-3, Romania



Name: Subhash. C. Mojumdar

Date and place of birth:

June 15, 1971, Feni, Bangladesh

Nationality: Canadian

Education and scientific degrees:

B.Sc. and M.Sc. degrees in Chemistry, Biochemistry and engineering; Ph.D. (1999) Slovak University of Technology, Bratislava, Slovakia.

E-mail: scmojumdar@hotmail.com

Positions and appointments

After 13 years of educational and research training in Europe, he immigrated to Canada in 2002 and started work at chemistry department of Mount Allison University in the area of thermal and photo kinetics of free radical reactions as well as other related fields in antioxidants research. At present, he is working at the National Research Council of Canada (NRC) (most prestigious research organization in Canada) in nanotechnology with a National Sciences and Engineering Research Council of Canada (NSERC) award. Regardless his formal field of research, he has been always involved in thermal analysis and calorimetry. He extended his research activities from medicine through construction to nanotechnology and many thermoanalytical techniques such as TG, DTG, DTA, DSC, DMA, TMA, optical transmittance thermal analysis, EGA, calorimetry, isothermal nanocalorimetry, ARC, dielectric thermal analysis, heating microscopy, thermal conductivity etc. He was also awarded a Royal Society Fellowship (U.K.), Indian National Science Academy (INSA) Fellowship, Polish Science Academy Fellowship and many others.

Number of publications: 190

Number of citations: 150

List of the 5 most important publications

- 1) S. C. Mojumdar and L. Raki, Preparation and properties of calcium silicate hydrate-poly(vinyl alcohol) nanocomposite materials, *J. Therm. Anal. Cal.*, 82 (2005) 89.
- 2) S. C. Mojumdar, D. A. Becker, G. A. DiLabio, J. J. Ley, L. R. C. Barclay and K. U. Ingold, Kinetic Studies on Stilbazulenyl-bis-nitrone (STAZN), a Non-Phenolic Chain-Breaking Antioxidant in Solution, Micelles, and Lipid Membranes, *J. Org. Chem.*, 69 (2004) 2929.
- 3) S. C. Mojumdar, J. Kozankova, J. Chocholese, J. Majling and V. Nemecek, Sodium borosilicate bio-glasses: microstructure and optical transmittance thermal analysis, *J. Therm. Anal. Cal.*, 78 (2004) 73.
- 4) S. C. Mojumdar, Processing-moisture resistance and thermal analysis of MDF materials, *J. Therm. Anal. Cal.*, 64 (2001) 1133.

- 5) S. C. Mojumdar, M. Melnik and E. Jóna, Thermal and IR properties of Mg(II) complexes with heterocyclic ligands, *Thermochim. Acta*, 352 (2000) 129.

Refereeing activity

J. Therm. Anal. Cal.; Thermochim. Acta; Chemical Papers; Journal of the Brazilian Chemical Society, Research Journal of Chemistry and Environment, Geotechnika (Geotechniques) and many Conference Proceedings.

Professional activities

He is a member 15 professional organizations and presently acting as the Exhibit Chair of the Canadian Thermal Analysis Society (CTAS). He convinced all CTAS executive committee members to publish a special issue of the JTAC on the occasion of the CTAS annual Workshop and Exhibition after he had immigrated to Canada and the third JTAC special issue devoted to CTAS Workshop and Exhibition papers is under processing. He is also a member of the editorial board of Research Journal of Chemistry and Environment and a member of the editorial advisory board of Journal of Ultra Scientist of Physical Sciences. Secretary of Ottawa Valley Section of the Canadian Society for Analytical Sciences and Spectroscopy (CSASS) from November, 2005

Hobbies

Music: represented Asia at the International Folklore Festival in Vychodna, Slovakia, 1997, where he was awarded a medal and certificate.

Sports: soccer and badminton which he plays regularly till now. He joins to existing or forms new soccer and badminton teams wherever he goes.

Postal address

National Research Council of Canada
M-20, 1200 Montreal Road
Ottawa, Ontario, K1A 0R6
Tel: (613) 993-4028, Fax: (613) 954-5984



Name: György Pokol

Place and date of birth:
Budapest, Hungary, 1950

Nationality: Hungarian

Education and scientific degrees:

Diploma (M.Sc.) in Chemical Engineering, Technical University of Budapest (BME), 1973; Dr. Tech. degree, BME, 1977; C.Sc., (Ph.D.), Hung. Acad. Sci., 1987; Dr. Habil., BME, 1994; D.Sc., Hung. Acad. Sci., 1996

E-mail: pokol@mail.bme.hu

Employments

Institute of General and Analytical Chemistry, Budapest University of Technology and Economics (formerly Technical University of Budapest), since 1973, Associate professor: 1988–1994, Professor: 1994–, Vice Dean of the Faculty of Chemical Engineering 1991–1996; Head of the Institute of General and Analytical Chemistry, 1996–2005; Dean of the Faculty of Chemical Engineering, 2003–;

Present and earlier research topics

Studies on phase transitions and thermal reactions of solid substances. Use of thermal analysis and structural studies in materials science. Precursors for thin films.

Application of thermal analysis for the description of reaction kinetics, problems of the information content and evaluation of thermal measurements. Empirical description of the shape of thermoanalytical curves.

Thermal behaviour of drugs and related compounds. Application of solid-melt phase diagrams in the design and optimization of chiral resolutions.

Problems of the reliability and evaluation of analytical data.

Thermal behaviour of supramolecular compounds.

Heterogeneous technological processes involving discrete solid substances.

Description of paper ageing on the basis of thermoanalytical data.

Application of pressure DSC in the description of the oxidation or mineral oils.

Environmental technologies. Application of zeolites in water treatment. Iron(VI): chemistry and applications.

Teaching activity at the university

Lectures and laboratory practices on B.Sc., M.Sc. and post-graduate levels in Analytical chemistry, Solid state chemistry, Thermal analysis, Evaluation of analytical data. Supervising thesis works at B.Sc., M.Sc. and doctoral levels.

Participation in the development of new chemical engineering, bioengineering and environmental engineering curricula at the Faculty of Chemical Engineering

Membership of scientific organizations

Committee of analytical chemistry of the Hungarian Academy of Science and subcommittees, member; International Confederation of Thermal Analysis and Calorimetry, Education Committee, member; Publication Committee, Chairman, 1998–;

Committee of European Symposium of Thermal Analysis and Calorimetry, President, 1998–2002, Secretary, 2002–;

Hungarian Chemical Society, Education Committee, Chairman, 2003–;

Recognitions

Outstanding Instructor of the Technical University of Budapest, 1987

For Hungarian Higher Education (from the Minister of Education), 1997

Fodor Lajos Award (BME Faculty of Chemical Engineering), 1997

Széchenyi Professors' Stipend, 1997–2001

Corresponding Member of the Finnish Chemical Society, 1999

Apáczai Csere János Award (from the Minister of Education), 2003

Address

Budapest University of Technology and Economics
Institute of General and Analytical Chemistry
P. O. Box 91, H-1521 Budapest, HUNGARY
Phone: +36 1 463 1593; Fax: +36 1 463 3408

We would like to welcome all new Associate Editors