

New Regional Editors



Name: Stefano Vecchio

Place and date of birth:

Rome, Italy, August 3, 1966

Nationality: Italian

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Stefano Vecchio began his research in the field of thermal analysis within the group of prof. Aldo La Ginestra at the University of Rome 'La Sapienza', where in 1991 he graduated with honours in Chemistry and in 1994 received his Ph.D degree in 'Chemical Sciences'. He continued his research in the Department of Chemistry at the same university up to December 1995 with a one-year CNR fellowship focusing his studies on the pillaring and exchange properties of layered ion-exchangers belonging to the class of the acid phosphates of tetravalent metals. Since December 1996 he is Assistant Professor at the Department of Chemical Engineering Materials Environment (C.E.M.E.) of the University of Rome 'La Sapienza' cooperating with prof. Fabrizio Rodante (until March 2003, when he passed away). His research interests are totally devoted to the field of thermal analysis and its application in the fields of solid state kinetics, stability of drugs, pesticides and coordination compounds as well as vapor pressure and enthalpy determination. He is author or co-author of over 40 full papers on international journals and over 60 communications to national and international conferences with proceedings. Nowadays, he is referee of several international journals (Journal of Thermal Analysis and Calorimetry, Thermochemica Acta, Material Chemistry and Physics, Microchimica Acta, International Journal of Chemical Kinetics, Journal of Pharmaceutical and Biomedical Analysis, The European Physical Journal of Applied Physics, Journal of Solid State Chemistry). Since 1998 he is member of the Italian Association of Calorimetry and Thermal Analysis (AICAT) and of the Interdivisional Group of the Italian Chemical Society (GICAT), where he is councillor since 2005.

List of the 5 most important publications

Fabrizio Rodante, Stefano Vecchio, Václav Slovák: *Application of direct non-linear regression from single TG curve to compounds undergoing simple and complex thermal decomposition*

Int. J. Chem. Kin., 35 (2003) 611.

Nicolas Sbirrazzuoli, Stefano Vecchio, Alessia Catalani: *Isoconversional kinetic study ofalachlor and metolachlor vaporization by thermal analysis*

Int. J. Chem. Kin., 37 (2005) 74.

Luigi Campanella, Adriano Nuccilli, Mauro Tomassetti, Stefano Vecchio:

Biosensor Analysis for the kinetic study of polyphenol deterioration during the forced thermal oxidation of extra virgin olive oil

Talanta, 74 (2008) 1287.

M. Tomassetti, A. Catalani, V. Rossi, S. Vecchio:

Thermal analysis study of the interactions between acetaminophen and excipients in solid dosage forms and in some binary mixtures

J. Pharm. Biomed. Anal., 37 (2005) 949.

S. De Angelis Curtis, K. Kurdziel, S. Materazzi, Stefano Vecchio:

Crystal structure and thermoanalytical study of a manganese(II) complex with 1-allylimidazole

J. Therm. Anal. Cal., 92 (2008) 109.

Postal address

Dipartimento di Ingegneria Chimica Materiali Ambiente, Università di Roma La Sapienza, Via del Castro Laurenziano 7, 00161 Rome, Italy



Name: Takayoshi Kimura
Nationality: Japanese
E-mail: kimura@chem.kindai.ac.jp

Education and scientific degree

DrSc. 1978 Graduate School of Chemistry Kinki University.
Research Fellow 1978–1980 at the Japan Society for the
Promotion of Science.

Assoc. Prof. 1980–1999, Kinki University, Higashi-Osaka
(Physical Chemistry)

Prof. 2000–present, Kinki University, Higashi-Osaka
(Physical Chemistry)

Main fields of interest

Physical Chemistry. Molecular recognition of chiral
substances and structure isomers in liquid and solutions
studied by methods of physical chemistry and thermo-
dynamic methods of calorimetry, densitometry, vapor
pressure measurement and thermal analysis of DSC,
TG-DTA-MS and so on. Application of molecular
dynamics method for simulation of structure and
properties of solutions.

List of the 5 most important publications

T. Kimura, T. Ozaki, S. Takagi:
*Enthalpy changes observed upon mixing liquid (R)- and
(S)- enantiomers at 298.15 K*
Enantiomers 6 5-17 (2001).

T. Kimura, M. A. Khan, T. Kamiyama, M. Fujisawa:
*Thermodynamic properties of D- and L-tartaric acid in
aqueous and ethanol solution at 298.15 K*
J. Chem. Eng. Data 51, 909-913 (2006).

T. Kimura, M. A. Khan, T. Kamiyama:
*Enthalpies of mixing and apparent molar volumes of
ethanol solution of chiral dicarboxylic acids*
J. Therm. Anal. Cal., 85 (2006) 559.

T. Kimura, T. Matsushita, K. Ueda, K. Tamura, S. Takagi:
*Deuterium isotope effect on excess enthalpies of metha-
nol or ethanol and their deuterium derivatives*
J. Therm. Anal. Cal, 64 (2001) 231.

T. Kimura, T. Sato, M. Hirota, S. Takagi:
*Excess enthalpies of (methyl methylthiomethyl sulf-
oxide+methylalkyl ketones) and (dimethyl sulf-
oxide+methylalkyl ketones) at 298.15 K*
J Therm. Anal. Cal., 92 (2008) 381.

Number of papers in refereed journals: 98

Award

The Japan Society of Calorimetry and Thermal Analysis
Award 2008.

Present position and postal address

Professor, Kinki University, Kowakae, Higashi-Osaka,
577-8502, Japan



Name: Bruno Marongiu
Place and date of birth:
Arzana, Italy, August 1, 1946
Nationality: Italian
E-mail: maronb@unica.it

Education and scientific degree

Doctor of Chemistry at the University of Cagliari in 1970.
stages in: CNRS of Marseille (1974; 1980); CNRS of Paris (1986; 1988)

Current Occupation

Associate Professor of Physical Chemistry at the Science Faculty of the University of Cagliari (Italy).
Professor of Physical Chemistry at the Chemical Department since 1983.
Professor of Applied Thermodynamic at the Chemical Department since 1986.
Professor of Supercritical Fluids at the Chemical Department since 2003.
Professor of Extractive and Analytical Technology at the Biological Department since 2004.
Professor at the Ph.D. in Chemistry since 1996.

Professional membership

SCI - Società Chimica Italiana Divisione di Chimica Fisica; Divisione di Chimica Analitica; Gruppo interdivisionale di Calorimetria ed Analisi Termica.
Treasurer of AICAT – Associazione Italiana di Calorimetria ed Analisi Termica (2002–2004; 2005–2007).
President of AICAT – Associazione Italiana di Calorimetria ed Analisi Termica (2008–2010)
ISASF – International Society for the Advancement of Supercritical Fluid

Research activity

Thermodynamics of organic and hydro-organic mixtures
Supercritical fluids Technologies
Co-author of 110 scientific publications on international journals

Co-author of 90 communications at national and international congresses

Chairman of the 'I Workshop on Thermodynamics of Organic Mixtures' (Chia Laguna, Italy, 1991)

Chairman of the 'Giornate Mediterranee di Calorimetria ed Analisi Termica, GMEDCAT-95', (Chia Laguna, Italy, 1995)

Chairman of the 'I Scuola Nazionale sui Fluidi Supercritici' (Chia Laguna, Italy, 1998)

Organizing Committee Chair of '13 International Congress on Thermal Analysis and Calorimetry, ICTAC-13', (Chia Laguna, Italy, 2004)

Membership of the Scientific Committee of the 'XX Congresso Nazionale di Chimica Fisica' (Chia Laguna, Italy, 1991)

List of the 5 most important publications

H. V. Kehiaian, B. Marongiu, 1988.

A comparative study of thermodynamic properties and molecular interactions in mono - and poly-chloroalkane+n-alkane or cyclohexane mixtures
Fluid Phase Equilib., 40: 23-78.

H. V. Kehiaian, M. R. Tiné, L. Lepori, E. Matteoli, B. Marongiu, 1989.

Thermodynamics of binary mixtures containing oxaalkanes. Part 3. Monoethers, Polyethers, Acetals, Orthoester and Etherocyclic monoethers+n-alkanes or +cyclohexane
Fluid Phase Equilib., 46: 131-177.

B. Marongiu, S. Porcedda, H. V. Kehiaian, 1993.
Calorimetric study of nitro group interactions in alkane solutions. Comparison with DISQUAC predictions.
Fluid Phase Equilib., 87: 115-131.

B. Marongiu, A. Piras, S. Porcedda, E. Tuveri, 2007.
A comparative study of thermodynamic properties of binary mixtures containing dimethylsulfoxide.
J. Therm. Anal. Cal., 90 (2007) 909.

B. Marongiu, A. Piras, S. Porcedda, E. Tuveri, 2008
Excess enthalpies of aromatic ether or aromatic ketone(1)+n-heptane (2) mixtures. Disquac analysis
J. Therm. Anal. Cal., 92 (2008) 137.

Postal address

Dipartimento di Scienze Chimiche, Cittadella Universitaria di Monserrato, 09042 Monserrato, Cagliari, Italy



Name: Joan Josep Suñol
Place and date of birth:
Barcelona, Spain, 1965
Nationality: Spanish
E-mail: joanjosep.sunyol@udg.edu

Transformation diagrams – isoconversional method from calorimetric data

J. J. Suñol
J. Therm. Anal. Cal., 72 (2003) 25.

Thermal analysis of two Fe-X-B (X=Nb, ZrNi) alloys prepared by mechanical alloying

J. J. Suñol, A. González, J. Saurina
J. Therm. Anal. Cal., 72 (2003) 329.

Education and scientific degree

B. Sc., the M. Sc. and finally Ph.D. (always in Physics) at the Autonomous University of Barcelona (UAB), Spain. Research in the Materials Science group (UAB) until 1996 by the hand of Professor M.T. Mora. Coordinator of the Materials Science group of the Girona University, Spain (2007 – actually). Professor of Applied Physics at the same university (1993 – actually). Head of the Physics department (2007 – actually).

Membership

Royal Spanish Physics Society (Calorimetry and Thermal Analysis group).

Postal address

Edifici PII, Campus Montilivi s/n, Girona University, 17071 Girona, Spain

Publications

Number of publications: 82 (65 in SCI, 18 in JTAC).
Number of communications to scientific meetings: 113.
Publications in leading Physics and Materials Science journals, including Applied Physics Letters, Journal of Applied Physics, New Journal of Physics, Journal of Applied Polymer Science and Acta Materialia. The work has dealt with materials science and thermal analysis.

List of the most important publications

Thermal analysis of aged HDPE based composites

J. J. Suñol, J. Saurina
J. Therm. Anal. Cal., 70 (2002) 57.

DSC study of the effects of high pressure and spray-drying treatment on porcine plasma

D. Pares, E. Saguier, J. Saurina, J. J. Suñol, M. Toldra, C. Carretero
J. Therm. Anal. Cal., 52 (1998) 837.

Comparison of the thermal behavior of three cellulose fibers mercerized or submitted to solar degradation

J. J. Suñol, J. Saurina, F. Carrillo, X. Colom
J. Therm. Anal. Cal., 72 (2003) 753.



Name: R. L. Raibagkar
Place and date of birth:
 Deoulgaon-Raja, India,
 13 October, 1967
Nationality: Indian
E-mail: rraibagkar@rediffmail.com

Research interest

Studies, Synthesis and Characterization of Ceramics and Thin films (High Temperature Superconductors, ferrites, ferroelectrics, PTCR materials, layered perovskites)

Fabrication of μP & μC based Instrumentation systems.
 Materials Science and Characterization

Education

Ph D., Department of Physics, Marathwada University, Aurangabad, Maharashtra State, India. 1993. (Thesis title: Studies on Cationic substitutions in High-Tc superconductors)

M.Sc., PG & Research Centre in Physics and Electronics, J E S College, Jalna, Maharashtra State, India, PG Centre of Marathwada University, Aurangabad, 1989.

B.Sc., J E S College, Jalna, Maharashtra State, India, Physics, Electronics, and Chemistry, 1987.

Professional experiences

Reader, Department of Materials Science, Gulbarga University, Gulbarga, Karnataka, India, December 01, 2004 to date.

Reader, Department of Applied Electronics, Gulbarga University, Gulbarga, Karnataka, India, September 15, 2004 to December 01, 2004.

Senior Lecturer, Department of Applied Electronics, Gulbarga University, Gulbarga, Karnataka, India, September 15, 1999 to September 15, 2004.

Lecturer, Department of Applied Electronics, Gulbarga University, Gulbarga, Karnataka, India, September 15, 1995 to September 15, 1999.

Lecturer, Post Graduate & Research Centre in Physics & Electronics, Deogiri College, Aurangabad, Maharashtra State, India, August 11, 1993 to September 14, 1995.

Lecturer, Department of Physics & Electronics, LBS College, Dharmabad, Maharashtra State, India, September 12, 1992 to April 15, 1993.

Project Assistant, Department of Physics, Marathwada University, Aurangabad, Maharashtra State, India, January 25, 1991 to August 31, 1992.

Lecturer, Dept. of Applied Science, Marathwada Institute of Technology, Aurangabad, Maharashtra State, India, September 06, 1989 to January 24, 1991.

Research grants awarded

1. Defense Research and Development Organization (DRDO), New Delhi, India: Title of the project: Synthesis and Characterization of Chiral materials and development of microwave chirodomes, chiroratch antenna and their arrays; Sanction letter No.: DTSR/70686/Proj-3/R&T/D (R&D) dated March 31, 1997, 1997-2001, INR 19.74 Lakhs, Dr. A. B. Kulkarni (PI), Dr. R. L. Raibagkar (Co-PI) and Dr. K. Byrappa (CO-PI).
 2. University Grants Commission, New Delhi, India: 'Innovative programme in Materials Chemistry', Dept. of Materials Science, Gulbarga University, Gulbarga, Karnataka State, India, INR 40.00 Lakhs, 2007-2012.

Honours and awards

Dept. of Science and Technology, Govt. of India, fellowship during PhD, 1991-1992.

Certificate of Appreciation from World Congress on Superconductivity, USA, 1992.

Best paper award from 'Hari-Om Ashram prerit Shri Kakabhai Inter-University Trust' Sardar Patel University, Vallabh-Vidyanagar, 1993, Gujarat State, India

Best Poster Paper presentation award at 17th IAPT Convention, Sharnbasaveshwar College of Science, Gulbarga, 2002, Karnataka State, India

Professional services and activities

Member of Committees: University Youth Festival Programmes, University Convocation, Sports activities, University Programmes, Many Conferences, Seminars, Training Programmes, etc.

Reviewer of Journal and Conference Papers: Select National and International Journals, Conference on Advances in Materials Science (AMS-06), etc.

University service

Memberships of Dept. Council, Board of Studies, Board of Examinations, Electronics Society, Materials Science Society.

Publications

National peer-reviewed journals: 8

International peer-reviewed journals: 15

National conference publications: 30

International conference publications: 20

Invited talks: 4

Student research guidance

PhD student's degree awarded: 4

PhD student's in progress: 2

M. Phil student's degree awarded: 7

M. Phil student's in progress: 3

PhD thesis evaluated: 10

M.Sc Projects supervised: 20.

Postal address

Department of Post Graduate studies and Research in Materials Science, Gnan-ganga, Gulbarga University, Gulbarga, Karnataka, India



Name: C. M. Shu
Place and date of birth:
 Taichung, Taiwan, 25 November,
 1958
Nationality: Taiwan
E-mail: shucm@yuntech.edu.tw

Education and scientific degrees

Ph.D., Department of Chemical Engineering, University of Missouri-Rolla (UMR), Rolla, Missouri, USA
 MS, Department of Chemical Engineering, UMR, Rolla, Missouri, USA
 BS, Department of Chemical Engineering, Tunghai University, Taichung, Taiwan, ROC

Employment

Director, Ministry of Education, Taiwan, ROC (2005–present)
 Chairman, Pressure Vessel Association of ROC (2008–present)
 Reexamine Commissioner, Environmental Engineering Program, National Science Council, Taiwan, ROC (2008–present)
 Editor, (1) International Journal of Environment and Waste Management and (2) International Journal of Multimedia Data Engineering and Management (2008–present)
 Professor, Process Safety and Disaster Prevention Laboratory, Department of Safety, Health, and Environmental Engineering, National Yunlin University of Science and Technology (NYUST), Taiwan, ROC (1995–present)
 Adjunct Associate Professor, Department of Chemical Engineering, Tunghai University, Taiwan, ROC (1994–1995)
 Process Engineer, Process Department, Betch Corporation, Houston, Texas, USA (1990–1994)
 Research Assistant, UMR, Rolla, Missouri, USA (1986–1990)
 Second Lieutenant, Platoon Leader, Infantry, Chinese Army, Taiwan, ROC (1982–1984)

Main fields of interest

Process Safety; Runaway Reactions; Design of Emergency Relief Systems; Fire and Explosion Prevention; Chemical Emergency Response

Techniques; Thermal Stability Analysis for Reactive Materials; Chemical Process Quantitative Risk Assessment; Risk-based Inspection.

List of the 5 most important publications:

J. M. Tseng, C. M. Shu, J. P. Gupta and Y. F. Lin:
Evaluation and modeling runaway reaction of methyl ethyl ketone peroxide mixed with nitric acid
 Industry and Engineering Chemistry Research, 46, pp. 8738–8745, 2007.

J. M. Tseng, C. M. Shu, J. J. Horng, C. M. Kuan and H. I. Hsu:
Planning an emergency response center in Southern Taiwan Science Park
 Process Safety and Environmental Protection, Vol. 85, pp. 125–132, 2007.

J. M. Tseng, R. H. Chang, J. J. Horng, M. K. Chang and C. M. Shu:
Thermal hazard evaluation for methyl ethyl ketone peroxide mixed with inorganic acids
 J. Therm. Anal. Cal., 85 (2006) 189.

Y. M. Chang, K. W. Hu, J. K. Chen and C. M. Shu:
Flammability studies of benzene and methanol with different vapor mixing ratios under various initial conditions
 J. Therm. Anal. Cal., 83 (2006) 107.

H. Y. Hou, C. M. Shu and Y. S. Duh:
Exothermic decomposition of cumene hydroperoxide at low temperature conditions
 AIChE Journal, Vol. 47, pp. 1893–1896, 2001.

Number of papers in refereed journals: 70

Number of conference papers: 200

Number of books written in Chinese: 6

Award

Award of outstanding academic research at NYUST (2007)

Present position and postal address

123 University Road, Section 3, Douliou, Yunlin, Taiwan 64002, ROC
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 886-937-200-570, Fax: 886-5-531-2069

We would like to welcome the new Regional and Associate Editors

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