

| Personal information | |
|----------------------|---|
| First Name | Ignazio |
| Last Name | Blanco |
| Title | Full Professor |
| Citizenship | Italy |
| E-mail | iblanco@unict.it |
| WEB | http://www.dmfc.unict.it/users/iblanco/ |
| Affiliation | Department of Civil Engineering and Architecture – University of Catania |
| Phone | 00390957382819 |
| Postal Address | Viale A. Doria, 6 Catania 95125 Italy |
| Positions | Full Professor of Chemical Foundations of Technologies SSD CHIM/07 |



My key subject areas

Synthesis and characterization of toughened thermoset blends;
 Comparative kinetic study of the thermal degradation of nanocomposites;
 Synthesis and characterization of aromatic copolymers;
 Synthesis and characterization of Nanoparticles.
 Chemico-physical characterization of organic molecules

My academic key words

Thermal Stability, Nanoparticles, Nanocomposites, Kinetics of Degradation, Polymers, Materials Science, Heat capacity, POSS

ACADEMIC TITLES

Degree in industrial chemistry at the University of Catania. PhD in "Polymeric materials for special uses" at the University of Catania. Assistant Professor at the Department of Physical and Chemical Methodologies for Engineering of the University of Catania in the scientific sector ING-IND 22 "Science and Technology of Materials" since 02/01/2004 and in the scientific sector CHIM/07 "Chemical Foundations of Technologies" since 08/08/2007. Associate Professor of "Chemical Foundations of Technologies" and "Elements of Sustainable Green Chemistry" at the Department of Industrial Engineering of the University of Catania since 02/01/2011. Associate Professor at the Department of Civil Engineering and Architecture of the University of Catania in the scientific sector ING-IND 27 "Industrial and Technological Chemistry" since 02/01/2016. Full Professor at the Department of Civil Engineering and Architecture of the University of

Catania in the scientific sector "Chemical Foundations of Technologies" since 21/12/2018.

DIDACTICT ACTIVITIES

- He has taught "Science and technology of polymeric materials" within the degree course of Building Restoration and Environmental Engineering in the academic years 2006/2007, 2005/2006.
 - He has taught "Chemistry and Technology for the environment" within the degree course of Civil Engineering in the academic years 2006/2007, 2005/2006, 2004/2005.
 - He has taught "General chemistry" within the degree course of Mechanical Engineering, Electronic Engineering, Building Construction and Architectural Engineering, from the academic years 2007-2008 up to 2016.
 - He has taught "Elements of sustainable green chemistry" within the degree course of Chemical Engineering for Industrial Sustainability from the academic years 2012-2013 up to 2016.
- He has taught "Industrial Chemistry and Technology" and "Technologies for environmental protection" within the degree course of Chemical Engineering for Industrial Sustainability, from the academic years 2016-17 up to day.
- He has taught "General Chemistry" within the degree course of Building Construction and Architectural Engineering up to day.

RESEARCH ACTIVITIES

Prof. Blanco has authored and/or co-authored **83 papers indexed on Scopus, 1 chapters on books, 64 proceedings on national and international conferences**. The papers published have received a total of **1297 citations** and his h-index is equal to **25**.

research activities are focused on the following themes:

- Synthesis and characterization of toughened thermoset blends;
- Process technology of polymeric fibre-reinforced composites;
- Heat Capacities, Fusion, Solid to solid transition of series of organic molecules
- Comparative kinetic study of the thermal degradation of model polymers
- Comparative kinetic study of the thermal degradation of nanocomposites
- Synthesis and characterization of aromatic copolymers.
- Thermal characterization of films used on food packaging application
- Synthesis and characterization of nanoparticles
- POSS synthesis and characterization
- Material characterization for rapid prototyping

Funded projects

- **(2004-2006)** "*Synthesis and development of nanocomposites for packaging based on novel functionalised copolymers of PET and PEN*" National Project PRIN prot. 2004099185_004 (Role: Participant, granted 54.300,00 €).
- **(2008-2010)** "*Development of selective polymeric membranes for gas separation: optimization by the integrated use of the synthesis, the characterization and the multiscale molecular modeling techniques.*" (PRIN prot. 2007CNJTAH, Role: Participant, granted 56.777,00 €)
- **(2011-2013)** "*Soluble and nano-loaded textiles for composites obtained in RTM*" (PRIN NanoSolTex, Role: Participant)
- **(2011-2013)** "*Characterization of polymeric materials for use in food packaging and their environmental sustainability*" (University research project, Role: Coordinator, granted 5.350,00 €).
- **(2001-2012)** "*Comparative study of thermal and rheological properties of polymers*" (University research project, Role: Coordinator, granted 3.425,19 €).
- **(2011-2014)** "*MATRECO – Advanced materials for eco-sustainable transports*"

(PON02239 project, Role: Participant, Granted 711.450,00€)

- **(2011-2014)** "Advanced components for drag reduction" (PON01750 project, Role: Participant, granted 651.200,00€);
- **(2011-2014)** "Ambition Power" (PON0700 project, Role: Participant, granted 250.200,00€)
- **(2012-2015)** "Low noise" (PON Asse 1 project, Role: Participant)
- **(2015)** "MedETNA - Mediterranean network for emerging nanomaterials" (PO FESR 2007-2013 - Asse IV - Obiettivo 4.1.2 - Linea 4.1.2.A. project, Role: Participant)
- **(2016-2018)** "MATERials Life forecAst (MATELICA)" (Department research project, Role: Coordinator, granted 5.109,49 €).
- **(2018)** ANVUR Funding of basic research activities (granted 3.000,00 €)

PAPERS ON REFEREED JOURNALS (past 3 years)

Blanco, I.

Lifetime Prediction of Polymers: To Bet, or Not to Bet—Is This the Question?

(2018) Materials 11(8), 1383

<http://www.mdpi.com/1996-1944/11/8/1383>

DOI: 10.3390/ma11081383

Blanco, I.

The Rediscovery of POSS: A Molecule Rather than a Filler

(2018) Polymers 10(8), 904

<http://www.mdpi.com/2073-4360/10/8/904>

DOI: 10.3390/polym10080904

Blanco, I., Cicala, G., Ognibene, G., Rapisarda, M., Recca, A.

Thermal properties of polyetherimide/polycarbonate blends for advanced applications

(2018) Polymer Degradation and Stability 154, pp. 234-238

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85048774458&origin=resultslist&sort=plf-f&src=s&sid=3a9ff9b64ba3d7c353631363a5b3d659&sot=autdocs&sdt=autdocs&sl=17&s=AUID%287006352466%29&relpos=0&citeCnt=0&searchTerm=>

DOI: 10.1016/j.polyimdegradstab.2018.06.011

Cicala, G., Kumar, S.S., Blanco, I., Manuele, G., Recca, A.

Novel pultrusion process for bended rebars for civil engineering application

(2018) AIP Conference Proceedings 1981,020129

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85049955546&origin=resultslist&sort=plf-f&src=s&sid=cdb5f573378c5c6c8469404cccb17b44&sot=autdocs&sdt=autdocs&sl=17&s=AUID%287006352466%29&relpos=1&citeCnt=0&searchTerm=>

DOI: 10.1063/1.5045991

Blanco, I., Rapisarda, M., Portuesi, S., Ognibene, G., Cicala, G.

Thermal behavior of PEI/PETG blends for the application in fused deposition modelling (FDM)

(2018) AIP Conference Proceedings 1981,020181

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85049981859&origin=resultslist&sort=plf-f&src=s&sid=f302104fbe1ece090fa714b621c5bbdb&sot=autdocs&sdt=autdocs&sl=17&s=AUID%287006352466%29&relpos=2&citeCnt=0&searchTerm=>

DOI: 10.1063/1.5046043

Blanco, I., Bottino, F.A., Cicala, G., Latteri, A., Recca, A.

The new life of POSS, a very thermally stable nanoparticle
(2018) AIP Conference Proceedings 1981,020029

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85049959670&origin=resultslist&sort=plf-f&src=s&sid=07287ae4feda1c24df39f2fff4d12bb7&sot=autdocs&sdt=autdocs&sl=17&s=AU-ID%287006352466%29&relpos=3&citeCnt=0&searchTerm=>
DOI: 10.1063/1.5045891

Cicala, G., Di Mauro, C., Blanco, I., Ognibene, G., Samperi, F., Recca, A.
Novel poly(ethersulphone)s bearing pendant carboxylic acid groups for membranes: Structure and thermal properties

(2018) AIP Conference Proceedings 1981,020172
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85049943350&origin=resultslist&sort=plf-f&src=s&sid=1e99bc6d09b9f21f741ceefd21520a0e&sot=autdocs&sdt=autdocs&sl=17&s=AU-ID%287006352466%29&relpos=4&citeCnt=0&searchTerm=>
DOI: 10.1063/1.5046034

Cicala, G., Giordano, D., Tosto, C., Filippone, G., Recca, A., **Blanco, I.**
Polylactide (PLA) filaments a biobased solution for additive manufacturing: Correlating rheology and thermomechanical properties with printing quality

(2018) Materials 11(7),1191
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85049890523&origin=resultslist&sort=plf-f&src=s&sid=c788c7204b0de6a36f1f670596cc86a0&sot=autdocs&sdt=autdocs&sl=17&s=AU-ID%287006352466%29&relpos=5&citeCnt=2&searchTerm=>
DOI: 10.3390/ma11071191

Blanco, I.

Polysiloxanes in theranostics and drug delivery: A review
(2018) Polymers 10(7),755

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85049619951&origin=resultslist&sort=plf-f&src=s&sid=f78284aabb14f1379258ad99f85018c1&sot=autdocs&sdt=autdocs&sl=17&s=AU-ID%287006352466%29&relpos=6&citeCnt=1&searchTerm=>
DOI: 10.3390/polym10070755

Gagliano, A., Nocera, F., Bruno, M., Blanco, I.

Effectiveness of thermodynamic adaptive equilibrium models for modeling the pyrolysis process

(2018) Sustainable Energy Technologies and Assessments 27, pp. 74-82
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85044109761&origin=resultslist&sort=plf-f&src=s&sid=f3a71aebc8ed1b9899e72f1f4903686b&sot=autdocs&sdt=autdocs&sl=17&s=AU-ID%287006352466%29&relpos=8&citeCnt=1&searchTerm=>
DOI: 10.1016/j.seta.2018.03.006

Blanco, I., Bottino, F.A., Bottino, P., Chiacchio, M.A.

A novel three-cages POSS molecule: synthesis and thermal behaviour
(2018) Journal of Thermal Analysis and Calorimetry pp. 1-8 Article in Press

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85046029912&origin=resultslist&sort=plf-f&src=s&sid=83569b0b8b31748397a517d5c2a46211&sot=autdocs&sdt=autdocs&sl=17&s=AU-ID%287006352466%29&relpos=10&citeCnt=0&searchTerm=>
DOI: 10.1007/s10973-018-7206-y

La Rosa, A.D., **Blanco, I.**, Banatao, D.R., Pastine, S.J., Björklund, A., Cicala, G.

Innovative chemical process for recycling thermosets cured with recyclamines® by converting bio-epoxy composites in reusable thermoplastic-an LCA study
(2018) Materials 11(3),353

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85042732228&origin=resultslist&sort=plf-f&src=s&sid=04f85b5927ae384d04404a26e75f0319&sot=autdocs&sdt=autdocs&sl=17&s=AU-ID%287006352466%29&relpos=0&citeCnt=0&searchTerm=>

DOI: 10.3390/ma11030353

Cicala, G., Ognibene, G., Portuesi, S., Blanco, I., Rapisarda, M., Pergolizzi, E., Recca, G.
Comparison of Ultem 9085 used in fused deposition modelling (FDM) with polytherimide blends
(2018) Materials 11(2),285

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85042113048&origin=resultslist&sort=plf-f&src=s&sid=aa390626a0542b6c83bfa0c407256e69&sot=autdocs&sdt=autdocs&sl=17&s=AU-ID%287006352466%29&relpos=1&citeCnt=0&searchTerm=>

DOI: 10.3390/ma11020285

Blanco, I., Abate, L., Bottino, F.A.

Synthesis and thermal behaviour of phenyl-substituted POSSs linked by aliphatic and aromatic bridges

(2018) Journal of Thermal Analysis and Calorimetry, 131(2) 843-851

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85026489552&origin=resultslist&sort=plf-f&src=s&sid=3d69ccdfdfa7d7c2f761525f33b78565&sot=autdocs&sdt=autdocs&sl=17&s=AU-ID%287006352466%29&relpos=2&citeCnt=0&searchTerm=>

DOI 10.1007/s10973-017-6608-6

Cicala, G., Latteri, A., Mannino, S., Ognibene, G., Blanco, I.
Influence of Soluble Electrospun Co-Polyethersulfone Veils on Dynamic Mechanical and Morphological Properties of Epoxy Composites: Effect of Polymer Molar Mass
(2018) Advances in Polymer Technology 37(3), pp. 798-809

<https://www.scopus.com/record/display.uri?eid=2-s2.0-84973572616&origin=resultslist&sort=plf-f&src=s&sid=6f61e1d6ac92bc9cf96ebdf1c751a1ad&sot=autdocs&sdt=autdocs&sl=17&s=AU-ID%287006352466%29&relpos=9&citeCnt=2&searchTerm=>

DOI: 10.1002/adv.21723

Blanco, I., Bottino, F.A.

Synthesis, thermal behavior, and kinetics of degradation of alkyl hepta cyclopentyl polyhedral oligomeric silsesquioxanes/polysterene nanocomposites

(2018) Journal of Thermoplastic Composite Materials 31(7), pp. 913-924

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85042548998&origin=resultslist&sort=plf-f&src=s&sid=7e5475f33b99bbf05847fa9b92fa40f8&sot=autdocs&sdt=autdocs&sl=17&s=AU-ID%287006352466%29&relpos=7&citeCnt=1&searchTerm=>

DOI: 10.1177/0892705717729017

Cicala, G., Tosto, C., Latteri, A., La Rosa, A.D., Blanco, I., Elsabbagh, A., Russo, P., Ziegmann, G.

Green composites based on blends of polypropylene with liquid wood reinforced with hemp fibers: Thermomechanical properties and the effect of recycling cycles

(2017) Materials 10(9),998

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85028404446&origin=resultslist&sort=plf-f&src=s&sid=29c72a5b8613ad19ec1a9f783305927e&sot=autdocs&sdt=autdocs&sl=17&s=AU-ID%287006352466%29&relpos=5&citeCnt=3&searchTerm=>

DOI: 10.3390/ma10090998

Cicala, G., Saccullo, G., **Blanco, I.**, Samal, S., Battiato, S., Dattilo, S., Saake, B.
Polylactide/lignin blends: Effects of processing conditions on structure and thermo-mechanical properties

(2017) Journal of Thermal Analysis and Calorimetry 130(1), pp. 515-524

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85015257935&origin=resultslist&sort=plf-f&src=s&sid=06e72a4ad2581abc50f200a87497fd44&sot=autdocs&sdt=autdocs&sl=17&s=AU-ID%287006352466%29&relpos=1&citeCnt=0&searchTerm=>

DOI: 10.1007/s10973-017-6253-0

Cicala, G., Blanco, I., Latteri, A., Ognibene, G., Bottino, F.A., Fragalà, M.E.
PES/POSS Soluble Veils as Advanced Modifiers for Multifunctional Fiber Reinforced Composites
(2017) Polymers, 9(7), 281

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85025435046&origin=resultslist&sort=plf-f&src=s&sid=e97e826d458cbcb9cf88ba80126d0ec4&sot=autdocs&sdt=autdocs&sl=17&s=AU-ID%287006352466%29&relpos=6&citeCnt=2&searchTerm=>

DOI: 10.3390/polym9070281

Blanco, I., Abate, L., Bottino, F.A.

Mono substituted octaphenyl POSSs: The effects of substituents on thermal properties and solubility

(2017) Thermochimica Acta 655, pp. 117-123.

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85021261536&origin=resultslist&sort=plf-f&src=s&sid=b14d22a0cd0091317ba2fb7ce419c307&sot=autdocs&sdt=autdocs&sl=17&s=AU-ID%287006352466%29&relpos=0&citeCnt=0&searchTerm=>

DOI: 10.1016/j.tca.2017.06.019

Blanco, I., Cicala, G., Latteri, A., Saccullo, G., El-Sabbagh, A.M.M., Ziegmann, G.

Thermal characterization of a series of lignin-based polypropylene blends

(2017) Journal of Thermal Analysis and Calorimetry 127 (1), pp. 147-153.

<https://www.scopus.com/record/display.uri?eid=2-s2.0-84975270347&origin=resultslist&sort=plf-f&src=s&sid=d2d24d3620dd46566b96320bd64d1c02&sot=autdocs&sdt=autdocs&sl=17&s=AU-ID%287006352466%29&relpos=2&citeCnt=1&searchTerm=>

DOI: 10.1007/s10973-016-5596-2

Blanco, I., Bottino, F.A., Cicala, G., Latteri, A., Recca, A.

Synthesis and thermal characterization of mono alkyl hepta phenyl POSS/PS nanocomposites
(2016) Polymer Degradation and Stability 134, pp. 322-327.

<https://www.scopus.com/record/display.uri?eid=2-s2.0-84995698444&origin=resultslist&sort=plf-f&src=s&sid=270d1363ddec5a5f188aa4f9d7fcb419&sot=autdocs&sdt=autdocs&sl=17&s=AU-ID%287006352466%29&relpos=3&citeCnt=0&searchTerm=>

DOI: 10.1016/j.polymdegradstab.2016.11.002

Blanco, I., Abate, L., Bottino, F.A.

Preparation and Thermal Characterization of Three Different Series of Novel Polyhedral Oligomeric Silsesquioxanes/Polystyrene Nanocomposites

(2016) Journal of Macromolecular Science, Part B: Physics 55 (11), pp. 1111-1123.

<https://www.scopus.com/record/display.uri?eid=2-s2.0-84994000459&origin=resultslist&sort=plf-f&src=s&sid=766589eee0b75fbc5b9621637c81582f&sot=autdocs&sdt=autdocs&sl=17&s=AU-ID%287006352466%29&relpos=4&citeCnt=1&searchTerm=>

DOI: 10.1080/00222348.2016.1242531

Blanco, I., Bottino, F.A.
Kinetics of degradation and thermal behaviour of branched hepta phenyl POSS/PS nanocomposites
(2016) Polymer Degradation and Stability 129, pp. 374-379
<https://www.scopus.com/record/display.uri?eid=2-s2.0-84971280244&origin=resultslist&sort=plf-f&src=s&sid=176ea2ba5439d2204a495c8d06e25edd&sot=autdocs&sdt=autdocs&sl=17&s=AU-ID%287006352466%29&relpos=7&citeCnt=2&searchTerm=>
DOI: 10.1016/j.polymdegradstab.2016.05.005

Blanco, I., Cicala, G., Latteri, A., Saccullo, G.
Preparation and thermal behaviour of a series of liquid wood-polypropylene composites
(2016) AIP Conference Proceedings 1736, 4949589
<https://www.scopus.com/record/display.uri?eid=2-s2.0-84984535348&origin=resultslist&sort=plf-f&src=s&sid=50e9c1c40cb066a31f869ab26b87ec15&sot=autdocs&sdt=autdocs&sl=17&s=AU-ID%287006352466%29&relpos=8&citeCnt=0&searchTerm=>
DOI: 10.1063/1.4949589

Ognibene, G., Fragalà, M.E., Cristaldi, D.A., Blanco, I., Cicala, G.
Functional electrospun membranes
(2016) AIP Conference Proceedings 1736, 4949630
<https://www.scopus.com/record/display.uri?eid=2-s2.0-84984549635&origin=resultslist&sort=plf-f&src=s&sid=3d87ac44455c4ae597c1245fe288763f&sot=autdocs&sdt=autdocs&sl=17&s=AU-ID%287006352466%29&relpos=9&citeCnt=0&searchTerm=>
DOI: 10.1063/1.4949630

Ognibene, G., Cristaldi, D.A., Fiorenza, R., Blanco, I., Cicala, G., Scirè, S., Fragalà, M.E.
Photoactivity of hierarchically nanostructured ZnO-PES fibre mats for water treatments
(2016) RSC Advances 6 (49), pp. 42778-42785.
<https://www.scopus.com/record/display.uri?eid=2-s2.0-84968875158&origin=resultslist&sort=plf-f&src=s&sid=bf3e3055c955882ce1cceb3aaf9564cf&sot=autdocs&sdt=autdocs&sl=17&s=AU-ID%287006352466%29&relpos=12&citeCnt=3&searchTerm=>
DOI: 10.1039/c6ra06854e

Blanco, I., Bottino, F.A., Abate, L.
Influence of n-alkyl substituents on the thermal behaviour of Polyhedral Oligomeric Silsesquioxanes (POSSs) with different cage's periphery
(2016) Thermochimica Acta, 623, pp. 50-57.
<http://www.scopus.com/inward/record.url?eid=2-s2.0-84949437520&partnerID=40&md5=e6cc35dd44c53973a9e22c15877e7ea3>
DOI: 10.1016/j.tca.2015.11.013

Blanco, I., Bottino, F.A.,
Thermal characterization of a series of novel hepta cyclopentyl bridged POSS/PS nanocomposites
(2016) Journal of Thermal Analysis and Calorimetry, 125 (2) pp 637-643.
<https://www.scopus.com/record/display.uri?eid=2-s2.0-84978969293&origin=resultslist&sort=plf-f&src=s&sid=8cea74377993364b2e186d689abbaec5&sot=autdocs&sdt=autdocs&sl=17&s=AU-ID%287006352466%29&relpos=6&citeCnt=0&searchTerm=>
DOI: 10.1007/s10973-015-5098-7

Blanco, I.
Lifetime prediction of food and beverage packaging wastes
(2016) Journal of Thermal Analysis and Calorimetry, 125 (2) pp. 809-816.

<http://www.scopus.com/inward/record.url?eid=2-s2.0-84948415948&partnerID=40&md5=4601d32bdfd590e26c38bf0e00e5c33b>
DOI: 10.1007/s10973-015-5169-9

INVITED LECTURES AND ORGANIZATIONS

Organizing Committee Member of the VIII National Congress of Italian Association of Chemistry for Engineering AICIng - Catania 16/19 September 2012

Member of the Scientific Committee of the 3rd Central and Eastern European Conference on Thermal Analysis and Calorimetry - Ljubljana (Slovenia) - 25/28 August 2015

Technical Session Organizer and Session Chair of the Lifetime Prediction session at the 16th International Confederation for Thermal Analysis and Calorimetry Congress. Orlando, Florida (USA) August 14-19, 2016

Invited Lecture at the 1st Summer School on Renewable Energy Systems and Green Nanotechnologies for a Clean Environment. Palermo (Italy) 22-24 July 2014

Chairman of the workshop "Kinetics and Lifetime Prediction of Materials" in Chisinau, Moldova 31 August 2017

Member of the Scientific Committee of the 1st Journal of Thermal Analysis and Calorimetry and 6th V4 (Joint Czech-Hungarian-Polish-Slovakian) Thermoanalytical Conference (JTACC+V4) - Budapest, Hungary 6-9 June 2017

Member of the Scientific Committee of the XL National Congress on Calorimetry, Thermal Analysis and Applied Thermodynamics, Pisa, Italy 17-19 December-2018

Vice Chairman of the joint 5th Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC5) and 14th Mediterranean Conference on Calorimetry and Thermal Analysis (Medicta2019), Rome 26-30 August 2019

Invited lecture at XXXVIII National Congress on Calorimetry, Thermal Analysis and Applied Thermodynamics, Ischia (Naples), Italy 25-28 September-2016

Invited Lecture at the Russia-Italy Round Table 2016 New Functional Materials and Prebiotic Compounds, Suzdal, Russia October 17th - 20th 2016

Invited Lecture at the Short Summer School on Thermal Analysis and Calorimetry in Chisinau, Moldova 28 August 2017

Invited Lecture at the 4th Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC4) in Chisinau, Moldova 29-31 August 2017

Invited Lecture at the 13th CONFERENCE ON CALORIMETRY AND THERMAL ANALYSIS of the POLISH SOCIETY OF CALORIMETRY AND THERMAL ANALYSIS (CCTA 13), September 2-6, 2018, in Zakopane, Poland

Invited lecture at XL National Congress on Calorimetry, Thermal Analysis and Applied Thermodynamics, Pisa, Italy 17-19 December-2018

Invited Lecture at '7th International Seminar on Modern Polymeric Materials for Environmental Applications', Krakow, 15-17 May 2019

MEMBERSHIP

Member of the Advisory Board of Sci (MDPI ISSN 2413-4155)
Member of the Advisory Board of Science and Engineering of Composite Materials
Member of the Editorial Board of Journal of Composites Science
Member of Editorial Board of American Journal of Polymer Science
Member of Editorial Board of American Journal of Nano Research and Application
Member of Editorial Board of American Journal of Applied Chemistry
Member of Editorial Board of Current Advances in Materials Sciences Research
Member of Editorial Board of Trends in Materials Sciences
Member of Editorial Board of Journal of Nanomedicine
Guest Editor for Polymers
Guest Editor for Materials
Councillor member of the International Confederation for Thermal Analysis and Calorimetry
Member of the Scientific Committee of Scienze e Ricerche
Member of the Executive Committee of the Interdivisional Group for Calorimetry and Thermal Analysis (GICAT) of the Italian Chemical Society for the three-year period 2017-2020
Contributors of the Volume "Who is Who in Thermal Analysis and Calorimetry 2nd Ed
Member of Italian Association of Calorimetry and Thermal Analysis
Member of Italian Association of Chemical for Engineering
Member of University Centre for the Protection and Management of Natural Environments and Agroecosystem

Reviewer activities.

Grant proposal reviewer for the National Science Center, Poland

Grant proposal reviewer for the Kazakhstan National Center of Science and Technology Evaluation

He acts as referee for several international journals as:

Macromolecular Materials and Engineering; Journal of Applied Polymer Science; Polymer Degradation and Stability; Thermochemica Acta; Materials Chemistry and Physics; Journal of Thermal Analysis and Calorimetry; Journal of Molecular Structure; Chemical Industry & Chemical Engineering Quarterly; Science and Engineering of Composite Materials; Express Polymer Letters; Journal of Composite Materials; Industrial & Engineering Chemistry Research; Polymer Composites; Journal of Nanoparticle Research; Journal of Testing and Evaluation; African Journal of Chemistry; Journal of Composites; Science of the Total Environment; Molecular Science; Polymer-Plastics Technology and Engineering; Polymer Bulletin; Advances in Polymer Technology; Food and Bioprocess Technology-An International Journal; ACS Applied Materials & Interfaces; Materials; Macromolecules; Polymers; Journal of Polymers and the Environment; Waste Management; RSC Advances; Progress in Polymer Science; Crystals; Advances in Materials Science and Engineering; Construction & Building Materials; Macrocyclics. Symmetry; European Polymer Journal; Inorganic and Nano-Metal Chemistry; Materials Science and Engineering; Chemical Communications; Chemistry Letters; Crystals; Journal of Materials Chemistry C; Chemical Engineering Communications; Arabian Journal of Chemistry; Silicon; Applied Thermal Engineering; Current Chromatography; Journal of Composites Science; Eclética Química Journal; Bulletin of the Chemical Society of Japan; Philosophical Magazine Letters; Journal of Macromolecular Science, Part A: Pure and Applied Chemistry; Nanomaterials; Journal of Manufacturing and Materials Processing; Research on Chemical Intermediates; ACS Sustainable Chemistry & Engineering; Catalysts; Journal of Polymer Science, Part A: Polymer Chemistry; Phosphorus, Sulfur, and Silicon and the Related Elements; Nanomaterials; Acta Chimica & Pharmaceutica Indica; e-Polymers; Journal of Catalysis; Applied Clay Science; Journal of Agricultural and Food Chemistry; Innovative Food Science and Emerging Technologies