



Curriculum Vitae of Giuliano GIAMBASTIANI, Ph. D.

PERSONAL INFORMATION

Name	Giuliano GIAMBASTIANI
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PEC	giuliano.giambastiani@pec.it
Nationality	Italian
Date of birth	31 August 1970

ORCID ID

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ResearchGate

www.researchgate.net/profile/Giuliano_Giambastiani

RESEARCHER ID

E-3255-2016

Scopus Author ID

6603967177

WORK EXPERIENCE

- Dates
- Name and address of employer
- Type of business or sector
- Occupation or position held
- Main activities and responsibilities

From January 2007 to present

Italian National Research Council (CNR), Institute of Chemistry of OrganoMetallic Compounds (ICCOM), Via Madonna del Piano, 10 – 50019, Sesto Fiorentino (Fi), Italy.

Organic, organometallic chemistry, advanced nanomaterials synthesis and characterization, catalysis (homogeneous and heterogeneous).

Senior Researcher

Homogeneous and heterogeneous catalysis. Functionalization of carbon nanostructured materials. Organic and organometallic synthesis. Responsible for ICCOM of the laboratory for oligomerization/polymerization catalysis. Group leader of the Nanomaterials and Catalysis Group

(<http://www.iccom.cnr.it/giambastiani/>)

- Dates
- Name and address of employer
- Type of business or sector
- Occupation or position held
- Main activities and responsibilities

From December, 2001 to December 2006

Italian National Research Council (CNR), Institute of Chemistry of OrganoMetallic Compounds (ICCOM), Via Madonna del Piano, 10 – 50019, Sesto Fiorentino (Fi), Italy.

Organic and organometallic chemistry and catalysis.

Researcher

Organic and organometallic synthesis. Homogeneous and heterogeneous catalysis.

- Dates
- Name and address of employer
- Type of business or sector

From January, 1988 to March, 1989

DELIN S.r.l and TECNOWARE engineering. Sesto Fiorentino (Fi), Italy. Hardware and software managements.

- Occupation or position held
- Main activities and responsibilities

Office-worker

Master's designer for electronic devices.

EDUCATION AND TRAINING

- Dates
- Name and type of the organization
- Occupational skills covered

From July, 2001 to December, 2001

Consorzio Interuniversitario di Ricerca in Chimica dei Metalli nei Sistemi Biologici c/o ISSECC-CNR, Via I. Nardi, 39 – 50132, Firenze (Italy).
Grant-Holder. Research project: “*Synthesis and characterization of poly-N-containing macrocycles*”

- Dates
- Name and type of the organization
- Occupational skills covered
- Title of qualification awarded

From October, 2000 to July, 2001

University of Lausanne, UNIL, Lausanne (Switzerland)
Post-doctoral - Assistant Professor. Research project: “*Phosphorus donor ligands set in novel chiral and macrocyclic architectures*”
Post-doctoral - Assistant Professor. (Supervisor Prof. Carlo Floriani)

- Dates
- Name and type of the organization
- Occupational skills covered
- Title of qualification awarded

From October, 1997 to October, 2000

University of Florence, UNIFI, Florence (Italy)
Doctor of Philosophy, PhD. (supervisor Prof. Giovanni Poli). Research project: “*Simple and Pseudo-Domino Cyclizations via Palladium Catalysis: New Routes Towards Pyrrolidones and Total Synthesis of (±)-Demethoxy Epiisopropodophylline N-Benzyl Lactam*”
Doctor of Philosophy, PhD. of the University of Florence

- Dates
- Name and type of the organization
- Occupational skills covered
- Title of qualification awarded

From October, 1997 to October, 2000

University Pierre et Marie Curie, Paris VI, Paris (France)
Doctor of Philosophy, PhD. (supervisor Prof. Max Malacria). Co-tutoring doctorate on a joint research project between the University of Florence and the University PMC of Paris.
Doctor of Philosophy, PhD. of the University Pierre et Marie Curie of Paris (Paris VI)

- Dates
- Name and type of the organization
- Title of qualification awarded

From January 1998

University of Florence, UNIFI, Florence (Italy)
Habilitation to practice the profession of chemist (100/100)

- Dates
- Name and type of the organization
- Occupational skills covered
- Title of qualification awarded

From October, 1992 to October, 1997

University of Florence, UNIFI, Florence (Italy)
Degree in Chemistry (Supervisor Prof. Giovanni Poli). Research project: “*Synthesis of Substituted Pirrolidin-2-one Systems via Pd(0) and/or Ni(0) Catalyzed Intramolecular Allylic alkylation*”
Degree in Chemistry (Organic Chemistry) 110/110 *cum laude*

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE

OTHER LANGUAGES

Italian

English, excellent level spoken and written

French, excellent level spoken – good level written

ORGANIZATIONAL SKILLS AND COMPETENCES

The current scientific activity of Dr. Giambastiani spans from organic and organometallic synthesis and catalysis (homogeneous and heterogeneous) to the preparation and characterization of technologically advanced materials and composites based on functionalized carbon nanostructures such as carbon nanotubes, graphene, graphene-oxide and fullerenes. His interest in the field of sustainable catalysis promoted by metal-free graphitic carbons is witnessed by his recent achievements in transformations at the heart of renewable and environmental technology. Among them, the use of decorated graphitic carbons with tailored N-containing groups for the electrochemical oxygen reduction reaction (ORR - cathodic semi-reaction at fuel cell devices operating in alkaline environment) and the development of graphite-like materials from cheap and food-stuff components for the treatment of gaseous effluents (direct oxidation of H₂S in natural gas-tails to elemental sulfur - SuperClaus[®] process). His interest for the design and synthesis of graphite-like materials to be employed as metal-free systems in catalysis has been consolidated by recent findings on other fundamental industrial processes i.e. the direct steam-free and oxygen-free dehydrogenation of alkanes to alkenes and the Brønsted base isomerization of glucose to fructose. These catalytic processes are promoted by properly functionalized graphite-like materials and candidate to be an industrial landmark in polymer synthesis and biomass conversion, respectively. He is author of more than 130 scientific contributions (communications, full-papers, reviews) in peer-reviewed journals, 3 books and 7 book chapters and 14 patents (8 with international application – WO). His works received more than 4000 citations and his activity is ranked with an H index of 33 (Google Scholar Database source on March, 2019). He has presented his scientific results in more than 70 national and international congresses and he was Invited Speaker (invited, keynote and Plenary lecturer) in 30 international scientific events.

COORDINATION OF SCIENTIFIC PROJECTS

- **ICCOM Scientific Responsible (PI) in the project “MULTI-e” - Multielectron transfer for the conversion of small molecules: an enabling technology for the chemical use of renewable energy” – PRIN 2017 n° 20179337R7 (Programmi di Ricerca Scientifica di Rilevante Interesse Nazionale)**
ICCOM Prot. n° /2019
from April 2019 (tentative date) to March 2022
- **Scientific Responsible for ICCOM of the SPIDER project (Artificial Sponges to Promote spinal cord regeneration) of the Ente Cassa di Risparmio di Firenze for the development of polycationic polymers arranged around nanostructured carbon materials as “nano-platforms”, for the creation of “nano-sponges” to be applied in spinal cord regeneration.**
ICCOM Prot. N° 2555/2018
from 2018 to 2020

<ul style="list-style-type: none"> • <i>Dates</i> 	<ul style="list-style-type: none"> • Scientific Responsible (PI) for the project TRAINER (CaTalysts foR TrAnslition to ReNewable Energy FutuRe) of the international call “MAKE OUR PLANET GREAT AGAIN” for the development of innovative catalytic materials from carbon networks with specific templating capabilities (chemical and morphological) to be used for anchoring and stabilizing active phases such as “single-atom” or metallic nanoclusters, as well as for the growth of highly defective metal sulfides to their outer surfaces (coatings). ICCOM Prot. n° 152/2017 from 2018 to 2022
<ul style="list-style-type: none"> • <i>Dates</i> 	<ul style="list-style-type: none"> • ICCOM Scientific Supervisor of the industrial research activity within the project “CABRO” for the study of the morphological properties of metal-based catalysts for industrial purposes. ICCOM Prot. n° 152/2017 from February 2017 to January 2018
<ul style="list-style-type: none"> • <i>Dates</i> 	<ul style="list-style-type: none"> • ICCOM Scientific Responsible for the scientific cooperation agreement between the A.E. Arbuzov Institute of Organic and Physical Chemistry of the Kazan Scientific Center of the Russian Academy of Sciences (Kazan, Russian Federation) and the Institute of Chemistry of Organometallic Compounds (Florence, Italy) ICCOM Prot. n° 1360/2016 from May 2016 to present
<ul style="list-style-type: none"> • <i>Dates</i> 	<ul style="list-style-type: none"> • ICCOM Scientific Responsible (PI) in the project “SMARTNESS” - Solar driven chemistry: new materials for photo- and electro-catalysis” – PRIN 2015 n° 2015K7FZLH (Programmi di Ricerca Scientifica di Rilevante Interesse Nazionale) ICCOM Prot. n° 3222/2016 from March 2017 to February 2020
<ul style="list-style-type: none"> • <i>Dates</i> 	<ul style="list-style-type: none"> • ICCOM Scientific Responsible (PI) in the project “DECOrATE” - Nitrogen-DopEd carbon-based COATings for macroscopically shaped metal-free catalysts active in the Treatment of gaseous Effluents. SATT Conectus Alsace (France). ICCOM Prot. n° 3222/2016 from June 2015 to June 2017
<ul style="list-style-type: none"> • <i>Dates</i> 	<ul style="list-style-type: none"> • ICCOM Scientific Responsible (PI) in the project “CRYSTALLINE ELASTOMERS” - Novel polyolefin based elastomers with tailored stiffness from metallorganic catalysis. Fondazione CARIPILO – Ricerca scientifica in ambito Materiali Avanzati. ICCOM Prot. n° 3222/2016 from June 2014 to June 2016
<ul style="list-style-type: none"> • <i>Dates</i> 	<ul style="list-style-type: none"> • ICCOM Scientific Responsible for the scientific cooperation agreement between the Kazan Federal University (Kazan, Russian Federation) and the Institute of Chemistry of Organometallic Compounds (Florence, Italy) ICCOM Prot. n° 3385/2016 from May 2014 to present

• <i>Dates</i>	<ul style="list-style-type: none"> • ICCOM Scientific Responsible (PI) the project “FREECATs” - Doped carbon nanostructures as metal-free catalysts. (Small or medium scale focused research projects – FP7, NMP-2011-2.2-4 Novel materials for replacement of strategic or scarce raw materials (platinum group metals and rare earths). ICCOM Prot. n° 3222/2016 from March 2012 to March 2015
• <i>Dates</i>	<ul style="list-style-type: none"> • ICCOM Scientific Responsible (PI) in the flag project “NanoMAX - Encoder” – Engineering Nanostructures for Cellular imaging and for intracellular delivery of Optically Active Drugs for cardiac hypERTrophy. (Progetto Bandiera NanoMAX). ICCOM Prot. n° 3222/2016 from January 2012 to December 2018
• <i>Dates</i>	<ul style="list-style-type: none"> • ICCOM Scientific Responsible (PI) in the project “NANOCELL” - Nanosensori ottici all’interno delle cellule. (PAR FAS REGIONE TOSCANA Linea di Azione 1.1.a.3). ICCOM Prot. n° 3222/2016 from February 2011 to August 2013
• <i>Dates</i>	<ul style="list-style-type: none"> • ICCOM Coordinator (PI) in the project “New Single-Site Rare Earth Catalysts Supported by Amino-Pyridine Ligands for Olefin Polymerization and co-Polymerization” within the bilateral cooperation program CNR-RAS (2008-2010). CNR Protocol n° 31496 of April 15th 2008 ICCOM Prot. n° 3222/2016 from April 2008 to April 2011
• <i>Dates</i>	<ul style="list-style-type: none"> • ICCOM Coordinator (PI) in the project “Homogeneous Catalysis for Sustainable Development” within the European Research Networks - GDRI for the trilateral cooperation between Italy (CNR)-Russia (RAS)-France (CNRS). ICCOM Prot. n° 1710/2013 from January 2008 to January 2012

PARTICIPATION TO SCIENTIFIC PROJECTS

• <i>Dates</i>	<ul style="list-style-type: none"> • Scientific Bilateral Cooperation Project CNR-RFBR (Italy-Russian Federation). “Stoccaggio chimico di idrogeno in ammoniaca-borano (AB): sintesi di catalizzatori di deidrogenazione di AB e studi combinati spettroscopici/computazionali del meccanismo di rilascio di idrogeno”. ICCOM Prot. n° 3221/2016 from April 2015 to March 2017
• <i>Dates</i>	<ul style="list-style-type: none"> • Scientific Project NANoREG – A common European approach to the regulatory testing of Manufactured Nanomaterials” <i>EU Framework 7 Programme, contract no 310584</i>. ICCOM Prot. n° 3221/2016 from March 2013 to February 2017

<ul style="list-style-type: none"> • <i>Dates</i> 	<ul style="list-style-type: none"> • Scientific Project FIRB-(MIUR) TERANOSTICA. “Approcci nanotecnologici per la teranostica dei tumori (RBAP11ETKA_002)” progetto FIRB-Accordi di programma 2011. ICCOM Prot. n° 244/2017 from November 2011 to November 2015
<ul style="list-style-type: none"> • <i>Dates</i> 	<ul style="list-style-type: none"> • Scientific Bilateral Cooperation Project CNR-CSIC (Italy-Spain). “Attivazione di ammino-borani con complessi organometallici di transizione”. Protocollo CNR n° 11544 del 4 febbraio 2011 ICCOM Prot. n° 3221/2016 from January 2011 to December 2012
<ul style="list-style-type: none"> • <i>Dates</i> 	<ul style="list-style-type: none"> • Scientific Project COST Action CMST Action CM1006: “EUFEN: European F-Element Network” http://www.cost.eu/COST_Actions/cmst/CM1006 from April 2011 to April 2015
<ul style="list-style-type: none"> • <i>Dates</i> 	<ul style="list-style-type: none"> • Scientific Project (CESARE) “Concentrated PV combinEd SolAR Energy system” (D.D. Regione Toscana n° 2353 del 21 Maggio 2008). ICCOM Prot. n° 646/2009 from January 2009 to January 2010
<ul style="list-style-type: none"> • <i>Dates</i> 	<ul style="list-style-type: none"> • Scientific Project (ICT-ONE) “Nanotubi al carbonio quali nanostrutture per la veicolazione di molecole proteiche, farmaci e traccianti per l’analisi di processi farmacologici” (Regione Grant, Contract n° 1399, of May, 23rd 2008). ICCOM Prot. n° 646/2009 from May 2008 to November 2009
<ul style="list-style-type: none"> • <i>Dates</i> 	<ul style="list-style-type: none"> • Scientific Project (EBH2-Elettro-Bio-Idrogeno) “Produzione Sostenibile di Idrogeno Mediante Processi Elettrochimici e Fotobiologici” Programma Operativo Ob. 3 – Misura D4 (D.D. Regional Grant n° 2653 of May 14th 2007). ICCOM Prot. n° 646/2009 from September 2007 to September 2008
<ul style="list-style-type: none"> • <i>Dates</i> 	<ul style="list-style-type: none"> • Scientific Project COST Action D40 “Innovative Catalysis: New Processes and Selectivities” from October 2006 to November 2011
<ul style="list-style-type: none"> • <i>Dates</i> 	<ul style="list-style-type: none"> • Scientific Project between ICCOM-CNR and IDEALAB srl (SME) “Sintesi e caratterizzazione di catalizzatori e membrane da impiegare nella realizzazione di stack di celle a combustibile operanti con fonti energetiche rinnovabili”. ICCOM Prot. n° 646/2009 from October 2006 to September 2007
<ul style="list-style-type: none"> • <i>Dates</i> 	<ul style="list-style-type: none"> • Scientific Project between ICCOM-CNR e ACTA SpA (SME) “Catalizzatori metallici e organometallici nanostrutturati” ICCOM Prot. n° 646/2009 from July 2004 and June 2005

• Dates	<ul style="list-style-type: none"> • Scientific Project FIRB-(MIUR) NANOPACK “New Nanostructured Materials and Polymer Films for Flexible Packaging with reduced Environmental Impact and responsive to chemical and physical actions” (D.D. n° 2186 of December 12nd 2003, protocol n. RBNE03R78E). ICCOM Prot. n° 646/2009 from September 2005 to September 2009
• Dates	<ul style="list-style-type: none"> • Scientific Project FISR-(MIUR) “Nanosistemi inorganici ed ibridi per lo sviluppo e l’innovazione di celle a combustibile” (Decreto MIUR n° 873, Ric. 18.04.2005). ICCOM Prot. n° 646/2009 from April 2005 to April 2009
• Dates	<ul style="list-style-type: none"> • European Scientific Project (FP6 - NANOHYBRID) “Designed Nanostructured Hybrid Polymers: Polymerization Catalysis and Tecton Assembly” (NMP3-CT-2005-516972) contract n°. 516972 del 8/04/2005 ICCOM Prot. n° 646/2009 From March 2005 to March 2008

OTHER INSTITUTIONAL DUTIES AND SCIENTIFIC RESPONSIBILITIES AND COMMITMENTS

• Dates	<ul style="list-style-type: none"> • Permanent Member of the International Advisory Board (IAB) for the International Symposium on Homogeneous Catalysis (ISHC) since 2017 to present
• Dates	<ul style="list-style-type: none"> • Third position to the national competition for permanent position as “Research Director” of the CNR. Classified with 80,40 / 100. Call CNR 367.142 June 2017
• Dates	<ul style="list-style-type: none"> • Member of European Cluster on Catalysis (ECC). Responsible of the WG1c “Modeling, design and development of novel catalysts” http://www.catalysiscluster.eu/working-groups/ since 2015 to present
• Dates	<ul style="list-style-type: none"> • Permanent Member of the International Advisory Board (IAB) of the Carbocat conferences since 2015 to present
• Dates	<ul style="list-style-type: none"> • National scientific qualification to function as FULL PROFESSOR of Organic Chemistry (03/C1) in Italian Universities. from November 14th, 2014 to November 14th, 2020.
• Dates	<ul style="list-style-type: none"> • National scientific qualification to function as FULL PROFESSOR of Inorganic Chemistry (03/B1) in Italian Universities. from December 23rd, 2013 to December 23rd, 2017.

• *Dates* • *National scientific qualification to function as FULL PROFESSOR of Industrial Chemistry (03/C2) in Italian Universities.*
from March 31st, 2017 to March 31rd, 2023.

• *Dates* • *National scientific qualification to function as FULL PROFESSOR of Physical Chemistry (03/A2) in Italian Universities.*
from April 10th, 2017 to April 10th, 2023.

• *Dates* • **Managing Committee Member of the COST action CMST Action CM1006** titled: EUFEN: European F-Element Network
http://www.cost.eu/COST_Actions/cmst/CM1006?management
from April 2011 to April 2015.

• **Editor Springer-Verlag** for the book titled:
1) **Olefin Upgrading Catalysis by Nitrogen-based Metal Complexes, I** (vol. 35) - ISBN 978-90-481-3814-2
2) **Olefin Upgrading Catalysis by Nitrogen-based Metal Complexes, II** (vol. 36) - ISBN 978-94-007-0695-8



• *Dates* • *Member of the organizing committee* for the 9th International Symposium on Carbanion Chemistry (**ISCC-9**). Florence - Italy.
July, 20th 2010 – July 24th 2010

• *Dates* • *Responsible for ICCOM-CNR of the research project PM.P03.002.007* “Processi catalitici sostenibili per la produzione e la funzionalizzazione di macromolecole” of the Department of Chemical Science and Material Technology of the CNR.
ICCOM Prot. n° 1711/2013
from January 2010 to present

• *Dates* • *Elected Member of the ICCOM Scientific Committee.* In March 2010 ICCOM has been awarded as the first Chemistry Institute of the Department of Molecular Design of the Italian National Research Council by a panel of 107 international experts. It has also been classified at the 6th position among the CNR institutes operating in the area of Materials Chemistry.
ICCOM Prot. n° 294/2009
from April 2009 to 2016.

• *Dates* • *Scientific Secretary* of the International Symposium on Homogeneous Catalysis (**ISHC-XVI**). Florence - Italy.
ICCOM Prot. n° 666/2009
July, 6th 2008 – July 11th 2008.

	<ul style="list-style-type: none"> • Guest Editor for the peer-reviewed international journal "Topics in Catalysis", special issue "Homogeneous, Single-Site Heterogeneous and Nanostructured Catalysis for Sustainable Development" Topics in Catalysis, Vol. 40 (1-4), 2006, pagg. 1-243.
• Dates	<ul style="list-style-type: none"> • Permanent Member of the International Advisory Board (IAB) for the International Symposium on Relations between Homogeneous and Heterogeneous Catalysis (ISHHC) from 2006 to present
• Dates	<ul style="list-style-type: none"> • Responsible for ICCOM-CNR of the research project PM.P02.005.001 "Processi catalitici sostenibili ed innovativi in ambito macromolecolare" of the Department of Molecular Design of the CNR. ICCOM Prot. n° 645/2009 from January 2005 to January 2010
• Dates	<ul style="list-style-type: none"> • Consulting Scientist for private enterprise (ACTA SpA e IDEA LAB srl) located in Crespina - 56040 (Pi), Via di Lavoria 56/G. Responsible for the project: "Valutazione della tecnologia sviluppata da ACTA SpA nel settore degli elettrocatalizzatori e della componentistica delle celle a combustibile" from August 2005 to November 2006.
	<ul style="list-style-type: none"> • Scientific referee for the following peer-reviewed international journals and chemical societies: ChemSusChem, Wiley-VCH (since 02/2009); Angew. Chem. Int. Ed., Wiley-VCH (since 03/2011); Monatshefte für Chemie - Chemical Monthly, Springer (since 01/2010); Advanced Synthesis & Catalysis, Wiley-VCH (since 01/2010); Dalton Transactions, Royal Society of Chemistry (since 02/2010); Nanoscale, Royal Society of Chemistry (since 08/2015); Applied Materials & Interfaces, American Chemical Society (since 03/2010); Inorg. Chem., American Chemical Society (since 04/2011); Catalysis Letters, Springer (since 04/2011); ACS Catalysis, American Chemical Society (since 03/2014); Carbon, Elsevier (since 04/2014); Catalysis Today, Elsevier (since 09/2016); Coord. Chem. Rev., Elsevier (since 05/2013); Scientific referee for the Italian Minister of University and Research (MIUR) (since 07/2009); "Agence Nationale de la Recherche Francaise" (since 03/2010); Romanian National Council for Research and Development (since 03/2012); Deutsche Forschungsgemeinschaft (DFG) (since 08/2016).
• Dates	<ul style="list-style-type: none"> • Scientific Secretary of the International Symposium on relations between Homogeneous and Heterogeneous Catalysis (ISHHC-XII). Florence – Italy. ICCOM Prot. n° 665/2009 July 18th 2005 – July, 22nd 2005.
• Dates	<ul style="list-style-type: none"> • European Acquisition Editor for "ChemTracts Inorganic" (ISSN 1431-9268) from 2005 to 2009

- **Assistant Section Editor** for “ChemTracts Inorganic” (ISSN 1431-9268) from February 2002 to December 2008

TEACHING AND YOUNG SCIENTISTS TRAINING ACTIVITY

- **Teaching activity to young scientists (PhD course XXIV, XXV and XXVI cycle)** Topic: Metodologie Sintetiche e di Analisi per la Funzionalizzazione di Composti di Carbonio Nanostrutturati. **ICCOM Prot. n° 245/2017** October 2011

- **Tutoring of 13 young scientists [4 undergraduates, 3 grant-holders (assegnisti, borsisti), 2 PhD and 4 post-docs]** **ICCOM Prot. n° 1800/2013** from 2004 to 2009

- **Tutoring of 13 young scientists [7 undergraduates, 2 PhD and 4 post-docs]** **ICCOM Prot. n° 3361/2016** from 2011 to 2016

SCIENTIFIC AWARDS

- **Lee Hsun Research Award on Materials Science from the CHINESE ACADEMY of SCIENCE**
The Selection Committee of Lee Hsun Lecture Series has assigned this award in recognition of the contribution to material science and technology given by the research activity of Dr. Giuliano Giambastiani. **Prot. 2597 of August 31st, 2016** March 18th, 2016









- **Recipient of the international call launched by the French Republic Presidency “MAKE OUR PLANET GREAT AGAIN”**
Dr. Giuliano Giambastiani was among the winners of the international call “Make Our Planet Great Again”, launched by the French Republic Presidency for fighting against climate changes while addressing alternative and sustainable energy solutions for the planet. His project **TRAINER (CaTalysts foR TrAnsltion to ReNewable Energy FutuRe)** has been founded with 1,5 M€ for studying innovative catalytic processes at the heart of renewable energy sources. **Ref. ANR-17-MPGA-0017** December 11st, 2017





From 2000, Dr. Giambastiani has presented his own research activity in 70 national and international scientific events. He was “invited lecturer” in 41 events, “keynote” lecturer in 3 international conferences [ISHHC-XV (Japan 2013); **Carbocat 7** (France, 2016); **XLIV National Conference of the Italian Chemical Society** -

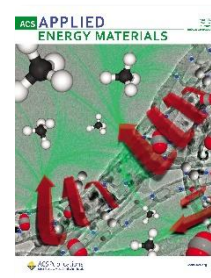
Inorganic Chemistry Division (Italy 2016) and “plenary lecturer” at 5 international events [Young PL at the EUCOMC-XXI (Bratislava, Slovakia, 2015); PL at the 48° Symposium on Catalysis (Prague – Czech Republic, 2016); XX National Conference of the Italian Chemical Society – Catalysis and Industrial Chemistry Division (Italy 2018); Arbuzov Memorial conference 'Dynamic processes in the chemistry of organoelement compounds' (Kazan, Russian Federation, 2018); 5th Indo-French Symposium on Functionalized Materials for Sustainable Catalytic and Related Applications MATSUCAT-2019 (Pune, India, 2019).

List of publications (with ISSN)

137. G. Biagiotti, F. Pisaneschi, S. T. Gammon, F. Machetti, M. C. Ligi, G. Giambastiani, G. Tuci, E. Powell, H. Piwnica-Worms, E. Pranzini, P. Paoli, S. Cicchi, D. Piwnica-Worms “Multiwalled carbon nanotubes for combination therapy: a biodistribution and efficacy pilot study”
J. Mater. Chem. B, **2019**, DOI: 10.1039/c8tb03299h. 
[ISSN: 2050-7518]; SJR: Q1
136. L. Luconi, A. Rossin, G. Tuci, Z. Gafurov, D. M. Lyubov, A. A. Trifonov, S. Cicchi, H. Ba, C. Pham-Huu, D. Yakhvarov, G. Giambastiani “Benzoimidazole-Pyridylamido Zirconium and Hafnium Alkyl Complexes as Homogeneous Catalysts for the Tandem Carbon Dioxide Hydrosilylation to Methane”
[ChemCatChem, 2019, 9, 495-510.](#) 
[ISSN: 1867-3899]; SJR: Q1
135. L. Luconi, G. Tuci, G. Giambastiani, A. Rossin, M. Peruzzini “H₂ production from Lightweight Inorganic Hydrides Catalyzed by 3d Transition Metals”
Chem. Soc. Rev., **2019**, submitted. 
[ISSN 0306-0012]; Q1
134. R. Vismara, G. Tuci, N. Mosca, K. V. Domasevitch, C. Di Nicola, C. Pettinari, G. Giambastiani, S. Galli, A. Rossin “Amino-decorated bis(pyrazolate) Metal-Organic Frameworks for carbon dioxide capture and green conversion into cyclic carbonates”
[Inorg. Chem. Front., 2019, 6, 533-545.](#) 
[ISSN 2052-1553]; Q1
133. L. Luconi, C. Garino, P. Cerreia Vioglio, R. Gobetto, M. R. Chierotti, D. Yakhvarov, Z. Gafurov, V. Morozov, I. Sakhapov, A. Rossin, G. Giambastiani “Halogen Bonding Interactions and Electrochemical Properties of Unsymmetrical Pyrazole Pincer Ni^{II} Halides: a Peculiar Behaviour of the Fluoride Complex (PCN)NiF”
[ACS Omega, 2019, 4, 1118-1129.](#) 
[ISSN 2470-1343]; Q2
132. W. Wang, C. Duong-Viet, Z. Xu, H. Ba, G. Tuci, G. Giambastiani, Y. Liu, T. Truong-Huu, J.-M. Nhut, C. Pham-Huu “CO₂ Methanation Under Dynamic Operational Mode Using Nickel Nanoparticles Decorated Carbon Felt (Ni/OCF) Combined with Inductive Heating”
[Catal. Today, 2019, DOI: 10.1016/j.cattod.2019.02.050.](#) 
[ISSN 0920-5861]; Q2

131. W. Wang, C. Duong-Viet, H. Ba, W. Baaziz, G. Tuci, S. Caporali, L. Nguyen-Dinh, O. Ersen, G. Giambastiani, C. Pham-Huu “Nickel Nanoparticles Decorated Nitrogen-Doped Carbon Nanotubes (Ni/N-CNT); a Robust Catalyst for the Efficient and Selective CO₂ Methanation”



[ACS Appl. Energy Mater., 2019, 2, 1111-1120.](#)  [Front cover article.](#) 
[ISSN 2574-0962]; Q

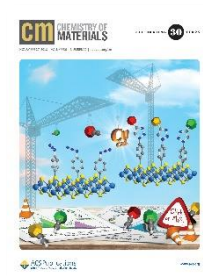


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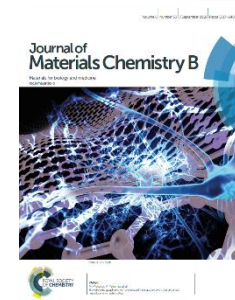
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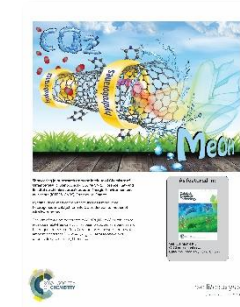
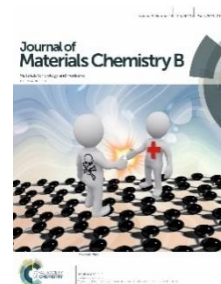
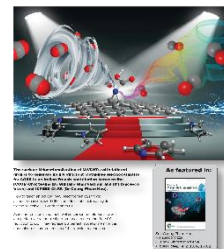





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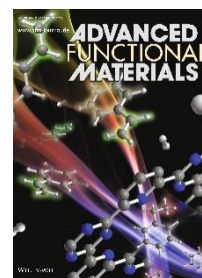
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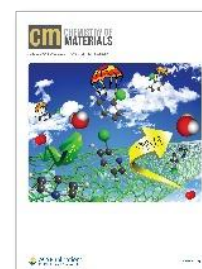
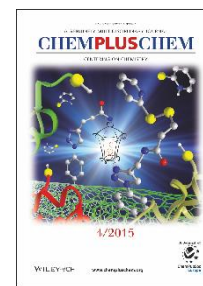


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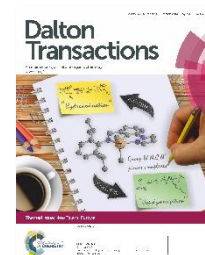



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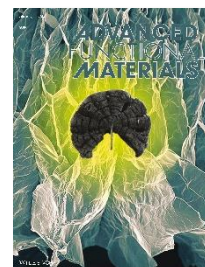
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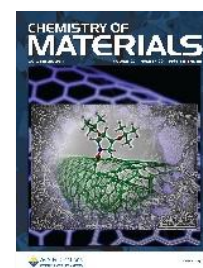
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