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PROF. CLAUDIO SANTIEMU



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UNIWERSYTET HUMANISTYCZNO-PRZYRODNICZY
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Prof. CLAUDIO SANTI



Prof. Claudio Santi was born in Fabriano (AN) in 1967. In 1992 he graduated in Pharmaceutical Sciences at the University of Perugia discussing a MD-thesis in Organic Synthesis. He was awarded his PhD in 1996 under the supervision of Prof. Marcello Tiecco and in 1998 supported by a fellow of the Swiss National Foundation he spent a period as visiting Scientist in the group of Prof. Thomas Wirth at the "Institute fur Organische Chemie" of Basel University. He has been invited as visiting professor in Jan Dlugosz University of Czestochowa-Poland (2013) and Universidade Federal de Pelotas – Brazil (2014). Furthermore, he received Erasmus fellowships for teaching organic chemistry in Jagiellonian University in Krakow (2007) School of Chemistry Cardiff University (2009), Univesidad Complutense de Madrid (2016). In 2002 he becomes assistant professor and in 2005 aggregate professor in the Faculty of Pharmacy of the University of Perugia. Since October 2013 he is associated professor of Organic Chemistry at the Department of Pharmaceutical Sciences of the same university and the 11/12/2013 HE RECEIVED THE NATIONAL SCIENTIFIC HABILITATION AS FULL PROFESSOR (ASN 2013).

Prof. Santi is a recognized expert in organoselenium chemistry. He has pioneered the studies on the use of optically pure diselenides in asymmetric synthesis and it was the first to envision the possibility to use organoselenium reagents (with emphasis on catalysts) in Green Chemistry. He studied the role of selenium heteroatom interactions as relevant conditions for the transfer of chiral information and more recently the reactivity of organoselenium derivatives in water. On this field, he produced the first class of bench stable zinc selenates that are nowadays commercially available and that some authors named after him "SANTI'S REAGENTS". He developed new eco-friendly protocols for the oxidation of organic substrates following a Glutathione Peroxidases-inspired approach proposing the first application of selenium catalysis under flow conditions. He recently developed the synthesis of new nitrogen containing diselenides and Ebselen like derivatives evaluating their biological activity and demonstrating, for the first time, their role as inhibitor of Ncp7 in the treatment of HIV as well as in a new concept of antioxidant protection based on the hormetic response.

Prof. Santi has published 140 peer-reviewed articles in indexed journal, edited 2 books and 4 special issues, and he wrote 10 book chapters. His work has been cited ~2469 times as of July 2018 (ISI Web of Science). He has an h-index of 30 (ISI Web of Science + Scopus) and his papers involve national and international collaborators. Among the award and honours: IN 2012 HE COFOUNDED AND IS STILL THE COORDINATOR OF THE INTERNATIONAL RESEARCH NETWORK ON SELENIUM SULFUR AND REDOX

CATALYSIS, in 2015 was nominate as SENIOR RESEARCH FELLOW OF MOSUL UNIVERSITY IRAQ and in 2017 FELLOW OF ROYAL SOCIETY OF CHEMISTRY (FRSC). In 2007 he received the Tetrahedron: Asymmetry "Most Cited Paper 2004-2007 Award", in 2012 the "RSC Advance Poster Prize" at Eurasia Conference on Chemical Sciences, in 2016 the Bentham "Certificate of appreciation" for the most cited paper in the Current Biological Chemistry journal, in 2016 he resulted in the TOP 10% OF THE MOST CITED AUTHORS FOR RSC chemical portfolio and in 2018 was included in the list "TOP ITALIAN SCIENTIST" OF THE VIA-ACADEMY (57° ranking position in the section Chemistry) Editorial activity: He acts as reviewer for several journals belonging to ACS, Wiley, RSC, Elsevier, Thieme, Springer. MDPI, Bentam, Taylor and Francys. He was/is member of several editorial and Scientific Boards: Associate Editor of Current Green Chemistry (2018-on); Regional Editor of Recent Patent on Catalysis - Bentham (2012-2014); Regional Editor of Current Green Chemistry -Bentham (2016-2018); member of the Advisory Board of The natural Journal Product (2014-on) member of the Editorial Board of Mini Review in Organic Chemistry (2016-on) member of the Editorial Board of Molecules (MDPI) (2016-present), member of the Editorial Board of International Journal of Molecular Sciences. He is in the Scientific Committees of Electronic conferences on Synthetic Organic Chemistry, and in the scientific advisory Board of the International Conferences on Chemistry of Selenium and Tellurium (ICCST) and of the Halogen Chemistry (HALCHEM). International Standing: Over the last 10 years Prof. Santi has given plenary, keynote or invited lectures at meetings and University in Brazil (x 8), Italy (x 6) Poland (x 11), and Turkey (x2), Japan (x2), India, UK, Greece. He chaired the Workshop WSeS-2 (2013), WSeS-3(2014) and he has served on the following International Scientific Program Committees in the last 5 years: Six consecutive Electronic conferences on Synthetic Organic Chemistry from (ECSOC-15) (ECSOC-20) edited by MDPI (Molecules); 1st International Meeting of Molecular Chemistry, Chemometrics and applications (RICMCA-2014) 29-30 May 2014 Bèni Mellal Maroc, He was designed as Chairman of the international meetings WSeS-7 (Perugia 2019), and HALCHEM (2019) and co-chairman of ICCST14 (2019). Teaching experiences; Since 2001 he is professor of "Physical Methods for Organic Chemistry" 72hr/year (9CFU) and since 2014 Professor of "Organic Chemistry of Natural Compounds" 42 hr/year (6 CFU) at the Department of Pharmaceutical Sciences of Perugia University. From 2003 to 2011 he was professor of "Spectroscopic Methods for Biomolecules" 32hr/year (4CFU) at the school of Biotechnology University of Perugia. Since 2006 he supervised (or co-advised) more than 70 experimental diploma work thesis, 6 incoming and 18 outgoing Erasmus Students, 5 PhD students 3 PhD Sandwich from Brazil and one PhD Sandwich from Morocco Supervisor of 3 post doc student. Institutional appointments: From 2012 to 2014 he was Member of Bioethics Committee, University of Perugia: from 2013– from 2013-2016 deputy of "Quality Assurance" for the Department of Pharmaceutical Sciences and since 2017 he is deputy of "Research and Innovation" for the Department of Pharmaceutical Sciences. In 2015 he was elected in the scientific committee of the University of Perugia for chemical sciences involved in the self-evaluation processes. The research project and the mobility programs of prof Santi are/were supported by public funds(University, MIUR, Regione Umbria); consortium of Universities CINMPIS; national and international foundations (Cassa di Risparmio di Perugia, CAPES, FAPERGS); University of Melbourne; and private companies; ABOCA srl, Sterling Italia, Sterling Chemical Malta Lts, EcoTech, L'Oreal Paris.