



Ivana Pibiri



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● WORK EXPERIENCE

11/2019 – CURRENT – Palermo

ASSOCIATE PROFESSOR (CHIM/06) – UNIVERSITY OF PALERMO

Research and teaching

Biological, Chemical and Pharmaceutical Sciences and Technologies STEBICEF (Chemistry section) Professional, scientific and technical activities

09/2019 – CURRENT

GUEST EDITOR FOR INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES MDPI

- Special Issue “Molecular approaches fighting nonsense” (2020);
- Special Issue “Molecular approaches fighting nonsense 2” (2022);
- Special Issue “Recent Advances: Heterocycles in Drugs and Drug Discovery” (2022).

Main activity: dissemination.

2023 – CURRENT – Palermo, Italy

-MEMBER OF THE BOARD OF PROFESSORS FOR THE NATIONAL PHD IN PRECISION MEDICINE

12/2018 – CURRENT – Palermo, Italy

-MEMBER OF THE BOARD OF PROFESSORS FOR THE PHD IN MOLECULAR AND BIOMOLECULAR SCIENCE – UNIVERSITY OF PALERMO

Organization and mentoring

2023-CURRENT

MEMBER OF THE SCIENTIFIC ADVISORY BOARD FOR CCM-BIOSCIENCE

www.ccm-bio.com

counseling

01/2016 – 12/2017 – Palermo, Italy

MEMBER OF THE COMMITTEE CGA (UNIVERSITY FACILITIES LABS) – ATEN CENTRE (ADVANCED TECHNOLOGIES NETWORK CENTER)

Organization

07/2015 – York, United Kingdom

VISITING ACADEMIC – DEPARTMENT OF CHEMISTRY, UNIVERSITY OF YORK

Research proposal and seminars

01/2014 – 12/2021 – Palermo, Italy

REFERENT FOR EDUCATION FOR CHEMISTRY BSC AND MSC COURSES – UNIVERSITY OF PALERMO

Orienting and counseling high school students in their choice of university bachelor courses

04/2014 – York, United Kingdom

VISITING ACADEMIC – DEPARTMENT OF CHEMISTRY, UNIVERSITY OF YORK

Research proposal and seminars

01/2005 – 10/2019 – Palermo, Italy

ASSISTANT PROFESSOR (CHIM/06) – UNIVERSITY OF PALERMO

Research and teaching

Biological, Chemical and Pharmaceutical Sciences and Technologies STEBICEF (Chemistry section) Professional, scientific and technical activities

11/2001 – 12/2004 – Palermo, Italy

POST-DOC FELLOW – UNIVERSITY OF PALERMO

Granted by the Italian Ministry of Education, University and Research (MIUR) in the frame of the project “Photochemical processes in the synthesis and reactivity of organic compounds”, in Prof. N. Vivona's research group.

10/2000 – 07/2001 – Brighton, United Kingdom

VISITING PHD STUDENT – SCHOOL OF CHEMISTRY, PHYSICS AND ENVIRONMENTAL SCIENCES(CPES),
UNIVERSITY OF SUSSEX

Main activity: research. Project: "Biotransformation of natural and semi-synthetic compounds",
under the supervision of Prof. James R. Hanson

11/1998 – 10/2001 – Palermo, Italy

PHD FELLOW IN CHEMICAL SCIENCE – UNIVERSITY OF PALERMO

Main activity: research. Project: "A study on bioactive terpenes" under the supervision of Prof.
Franco Piozzi

● EDUCATION AND TRAINING

06/2021

**ACHIEVED THE NATIONAL SCIENTIFIC QUALIFICATION AS FULL PROFESSOR IN THE ITALIAN
HIGHER EDUCATION SYSTEM, ACADEMIC RECRUITMENT FIELD 03/C1 ORGANIC CHEMISTRY
CHIM/06**

04/2017

**ACHIEVED THE NATIONAL SCIENTIFIC QUALIFICATION AS ASSOCIATE PROFESSOR IN THE
ITALIAN HIGHER EDUCATION SYSTEM, ACADEMIC RECRUITMENT FIELD 03/C1 ORGANIC
CHEMISTRY CHIM/06**

02/2002 – Palermo , Italy

PH.D (SUMMA CUM LAUDE) IN CHEMICAL SCIENCE – University of Palermo

Field(s) of study

- Natural sciences, mathematics and statistics : *Chemistry*

Thesis: Thesis: "A study of bioactive terpenes" Summa cum laude EQF level 8

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04/1997 – Palermo, Italy

QUALIFICATION FOR THE PROFESSION OF CHEMIST – University of Palermo

11/1996 – Palermo, Italy

MASTER'S DEGREE IN CHEMISTRY – University of Palermo

Field(s) of study

- Natural sciences, mathematics and statistics : *Chemistry*

Thesis: "Stereoselective synthesis of homoallylic alcohol by organostannane and organosilane
compounds – nonactive acid synthesis" with the supervision of Proff. R. Noto and M.
Gruttadauria

110/110 EQF level 7

07/1989 – Trapani, Italy

SCIENTIFIC HIGH SCHOOL DIPLOMA – State Scientific High School "V. Fardella"

● LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING	WRITING
	Listening	Reading	production	interaction
ENGLISH	C1	C2	C1	C1
				C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

Microsoft Word | Microsoft Excel | Microsoft Powerpoint | Google Drive | Microsoft Office | Google Docs | Social Media | Zoom | Facebook | Outlook | Power Point | LinkedIn | Skype | Internet user | Gmail

● COMMUNICATION AND INTERPERSONAL SKILLS

Communication skills

Good communication skills gained through teaching at University classes, teaching at schools, conferences, seminars, outreach activities in schools, dissemination activities for undergraduate students.

● MANAGEMENT AND LEADERSHIP SKILLS

Organization/managerial skills

Leadership (since 2016 and currently coordinating an interdisciplinary research team in the frame of FFC financed projects); leading undergraduate students and Ph.D. fellows in their experimental work and research.

● JOB RELATED SKILLS

Job related skills

Ability to work in a team, in multidisciplinary projects, in national and international collaborations

PATENTS

- 2017 National patent application RBI15083-IT deposited on 23/11/2017. "Derivati ossadiazolici per il trattamento di patologie genetiche dovute a mutazioni non senso" Inventors: Pibiri, I., Pace, A., Tutone, M., Lentini, L., Melfi, R., Di Leonardo, A. Shared Property: Università di Palermo and Fondazione per la Ricerca sulla Fibrosi Cistica – Onlus.
- 2018 International patent application PCT/EP2018/081850 deposited on 20/11/2018. Oxadiazole Derivatives For The Treatment Of Genetic Diseases Due To Nonsense Mutations Rif. RBW15083-PCT pubbl. WO2019101709 Inventors: Pibiri, I., Pace, A., Tutone, M., Lentini, L., Melfi, R., Di Leonardo, A. Shared Property: Università di Palermo and Fondazione per la Ricerca sulla Fibrosi Cistica – Onlus.
- Giugno 2020 Option contract to give exclusive license to the company CCM Biosciences Inc. (US) of the patent PCT/EP2018/081850 Oxadiazole Derivatives For The Treatment Of Genetic Diseases Due To Nonsense Mutations Rif. RBW15083-PCT pubbl. WO2019101709 Inventors: Pibiri, I., Pace, A., Tutone, M., Lentini, L., Melfi, R., Di Leonardo, A. Shared Property: Università di Palermo and Fondazione per la Ricerca sulla Fibrosi Cistica – Onlus.
- Novembre 2021 License agreement signature to give the exclusive license to the company CCM Biosciences Inc. (US) of the patent PCT/EP2018/081850 Oxadiazole Derivatives For The Treatment Of Genetic Diseases Due To Nonsense Mutations Rif. RBW15083-PCT pubbl. WO2019101709 Inventors: Pibiri, I., Pace, A., Tutone, M., Lentini, L., Melfi, R., Di Leonardo, A. Shared Property: Università di Palermo and Fondazione per la Ricerca sulla Fibrosi Cistica – Onlus.
- 2021 Patente released on 21/12/2021 United States Patent No.: US 11S203S578 B2 US appl. No. 16/770,240 Oxadiazole Derivatives For The Treatment Of Genetic Diseases Due To Nonsense Mutations Inventors: Pibiri, I., Pace, A., Tutone, M., Lentini, L., Melfi, R., Di Leonardo, A. Shared Property: Università di Palermo and Fondazione per la Ricerca sulla Fibrosi Cistica – Onlus.
- 2022 Granted patent on 13/04/2022 European Patent EP3713934 Oxadiazole Derivatives For The Treatment Of Genetic Diseases Due To Nonsense Mutations Inventors: Pibiri, I., Pace, A., Tutone, M., Lentini, L., Melfi, R., Di Leonardo, A. Shared Property: Università di Palermo and Fondazione per la Ricerca sulla Fibrosi Cistica – Onlus.
- 2022 National phases validation in the following countries: Belgium, Switzerland/Liechtenstein, Germany, France, United Kingdom, Ireland, Luxembourg, Monaco, for the European patent No.: EP3713934 RBE15083 Oxadiazole Derivatives For The Treatment Of Genetic Diseases Due To Nonsense Mutations Inventors: Pibiri, I., Pace, A., Tutone, M., Lentini, L., Melfi, R., Di Leonardo, A. Shared Property: Università di Palermo and Fondazione per la Ricerca sulla Fibrosi Cistica – Onlus.

HONOURS AND AWARDS

12/2013

Fellowship for outgoing mobility programme CORI for the years 2014-2015 – University of Palermo

Awarded fellowship to spend two periods as Visiting Academic at the Department of Chemistry of the University of York (UK)

11/2001

Post-doc fellowship for the years 2002-2004 in the frame of the project “Photochemical processes in the synthesis and reactivity of organic compounds” – University of Palermo

11/1998

PhD fellowship for the doctorate in Chemical Science – University of Palermo

● NETWORKS AND MEMBERSHIPS

2021 – CURRENT

Member on the Topical Advisory Panel of International Journal of Molecular Sciences (IJMS)-Molecular Pharmacology

2015 – 2017

Member of the Royal Society of Chemistry

2011 – CURRENT

Member of the Italian inter-universities consortium for Materials Science and Thecnology- INSTM

1998 – CURRENT

Member of the Italian Chemical Society (SCI)

● SCHOOLS ATTENDANCE

03/07/2011 – 10/07/2011

“International school of Liquid Crystals” Erice (TP) Italy

23/08/2010 – 27/08/2010

“Leuven Summer School on Ionic Liquids” Leuven, Belgium

17/09/2001 – 20/09/2001

“Corso Nazionale Di Introduzione Alla Fotochimica”, Bologna, Italy

12/06/2000 – 16/06/2000

XXV Summer School “A. Corbella”, Gargnano (BS), Italy

● FELLOWSHIPS

12/2013

CORI grant by the University of Palermo for Staffoutgoing mobility

10/2001

Post doc fellowship granted by the University of Palermo and MIUR for the Project “Photochemical Processes in the synthesis and reactivity of organic molecules”

11/1998

Chemical Science doctorate PhD fellowship granted by the University of Palermo

● PRINCIPAL INVESTIGATOR IN THE FOLLOWING PROJECTS:

- 2023-2025 PI of the nationalproject PRIN granted by MUR, “Innovative Therapies For The Treatment Of Rare Genetic Diseases Characterized By Nonsense Mutations” code: 2022T2F9HL (256.885€)
- 2022-2025 WP leader for WP 1 “Targeting tricks: innovative approaches for selective and specific therapeutic targeting” In the extended partnership“HEAL ITALIA - Health

Extended Alliance for Innovative Therapies, Advanced Lab-research, and Integrated Approaches of Precision Medicine”, granted in the frame of the National plan PNRR by the NextGenerationEU, (MUR) n. 341 del 15.03.2022. Code PE0000019. Coordinator for the University of Palermo of the Spoke 5 “Innovative Therapies” (€ 2.314.250)

- 2020-2022 Co-PI of the project granted by Fondazione Italiana per la ricerca sulla Fibrosi Cistica: FFC#6/2020 " Validation of the distribution and activity of new optimized leads in mouse model and other CF model systems" (€ 90.000)
- 2017-2019 Co-PI of the project granted by Fondazione Italiana per la ricerca sulla Fibrosi Cistica: FFC#3/2017 "Optimization of a new lead promoting the readthrough of nonsense mutations for the CFTR rescue in human CF cells" (€ 57.000);
- 2018-2019 Co-PI of the project granted by Fondazione IRI Pilastro Italia e Mediterraneo: "Identification of molecules with readthrough activity towards premature termination codons (PTCs) to rescue the genic function of CFTR (Cystic Fibrosis Transmembrane Conductance Regulator) in murine and human model cell systems" (€ 40.000);
- 2018-2019 PI of the grant FFR_2018_160324 (€1.200)
- 2017-2019 PI of the PJ_RIC_FFABR_2017_160324 (€3.000)
- 2014-2016 Co-PI of the project granted by Fondazione Italiana per la ricerca sulla Fibrosi Cistica: FFC#1/2014 " Identification and validation of new molecules obtained by computational and experimental integrated approaches, for the readthrough of PTCs in CF cells " (€ 38.000)
- 2012-2014 PI of the project granted by the University of Palermo (2012-ATE-0291): "Synthesis and characterization of organic salts for functional ionic phases" (€11.000)

● PARTICIPANT IN THE FOLLOWING PROJECTS

- 2013 PON02_00451_3362185 "INNOVAQUA – Innovazione tecnologica a supporto dell'incremento della produttività e della competitività dell'acquacoltura siciliana
- 2011-2013 participant of the project granted by Fondazione Italiana per la ricerca sulla Fibrosi Cistica: FFC#2/2011 "PTC124 derivatives as a new approach to boost the readthrough of premature termination codons in the CFTR gene (€ 40.000)
- 2006-2008 2006-ATE-0114, participant of the project granted by the Università di Palermo, "Synthesis of heterocyclic compounds for advanced applications (€ 21.000)
- 2004-2006 2004-ATE -1141, participant of the project granted by the Università di Palermo, "Synthesis and reactivity of heterocyclic compounds" (€ 20.000)

● LECTURER

2020 – CURRENT

Lecturer of “Structure and function of the organic molecules in food”, module of “Organic chemistry in food” (6 CFU) in the Master class of Food science and human nutrition

(University of Palermo)

2013 – CURRENT

Lecturer of “Chemistry of organic materials” (6 CFU) in the Master class of Chemistry

(University of Palermo)

2014 – 2016

Lecturer of “Organic Chemistry” (6 CFU) in the BSc class of Agroengineering (University of Palermo)

2011 – 2012

Lecturer of “Supramolecular Chemistry Lab” (6 CFU) in the Master class of Chemistry

(University of Palermo)

2009 – 2011

Lecturer of “Organic Chemistry Lab” (6 CFU) in the BSc class of Chemistry (University of Palermo)

2009 – 2011

Lecturer of “Complements of Organic Chemistry, Physical Chemistry and Physics”, module of “Organic spectroscopy” (3 CFU) in the BSc class of Biological Science (University

of Palermo – Trapani)

2002 – 2008

Lecturer of “Organic Chemistry” (6 CFU) in the BSc class of Biological Science (University of Palermo – Caltanissetta)

● **SUPERVISOR**

2002 – CURRENT

Supervisor of more than 27 students of Chemistry, Pharmacy, Chemistry and Pharmaceutic technologies for their experimental lab work or thesis and three Erasmus students from Germany

Supervisor of three students for their PhD in Molecular and Biomolecular Sciences at the University of Palermo

2015

1 Fellowship granted by Fondazione Italiana per la ricerca sulla Fibrosi Cistica to Dr Cristina Costantino

2019

1 Contract granted by Fondazione Internazionale III pilastro to Dr Ambra Campofelice

2016

2 stageists at STEBICEF: Dr. Federico Lo Nardo (2017), Dr. Francesca Venturella (2018)

● **SCIENTIFIC ACTIVITY**

Author

- **82 papers published in international peer-reviewed journals, including 8 book chapters and 4 reviews**
- **more then 80 communications at conferences and Universities, among which posters and speeches**

- **8 invited seminars/lectures**
- **2 patents**
- **H-index = 30**
- **No. of citations: 1856**

Research activity

The research activity is focused on Organic Chemistry and is mainly aimed at the synthesis, thermal and photochemical reactivity, and biological activity of organic, heterocyclic compounds and fluorinated systems.

The experience gained in the study of these systems has allowed the synthesis of new molecules with pharmacological applications and with applications in the field of materials science. In particular:

- synthesis of heterocycles as promoters of readthrough of nonsense mutations, for the treatment of Cystic Fibrosis and other genetic diseases, study of the molecular mechanisms underlying biological activity;
- synthesis of fluorinated heterocycles, synthesis of organic salts, ionic liquids, ionic liquid crystals, and structural and chemical and physical characterization studies;
- derivatization of graphenes with fluorinated heterocyclic units for oxygen transport and their characterization;
- synthesis of functionalized organic materials and nanocomposites and characterization of photophysical properties;
- synthesis and characterization of heterocyclic compounds as ligands for metal complexes as bioactive compounds or fluorogenic sensors for heavy metals;
- study of the photochemical reactivity of organic molecules, in particular, ring rearrangements and synthetic photocatalysis;
- isolation, characterization, and hemisynthesis of terpenoids, biotransformations of natural and hemisynthetic compounds.

● PUBLICATIONS

1. P.S. Carollo, M. Tutone, G. Culletta, I. Fiduccia, F. Corrao, I. Pibiri*, A. Di Leonardo, M.G. Zizzo, R. Melfi, A. Pace, A.M. Almerico, L. Lentini. "Investigating the Inhibition of FTSJ1, a Tryptophan tRNA-Specific 20-O-Methyltransferase by NV TRIDs, as a Mechanism of Readthrough in Nonsense Mutated CFTR" *Int. J. Mol. Sci.* 2023, 24, 9609-9627. <https://doi.org/10.3390/ijms24119609>
2. C. Rizzo, S. Amata, I. Pibiri, A. Pace, S. Buscemi, A. Palumbo Piccionello. "FDA-Approved Fluorinated Heterocyclic Drugs from 2016 to 2022" *Int. J. Mol. Sci.* 2023, 24, 7728-7763. <https://doi.org/10.3390/ijms24097728>
3. C. Rizzo, I. Fiduccia, S. Buscemi, A. Palumbo Piccionello, A. Pace, I. Pibiri*. "Shaping 1,2,4-Triazolium Fluorinated Ionic Liquid Crystals". *Appl. Sci.* 2023, 13, 2947-2958. <https://doi.org/10.3390/app13052947>.
4. F. Armetta, R.C. Ponterio, I. Pibiri, M.L. Saladino. "New Insight on Archaeological Metal Finds, Nails and Lead Sheathings of the Punic Ship from Battle of the Egadi Islands" *Molecules* 2023, 28, 1968-1979. <https://doi.org/10.3390/molecules28041968>
5. F. Corrao, M.G. Zizzo, M. Tutone, R. Melfi, I. Fiduccia, P.S. Carollo, A. Di Leonardo, G. Caldara, R. Perriera, A. Pace, B. Belmonte, S. Sammataro, I. Pibiri*, L. Lentini. "Nonsense codons suppression.

- An acute toxicity study of three optimized TRIDs in murine model, safety and tolerability evaluation" *Biomedicine & Pharmacotherapy*, 2022, 156, 113886-113895. <https://doi.org/10.1016/j.biopha.2022.113886>.
6. A. Riccobono, A.C. Whitwood, R.R. Parker, S. Hart, A. Pace, J.M. Slattery, I. Pibiri*, D.W. Bruce "Crystal and molecular structure of series of triphilic ionic liquid-crystalline materials based on the 1,2,4-triazolium cation" *CrystEngComm*, 2022, 24, 7852–7860. DOI: 10.1039/d2ce01354a.
 7. V. Bezzerri, L. Lentini, M. Api, E. Marinelli Busilacchi, V. Cavalieri, A. Pomilio, F. Diomede, A. Pegoraro, S. Cesaro, A. Poloni, A. Pace, O. Trubiani, G. Lippi, I. Pibiri*, M. Cipolli. "Novel translational read-through-inducing drugs as therapeutic option for Shwachman-Diamond syndrome" *Biomedicines*, 2022, 10(4), 886-900. <https://doi.org/10.3390/biomedicines10040886>.
 8. A. Palumbo Piccionello, I. Pibiri, A. Pace, S. Buscemi, N. Vivona. "1,2,4-Oxadiazoles" in *Comprehensive Heterocyclic Chemistry*, Elsevier ed. Cap 5, 2022, 147-189; <https://doi.org/10.1016/B978-0-12-409547-2.14791-2>.
 9. A. Maio, I. Pibiri, M. Morreale, F.P. La Mantia, R. Scaffaro. "An overview of functionalized graphene nanomaterials for advanced applications" *Nanomaterials*, 2021, 11(7), 1717-1748; <https://doi.org/10.3390/nano11071717>.
 10. I. Pibiri*. "Molecular approaches fighting nonsense" *International Journal of Molecular Sciences*, 2021, 22(21), 11933-11934. <https://doi.org/10.3390/ijms222111933>.
 11. A. Riccobono, G. Lazzara, S.E. Rogers, I. Pibiri*, A. Pace, J.M. Slattery, D.W. Bruce. "Synthesis and mesomorphism of related series of triphilic ionic liquid crystals based on 1,2,4-triazolium cations" *Journal of Molecular Liquids*, 2021, 321, 114758-114767. <https://doi.org/10.1016/j.molliq.2020.114758>.
 12. M. Saccone, A. Pace, I. Pibiri, G. Cavallo, P. Metrangolo, T. Pilati, G. Resnati, G. Terraneo. "Dissecting the packing forces in mixed perfluorocarbon/aromatic co-crystals" *CrystEngComm*, 2021, 23(41), 7324-7333. <https://doi.org/10.1039/d1ce01001h>.
 13. M.S. Weber, M. Schulze, G. Lazzara, A. Palumbo Piccionello, A. Pace, I. Pibiri*. "Oxadiazolyl-pyridinium as cationic scaffold for fluorinated ionic liquid crystals" *Applied Sciences* 2021, 11(21) 10347-10358. <https://doi.org/10.3390/app112110347>.
 14. S. Yurdakal, M. Bellardita, I. Pibiri, L. Palmisano, V. Loddò. "Aqueous selective photocatalytic oxidation of salicyl alcohol by TiO₂ catalysts: Influence of some physico-chemical features" *Catalysis Today*, 2021, 380, 16-24. <https://doi.org/10.1016/j.cattod.2021.06.030>.
 15. I. Pibiri*, R. Melfi, M. Tutone, A. Di Leonardo, A. Pace, L. Lentini. "Targeting nonsense: Optimization of 1,2,4-oxadiazole TRIDS to rescue CFTR expression and functionality in cystic fibrosis cell model systems" *International Journal of Molecular Sciences*, 2020, 21(17), 6420-6437. <https://doi.org/10.3390/ijms21176420>.
 16. S. Rubino, R. Alduina, P. Cancemi, M.A. Girasolo, V. Di Stefano, S. Orecchio, S. Buscemi, I. Pibiri. "Mononuclear perfluoroalkyl-heterocyclic complexes of Pd(II): Synthesis, structural characterization and antimicrobial activity" *Molecules*, 2020, 25(19), 4487-4496. <https://doi.org/10.3390/molecules25194487>.
 17. P. Marzullo, A. Pace, I. Pibiri, A. Palumbo Piccionello, S. Buscemi. "Recent advances on 1,2,4-oxadiazoles: From synthesis to reactivity and pharmaceutical applications" *Targets in heterocyclic synthesis*, 2020, 377-397. <https://doi.org/10.17374/targets.2021.24.377>.
 18. M. Tutone, I. Pibiri*, R. Perriera, A. Campofelice, G. Culletta, R. Melfi, A. Pace, A.M. Almerico, L. Lentini. "Pharmacophore-Based Design of New Chemical Scaffolds as Translational Readthrough-Inducing Drugs (TRIDs)" *ACS Med. Chem. Lett.* 2020, 11(5), 747-753. <https://doi.org/10.1021/acsmchemlett.9b00609>.
 19. C.G. Colletti, M. Massaro, G. Lazzara, G. Cavallaro, S. Milioto, I. Pibiri, R. Noto, S. Riela. "Synthesis,

- characterization and study of covalently modified triazole LAPONITE® edges” *Applied Clay Science*, 2020, 187, 105489-105494. <https://doi.org/10.1021/acsmedchemlett.9b00609>.
20. I. Pibiri*, A. Beneduci, M. Carraro, V. Causin, G. Casella, G.A. Corrente, G. Chidichimo, A. Pace, A. Riccobono, G. Saielli. “Mesomorphic and electrooptical properties of viologens based on non-symmetric alkyl/polyfluoroalkyl functionalization and on an oxadiazolyl-extended bent core” *Journal of Materials Chemistry C*, 2019, 7, 7974-7983. <https://doi.org/10.1039/c9tc01697j>. ISSN 2050.7526.
 21. A. Campofelice, L. Lentini, A. Di Leonardo, R. Melfi, M. Tutone, A. Pace, I. Pibiri*. “Strategies against Nonsense: Oxadiazoles as Translational Readthrough-Inducing Drugs (TRIDs)” *International Journal of Molecular Sciences* 2019, 20, 3329-3346. <https://doi.org/10.3390/ijms20133329>. EISSN 1422-0067.
 22. L. Lentini, R. Melfi, P. Cancemi, I. Pibiri, A. Di Leonardo. “Caffeine boosts Ataluren's readthrough activity” *Heliyon* 2019, 5, e01963. <https://doi.org/10.1016/j.heliyon.2019.e01963>. ISSN 2050.7526.
 23. M. Tutone, I. Pibiri*, L. Lentini, A. Pace, A.M. Almerico. “Deciphering the Nonsense Readthrough Mechanism of Action of Ataluren: An in Silico Compared Study” *ACS Medicinal Chemistry Letters* 2019, 10, 522–527. <https://doi.org/10.1021/acsmedchemlett.8b00558>. ISSN 1948-5875-
 24. A. Maio, R. Scaffaro, A. Riccobono, I. Pibiri*. “Functionalization of Graphene with Molecules and/or Nanoparticles for Advanced Applications” in “Handbook of Graphene, Volume 1: Growth, Synthesis, and Functionalization” (Edvige Celasco and Alexander Chaika Eds.) 2019, Cap.17, 547-597. ISBN 978-111946845-5, <https://onlinelibrary.wiley.com/doi/book/10.1002/9781119468455>.
 25. A. Palumbo Piccionello, I. Pibiri, S. Buscemi, A. Pace. “Recent development in fluorinated antibiotics” in “Fluorine in Life Sciences: Pharmaceuticals, Medicinal Diagnostics, and Agrochemicals” (Gunter Haufe Frédéric R. Leroux Ed.) 2019, Cap.5, 213-239. ISBN 978-012812733-9, 978-012812734-6 <https://doi.org/10.1016/B978-0-12-812733-9.00005-2>.
 26. A. Riccobono, R.R. Parker, A.C. Whitwood, J.M. Slattery, D. W. Bruce, I. Pibiri*, A. Pace. “1,2,4-Triazolium Ions as Flexible Scaffolds for the Construction of Polyphilic Ionic Liquid Crystals” *Chemical Communications* 2018, 54, 9965-9968. <https://doi.org/10.1039/c8cc04704a>. ISSN 1359-7345.
 27. M. Massaro, C.G. Colletti, S. Guernelli, G. Lazzara, M. Liu, G. Nicotra, R. Noto, F. Parisi, I. Pibiri, C. Spinella, S. Riela. Photoluminescent hybrid nanomaterials from modified halloysite nanotubes. *J. Mater. Chem. C*, 2018, 6, 7377-7384. <https://doi.org/10.1039/c8tc01424h>. ISSN 2050.7526.
 28. C. Rizzo, S. Marullo, P.R. Campodonico, I. Pibiri, N.Tz. Dintcheva, R. Noto, D. Millan, F. D’Anna. Self-Sustaining Supramolecular Ionic Liquid Gels for Dye Adsorption. *ACS Sustainable Chem. Eng.* 2018, 6, 12453–12462. <https://doi.org/10.1021/acssuschemeng.8b03002>. ISSN 21680485
 29. A. Maio, R. Scaffaro, L. Lentini, A. Palumbo Piccionello, I. Pibiri*. “Perfluorocarbons- graphene oxide nanoplatforms as biocompatible oxygen reservoirs”. *Chemical Engineering Journal*, 2018, 334, 54-65. <http://dx.doi.org/10.1016/j.cej.2017.10.032>. ISSN 1385-8947.
 30. S. Rubino, I. Pibiri*, C. Minacori, R. Alduina, V. Di Stefano, S. Orecchio, S. Buscemi, M.A. Girasolo, L. Tesoriere, A. Attanzio. Synthesis, structural characterization, anti-proliferative and antimicrobial T activity of binuclear and mononuclear Pt(II) complexes with perfluoroalkyl-heterocyclic ligands. *Inorg Chim Acta*, 2018, 483, 180–190. <https://doi.org/10.1016/j.ica.2018.07.039>. ISSN 00201693-
 31. I. Pibiri, S. Buscemi, A. Palumbo Piccionello, A. Pace. Photochemically Produced Singlet Oxygen: Applications and Perspectives. *ChemPhotoChem*, 2018, 2, 535-547. <https://doi.org/10.1002/cptc.201800076>- ISSN 23670932,
 32. Pibiri*, L. Lentini, R. Melfi, M. Tutone, S. Baldassano, P. Ricco Galluzzo, A. Di Leonardo, A. Pace.

- "Rescuing the CFTR protein function: Introducing 1,3,4-oxadiazoles as translational readthrough inducing drugs". *European Journal of Medicinal Chemistry*, 2018, 159, 126-142. <https://doi.org/10.1016/j.ejmech.2018.09.057>. ISSN 02235234.
33. I. Pibiri, L. Lentini, M. Tutone, R. Melfi, A. Pace, A. Di Leonardo. Exploring the readthrough of nonsense mutations by non-acidic Ataluren analogues selected by ligand-based virtual screening. *European Journal of Medicinal Chemistry*, 2016, 122, 429-435. <https://doi.org/10.1016/j.ejmech.2016.06.048>. ISSN 02235234.
 34. A. Martorana, V. Giacalone, R. Bonsignore, A. Pace, C. Gentile, I. Pibiri, S. Buscemi, A. Lauria, A. Palumbo Piccionello. Heterocyclic scaffolds for the treatment of Alzheimer's disease. *Current Pharmaceutical Design*, 2016, 22 (26), 3971-3995. <https://doi.org/10.2174/1381612822666160518141650>. ISSN 13816128.
 35. A. Maio, D. Giallombardo, R. Scaffaro, A. Palumbo Piccionello, I. Pibiri*. Synthesis of a fluorinated graphene oxide-silica nanohybrid: Improving oxygen affinity. *RSC Advances*, 2016, 6 (52), 46037-46047. <https://doi.org/10.1039/c6ra02585d>. ISSN 20462069.
 36. F. Parrino, A. Di Paola, V. Loddò, I. Pibiri, M. Bellardita, L. Palmisano. Photochemical and photocatalytic isomerization of trans-caffeic acid and cyclization of cis-caffeic acid to esculetin. *Applied Catalysis B: Environmental*, 2016, 182, 347-355. <https://doi.org/10.1016/j.apcatb.2015.09.045>. ISSN 09263373.
 37. S. Rubino, I. Pibiri*, C. Costantino, S. Buscemi, M.A. Girasolo, A. Attanzio, L. Tesoriere. Synthesis of platinum complexes with 2-(5-perfluoroalkyl-1,2,4-oxadiazol-3-yl)-pyridine and 2-(3-perfluoroalkyl-1-methyl-1,2,4-triazole-5-yl)-pyridine ligands and their in vitro antitumor activity. *Journal of Inorganic Biochemistry*, 2016, 155, 92-100. <https://doi.org/10.1016/j.jinorgbio.2015.11.020>. ISSN 01620134.
 38. A. Palumbo Piccionello, A. Calabrese, I. Pibiri, V. Giacalone, A. Pace, S. Buscemi. Synthesis of Fluorinated Bent-Core Mesogens (BCMs) Containing the 1,2,4-Oxadiazole Ring. *Journal of Heterocyclic Chemistry*, 2016, 53 (6), 1935-1940. <https://doi.org/10.1002/jhet.2509>. ISSN 0022152X.
 39. L. Lentini, R. Melfi, I. Pibiri, A. Pace, A. Premature termination codon 124 derivatives as a novel approach to improve the read-through of premature amber and ochre stop codons. *Journal of Biological Research*, 2015, 88 (1), 90-91., ISSN 18268838.
 40. A. Pace, S. Buscemi, A. Palumbo Piccionello, I. Pibiri. Recent Advances in the Chemistry of 1,2,4-Oxadiazoles. *Advances in Heterocyclic Chemistry*, 2015, 116, 85- 136. <https://doi.org/10.1016/bs.aihch.2015.05.001>. ISSN 00652725.
 41. I. Pibiri, L. Lentini, R. Melfi, G. Gallucci, A. Pace, A. Spinello, G. Barone, A. Di Leonardo. Enhancement of premature stop codon readthrough in the CFTR gene by Ataluren (PTC124) derivatives. *European Journal of Medicinal Chemistry*, 2015, 101, 236-244. <https://doi.org/10.1016/j.ejmech.2015.06.038>. ISSN 02235234. Ruolo: primo nome.
 42. I. Pibiri*, S. Buscemi, A. Palumbo Piccionello, M. L. Saladino, D. Chillura Martino, E. Caponetti. Photochemical synthesis of pyrene perfluoroalkyl derivatives and their embedding in a polymethylmethacrylate matrix: a spectroscopic and structural study. *Journal of Materials Chemistry C*, 2014, 2 (37), 7722-7730. <https://doi.org/10.1039/c4tc01187b> ISSN 2050-7526.
 43. F.S. Palumbo, M. Di Stefano, A. Palumbo Piccionello, C. Fiorica, G. Pitarresi, I. Pibiri, S. Buscemi, G. Giammona. Perfluorocarbon functionalized hyaluronic acid derivatives as oxygenating systems for cell culture. *RSC Advances*, 2014, 4, 22894-22901. <https://doi.org/10.1039/c4ra01502a>. ISSN 20462069.
 44. A. Pace, A. Palumbo Piccionello, I. Pibiri, S. Buscemi, N. Vivona. Chemistry of Fluorinated Oxadiazoles and Thiadiazoles. In *Fluorine in Heterocyclic Chemistry Volume 1: 5-Membered Heterocycles and Macrocycles*, V. Nenajdenko (ed.), 2014, 369- 417. ISBN 978-331904346-3,

- 3319043455, 978-331904345-6 https://doi.org/10.1007/978-3-319-04346-3_9.
45. M. Bellardita, V. Loddo, A. Mele, W. Panzeri, F. Parrino, I. Pibiri, L. Palmisano. Photocatalysis in dimethylcarbonate green solvent: degradation and partial oxidation of phenanthrene on supported TiO₂. *RSC Advances*, 2014, 4, 40859-40864. *RSC Advances*, 2014, 4, 22894-22901. <https://doi.org/10.1039/c4ra06222a>. ISSN 20462069.
 46. L. Lentini, R. Melfi, A. Di Leonardo, A. Spinello, G. Barone, A. Pace, A. Palumbo Piccionello, I. Pibiri. "Toward a Rationale for the PTC124 (Ataluren) Promoted Readthrough of Premature Stop Codons: A Computational Approach and GFP-Reporter Cell-Based Assay". *Molecular Pharmaceutics*, 2014, 11 (3), 653–664. <https://doi.org/10.1021/mp400230s>. ISSN 15438392.
 47. M. Bellardita, V. Loddo, G. Palmisano, I. Pibiri, L. Palmisano, V. Augugliaro. Photocatalytic green synthesis of piperonal in aqueous TiO₂ Suspension. *Applied Catalysis B: Environmental*, 2014, 144, 607-613. <https://doi.org/10.1016/j.apcatb.2013.07.070>. ISSN 09263373.
 48. A. Pace, A. Palumbo Piccionello, I. Pibiri, A. Accardo, N. Vivona, S. Buscemi. Applications of ring rearrangements involving a participating side chain for the synthesis of five-membered heterocycles. *Targets in Heterocyclic Systems*, 2014, 18, 48-86. ISSN 17249449.
 49. I. Pibiri, A. Palumbo Piccionello, A. Pace, G. Barone, S. Buscemi. Photochemical functionalization of allyl benzoates by C-H insertion. *Tetrahedron*, 2013, 69 (30), 6065- 6069. <https://doi.org/10.1016/j.tet.2013.05.093>. ISSN 14645416.
 50. M. Saccone, G. Cavallo, P. Metrangolo, A. Pace, I. Pibiri, T. Pilati, G. Resnati, G. Terraneo. Halogen bond directionality translates tecton geometry into self-assembled architecture geometry. *CrystEngComm*, 2013, 15 (16), 3102-3105. <https://doi.org/10.1039/c3ce40268a>, ISSN 14668033.
 51. I. Pibiri*, A. Pace, S. Buscemi, V. Causin, F. Rastrelli, G. Saielli. Oxadiazolyl-pyridines and perfluoroalkyl-carboxylic acids as building blocks for protic ionic liquids: crossing the thin line between ionic and hydrogen bonded materials. *Physical Chemistry Chemical Physics*, 2012, 14 (41), 14306-14314. <https://doi.org/10.1039/c2cp42467c>. ISSN 1463-9076.
 52. A. Palumbo Piccionello, A. Guarcello, A. Calabrese, I. Pibiri, A. Pace, S. Buscemi. Synthesis of fluorinated oxadiazoles with gelation and oxygen storage ability. *Organic & Biomolecular Chemistry*, 2012, 10 (15), 3044-3052. Articolo su rivista, <https://doi.org/10.1039/c2ob07024c>, ISSN 14770520.
 53. I. Pibiri*, S. Buscemi. A Recent Portrait of Bioactive Triazoles. *Current Bioactive Compounds*, 2010, 6 (4), 208-242. <https://doi.org/10.2174/157340710793237281>- ISSN 15734072.
 54. N. Vivona, S. Buscemi, I. Pibiri, A. Palumbo Piccionello, A. Pace. Synthesis of Heteroaromatics via Rearrangement Reactions. In *Handbook of Synthetic Photochemistry* Ed. by Angelo Albini and Maurizio Fagnoni, Wiley-VCH, 2010, pp. 387-416. ISBN 978-352732391-3 <https://doi.org/10.1002/9783527628193.ch12>.
 55. I. Pibiri, A. Palumbo Piccionello, A. Calabrese, S. Buscemi, N. Vivona, A. Pace. Fluorescent Hg²⁺ Sensors: Synthesis and Evaluation of a Tren-Based Starburst Molecule Containing Fluorinated 1,2,4-Oxadiazoles. *European Journal of Organic Chemistry*, 2010, 4549–4553. <https://doi.org/10.1002/ejoc.201000763>; ISSN 10990690.
 56. A. Palumbo Piccionello, A. Pace, I. Pibiri, S. Buscemi. Solvent dependent photochemical reactivity of 3-allyloxy-1,2,4-oxadiazoles. *ARKIVOC*, 2009 (viii) 156- 167. <https://doi.org/10.3998/ark.5550190.0010.813>, ISSN 1551- 7012.
 57. A. Palumbo Piccionello, A. Pace, P. Pierro, I. Pibiri, S. Buscemi, N. Vivona, "On the reaction of some 5-polyfluoroaryl-1,2,4-oxadiazoles with methylhydrazine: synthesis of fluorinated indazoles". *Tetrahedron*, 2009, 65, 119–127. <https://doi.org/10.1016/j.tet.2008.10.094>. ISSN 00404020.
 58. F. Lo Celso, I. Pibiri, A. Triolo, R. Triolo, A. Pace, S. Buscemi, N. Vivona. Study on the thermotropic properties of highly fluorinated 1,2,4-oxadiazolyl-pyridinium salts and their perspective

- applications as ionic liquid crystals. *Journal of Materials Chemistry*, 2007, 17 (12), 1201-1208. <https://doi.org/10.1039/b615190f>. ISSN 13645501.
59. A. Pace, I. Pibiri, A. Palumbo Piccionello, S. Buscemi, N. Vivona, G. Barone. Experimental and DFT studies on competitive heterocyclic rearrangements. Part 2: a one-atom side-chain versus the classic three-atom side-chain (Boulton-Katritzky) ring rearrangement of 3-acylamino-1,2,4-oxadiazoles. *Journal of Organic Chemistry*, 2007, 72, 7656-7666. <https://doi.org/10.1021/jo701306t>. ISSN 00223263.
60. A. Palumbo Piccionello, I. Pibiri, A. Pace, R.A. Raccuglia, S. Buscemi, N. Vivona, G. Giorgi, "On the photoreaction of some 1,2,4-oxadiazoles in the presence of 2,3- dimethyl-2-butene. Synthesis of N-imidoylaziridines". *Heterocycles*, 2007, 71, 1529- 1537. <https://doi.org/10.3987/com-07-11040>. ISSN 03855414.
61. G. Avellone, D. Bongiorno, S. Buscemi, L. Ceraulo, S. Indelicato, A. Pace, I. Pibiri, N. Vivona. Characterization of isomeric 1,2,4-oxadiazolyl-N-methylpyridinium salts by electrospray ionization tandem mass spectrometry. *European Journal of Mass Spectrometry*, 2007, 13, 199-205. <https://doi.org/10.1255/ejms.877>. ISSN 14690667.
62. I. Pibiri, A. Pace, S. Buscemi, N. Vivona, L. Malpezzi L. Designing fluororous domains. Synthesis of a series of pyridinium salts bearing a perfluoroalkylated azole moiety. *Heterocycles*, 2006, 68, 307-321. <https://doi.org/10.3987/COM-05-10633>. ISSN 03855414.
63. I. Pibiri, A. Pace, A. Palumbo Piccionello, P. Pierro, S. Buscemi. Synthesis and characterization of a series of alkyl oxadiazolylpyridinium salts as perspective ionic liquids. *Heterocycles*, 2006, 68, 2653-2661. <https://doi.org/10.3987/com-06-10895>. ISSN 03855414.
64. S. Buscemi, A. Pace, A. Palumbo Piccionello, I. Pibiri, N. Vivona, G. Giorgi, A. Mazzanti, D. Spinelli. Five-to-six membered ring-rearrangements in the reaction of 5- perfluoroalkyl-1,2,4-oxadiazoles with hydrazine and methylhydrazine. *Journal of Organic Chemistry*, 2006, 71, 8106-8113. <https://doi.org/10.1021/jo061251e>. ISSN 00223263.
65. A. Palumbo Piccionello, A. Pace, I. Pibiri, S. Buscemi, N. Vivona, "Synthesis of fluorinated indazoles through ANRORC-like rearrangement of 1,2,4-oxadiazoles with hydrazine". *Tetrahedron*, 2006, 62, 8792-8797. <https://doi.org/10.1016/j.tet.2006.06.100>. ISSN 00404020.
66. S. Buscemi, A. Pace, A. Palumbo Piccionello, I. Pibiri, N. Vivona. Fluorinated heterocyclic compounds. A photochemical approach to a synthesis of polyfluoroaryl-1,2,4-triazoles. *Heterocycles*, 2005, 65, 387-394. <https://doi.org/10.3987/COM-04-10255>. ISSN 03855414.
67. A. Pace, I. Pibiri, S. Buscemi, N. Vivona, L. Malpezzi. Photochemistry of fluorinated heterocyclic compounds. An expedient route for the synthesis of fluorinated 1,3,4- oxadiazoles and 1,2,4-triazoles. *Journal of Organic Chemistry*, 2004, 69, 4108-4115. <https://doi.org/10.1021/jo049814e>. ISSN 00223263.
68. S. Buscemi, M. D'Auria, A. Pace, I. Pibiri, N. Vivona. Theoretical study of photoinduced ring-isomerization in the 1,2,4-oxadiazole series. *Tetrahedron*, 2004, 60, 3243-3249. <https://doi.org/10.1016/j.tet.2004.02.007>. ISSN 00404020.
69. S. Buscemi, A. Pace, I. Pibiri, N. Vivona, C.Z. Lanza, D. Spinelli. Fluorinated heterocyclic compounds. The first example of an irreversible ring-degenerate rearrangement on five-membered heterocycles by attack of an external bidentate nucleophile. *European Journal of Organic Chemistry*, 2004, 974-980. <https://doi.org/10.1002/ejoc.200300737>.
70. S. Buscemi, A. Pace, I. Pibiri, N. Vivona, T. Caronna. Fluorinated heterocyclic compounds: an assay on photochemistry of some fluorinated 1-oxa-2-azoles: an expedient route to fluorinated heterocycles. *Journal of Fluorine Chemistry*, 2004, 125, 165-173. <https://doi.org/10.1016/j.jfluchem.2003.07.006>. ISSN 00221139.
71. S. Buscemi, A. Pace, A. Palumbo Piccionello, I. Pibiri, N. Vivona. Fluorinated heterocyclic compounds. A photochemical approach to a synthesis of fluorinated quinazolin-4-ones.

- Heterocycles, 2004, 63, 1619-1628. [https://doi.org/ 10.3987/COM-04-10059](https://doi.org/10.3987/COM-04-10059). ISSN 03855414.
72. Pace, I. Pibiri, S. Buscemi, N. Vivona. Molecular rearrangements of 1-oxa-2-azoles as an expedient route to fluorinated heterocyclic compounds. *Heterocycles*, 2004, 63, 2627- 2648. [https://doi.org/ 10.3987/rev-04-584](https://doi.org/10.3987/rev-04-584). ISSN 03855414.
73. S. Buscemi, A. Pace, I. Pibiri, N. Vivona, D. Spinelli. Fluorinated heterocyclic compounds. An expedient route to 5-perfluoroalkyl-1,2,4-triazoles via an unusual hydrazinolysis of 5-perfluoroalkyl-1,2,4-oxadiazoles: first examples of an ANRORC-like reaction in 1,2,4-oxadiazole derivatives. *Journal of Organic Chemistry*, 2003, 68, 605- 608. <https://doi.org/10.1021/jo0262762>. ISSN 00223263.
74. J.R. Hanson, P.B. Hitchcock, I. Pibiri, F. Piozzi. The biotransformation of the diterpenoid, rosenonolactone by *mucor plumbeus*. *Journal of Chemical Research Synopses*, 2003, 3, 147-149. [https://doi.org/ 10.3184/030823403103173291](https://doi.org/10.3184/030823403103173291). ISSN 03082342.
75. S. Buscemi, A. Pace, I. Pibiri, N. Vivona. Competing ring-photoisomerization pathways in the 1,2,4-oxadiazole series. An unprecedented ring-degenerate photoisomerization. *Journal of Organic Chemistry*, 2002, 67, 6253-6255. [https://doi.org/ 10.1021/jo025934f](https://doi.org/10.1021/jo025934f). ISSN 00223263.
76. S. Buscemi, A. Pace, I. Pibiri, N. Vivona. Fluorinated heterocyclic compounds. Synthesis of 5-amino-, 5-N-alkylamino-, and 5-N,N-dialkylamino-3-perfluoroheptyl-1,2,4-oxadiazoles. *Heterocycles*, 2002, 57, 1891-1896. [https://doi.org/ 10.3987/com-02-9531](https://doi.org/10.3987/com-02-9531). ISSN 03855414.
77. M. Bruno, S. Rosselli, I. Pibiri, N. Kilgore, K.H. Lee. Anti-HIV agents derived from the ent-kaurane diterpenoid linearol. *Journal of Natural Products*, 2002, 65, 1594-1597. . <https://doi.org/10.1021/np020029b>. ISSN 01633864.
78. J.R. Hanson, P.B. Hitchcock, I. Pibiri, C.Uyanik. Interactions between the aldehyde and anhydride groups in the diterpenoid fujenal. *Journal of Chemical Research Synopses*, 2002, 12, 647-648. [https://doi.org/ 10.3184/030823402103171131](https://doi.org/10.3184/030823402103171131). ISSN 03082342.
79. S. Rosselli, M. Bruno, I. Pibiri, F. Piozzi. Synthesis of beta-methyl-furolabdanes from (+) sclareolide. *European Journal of Organic Chemistry*, 2002, 4169-4173. [https://doi.org/10.1002/1099-0690\(200212\)2002:243.0.CO;2-F](https://doi.org/10.1002/1099-0690(200212)2002:243.0.CO;2-F); ISSN 1434193X.
80. M. Bruno, S. Rosselli, I. Pibiri, F. Piozzi, M.L. Bondi, M.S.J. Simmonds. Semisynthetic derivatives of ent-kauranes and their antifeedant activity. *Phytochemistry*, 2001, 58, 463- 474. [https://doi.org/10.1016/S0031-9422\(01\)00252-7](https://doi.org/10.1016/S0031-9422(01)00252-7); ISSN 00319422.
81. M. Bruno, S. Rosselli, I. Pibiri, F. Piozzi, M.S.J. Simmonds. Hydrogenation of some furoclerodane derivatives and their antifeedant activity. *Heterocycles*, 2000, 53, 599-612. <https://doi.org/10.3987/com-99-8777>.ISSN 03855414.
82. I. Pibiri, "Taxol, a natural antitumoral drug". *Atti Della Accademia Di Scienze, Lettere E Arti Di Palermo, Parte Prima: Scienze*, 2000, vol. XXI-V.

● INVITATED LECTURES

04/05/2023

Invited Academic research Seminar at GIGA Institute CHU Liegi Belgium "Molecular approaches fighting nonsense and an inspiring pearl in translational medicine"

25/07/2020

Invited Seminar for PhD students at the University of Naples Federico II, Naples, "Molecular approaches fighting nonsense: oxadiazole TRIDs optimization to rescue CFTR expression and functionality in Cystic Fibrosis"

10/04/2014

Invited Academic Research Seminar at the Department of Organic Chemistry of the University of York (UK) , "Fluorinated Organic Compounds and Materials: Synthetic strategies and Applications"

30/09/2011

Confindustria Messina - Italia, L'Impresa e l'Emancipazione Energetica. Strategie di liberazione dal sistema energetico tradizionale, "Le tecnologie fotovoltaiche"

25/07/2011

Stuttgart Universitat, Germany. International Symposium on Ionic Liquid Crystals:"Oxadiazolyl-Pyridinium Based Organic Salts"

ORAL REPORTS

17/07/2018 – 20/07/2018

Italian-Spanish-Portuguese Joint Meeting in Medicinal Chemistry MedChemSicily 2018 Palermo (Italy)

I. Pibiri, L. Lentini, R. Melfi, M. Tutone, S. Baldassano, A. Di Leonardo, A. Pace "Rescuing CFTR Protein Function: 1,3,4-oxadiazoles versus 1,2,4-oxadiazoles as readthrough inducing drugs"

11/09/2011 – 16/09/2011

XXIV Congresso Nazionale della Società Chimica Italiana, Lecce (Italy)

I. Pibiri, G. Saielli, V. Causin, A. Palumbo Piccionello, A. Pace, S. Buscemi "Ionic Self Assembly in the Design of Fluorinated Ionic Liquid Crystals (ILCs)"

04/12/2006 – 05/12/2006

Convegno congiunto della Società Chimica Italiana – sez. Calabria e Sicilia, Palermo (Italy)

I. Pibiri, A. Pace, A. Palumbo Piccionello, P. Pierro, F. Lo Celso, "Sintesi di Sali di azolil-piridinio contenenti catene perfluoroalchiliche o alchiliche: alcune proprietà e potenziali applicazioni"

28/06/2003 – 02/07/2003

2nd Mediterranean Meeting on Photochemistry, Giardini Naxos (ME) (Italy)

S. Buscemi, A. Pace, **I. Pibiri**, N. Vivona, "Photochemistry applied to the synthesis of fluorinated heterocycles"

02/12/2002 – 03/12/2002

Convegno Regionale della Società Chimica Italiana – Sezione Sicilia, Acireale (CT) (Italy)

S. Buscemi, A. Pace, **I. Pibiri**, N. Vivona, "Riarrangiamenti molecolari nella sintesi di sistemi eterociclici fluorurati"

16/12/1999

M. Bruno, S. Rosselli, **I. Pibiri**, F. Piozzi, M.S.J. Simmonds, “Derivati da idrogenazione di furoclerodani e loro attività antifeedant”