

Prof Anna Maria Almerico
CURRICULUM VITAE

- Graduated in Chemistry with full marks and honour in 1977 at the University of Palermo.
- Tutor of the course of Organic Chemistry and Organic Analysis in the Faculty of Sciences - University of Palermo in the Academic Year 1977/1978.
- Post Doctoral Fellow funded by "Accademia Nazionale dei Lincei" in the Faculty of Pharmacy - University of Palermo from 1.1.1979 to 6.7.1981.
- Researcher in the Faculty of Pharmacy - University of Palermo from 7.7.1981 to 31.10.1992.
- Post Doctoral Fellow funded by CNR - NATO, at the School of Chemical Sciences - University of East Anglia (U.K:) from 29.10.1983 to 28.6.1984.
- Postdoctoral Research Associate at the College of Pharmacy - Ohio State University (U.S.A.) from 26.5.1986 to 25.5.1987.
- Associate Professor of Chemotherapeutic Drugs in the Faculty of Pharmacy - University of Palermo from 1.11.1992 to 31.10.1993.
- Visiting Professor at Masaryk University - Brno (Czech Republic) from 6 to 18.9.1993.
- Associate Professor of Drug Analysis in the Faculty of Pharmacy - University of Palermo from 1.11.1993 to 26.12.2001.
- Full Professor of Medicinal Chemistry in the Faculty of Pharmacy - University of Palermo from 27.12.2001 to date.
- Professor of Drug Design and Synthesis in the Academic Years 1995/96, 1996/97, 1997/1998.
- Professor of Advanced Methods in Medicinal Chemistry in the Academic Years 1999/2000, 2000/2001, 2001/2002, 2002/2003, 2003/2004, 2004/2005, 2013/2014, 2014/2015, 2015/2016, 2016/2017, 2017/2018, 2018/2019, 2019/2020, 2020/2021.
- Professor of Pharmaceutical Biotechnologies (Faculty of Sciences) in the Academic Year 2002/2003, 2003/2004, 2004/2005, 2005/2006, 2006/2007, 2007/2008, 2008/2009, 2009/2010, 2010/2011, 2011/2012.
- Professor of Nutraceuticals (in the degree in Human Feeding and Nutrition Sciences) in the Academic Year 2020/2021, 2021/2022, 2022/2023.
- Director of the Department "Farmacochimico, Tossicologico e Biologico" (1.11.2004-13.07.2005).
- Head of the Council for the degree in "Chemistry and Pharmaceutical Technologies" from the Academic Year 2005/2006 to the Academic Year 2010/2011.
- Director of the School for Specialists in Hospital Pharmacy from the Academic Year 2010/2011 to 31.12.2017.

EXPERT - REVIEWER MEMBERSHIP

- Member of the Register of Expert Peer Reviewers for Italian Scientific Evaluation.
- Member of the Register of Expert of ANVUR ((National Agency for the Evaluation of Universities and Research Institutes) from 16.06.2017.
- Expert for HORIZON 2020.
- Reviewer for the NATIONAL SCIENCE CENTRE, POLAND (www.ncn.gov.pl)
- Reviewer for the LATVIAN COUNCIL OF SCIENCE (<https://www.lzp.gov.lv>)

MEMBERSHIP OF PROFESSIONAL SOCIETIES

- Fellow of Divisione di Chimica Farmaceutica della Società Chimica Italiana
- Fellow of Divisione di Chimica Teorica e Computazionale della Società Chimica Italiana
- Fellow of International Society of Heterocyclic Chemistry
- Fellow of Cheminformatics and QSAR Society (QSAR and Modeling Society up to 2007)

ORGANIZING ACTIVITY

- Member of the Organising Committee of IV Convegno Nazionale -Divisione di Chimica Farmaceutica - Società Chimica Italiana, Palermo October 1983.
- Member of the Organising Committee of the Meetings “Strutture Eterocicliche nella Ricerca Farmaceutica”, Palermo May 1986-1998.
- Member of the Scientific Committee of the Corso Avanzato in Chimica Farmaceutica e Seminario Nazionale per Dottorandi “E.Duranti” - Divisione di Chimica Farmaceutica - S.C.I. from 1999 to 2004.
- Member of the Organising Committee of the 20Th International Congress of Heterocyclic Chemistry, Palermo July 31 - August 5, 2005.
- President of the Organising Committee and Member of the Scientific Committee of the Convegno Congiunto delle Sezioni Calabria e Sicilia della S.C.I. Palermo December 4-5, 2006.
- Member of the Organising Committee of the XXI National Meeting on Medicinal Chemistry - Divisione di Chimica Farmaceutica - S.C.I. Palermo July 17-20, 2012.

EDITORIAL ACTIVITY

- Coauthor of the chapter "Diazoazoles" in "Advances in Heterocyclic Chemistry", R.A.Katritzky ed., Academic Press, Inc. Publishers.
- Coauthor of the chapter "Aminopyrroles" in "Pyrroles. Part II", R.A.Jones ed, in the series "The Chemistry of Heterocyclic Compounds", John Wiley & Sons, Inc. Publishers.
- Referee for the journal “Il Farmaco”
- Referee for the “Journal of Chemical Research”
- Referee for the “Journal of Pharmacy and Pharmacology”
- Referee for the “Journal of Organic Chemistry”
- Referee for the “European Journal of Organic Chemistry”
- Referee for the journal “Heteroatom Chemistry”
- Referee for the journal “Bioorganic and Medicinal Chemistry”
- Referee for the journal “Bioorganic and Medicinal Chemistry Letters”
- Referee for the “Journal of Medicinal Chemistry”
- Referee for the “European Journal of Medicinal Chemistry”
- Referee for the journal "Chemical Biology & Drug Design"
- Referee for the journal "SAR and QSAR in Environmental Res"
- Referee for the journal “PLoS Computational Biology” and “PLoS ONE”
- Referee for the “Journal of Molecular Modeling”
- Referee for the “Journal of Molecular Recognition”
- Referee for the journal “Monatshefte für Chemie - Chemical Monthly”
- Referee for the journal “RSC Advances”
- Referee for the journal “Interdisciplinary Sciences: Computational Life Sciences”
- Referee for the journal “Scientia Pharmaceutica”
- Referee for the journal “Journal of Chemical Information and Modeling”
- Referee for the journal “Medicinal Chemistry Research”
- Referee for the journal “ChemMedChem”
- Referee and member of the Editorial Board of Referees for the journals: "Recent Patents on Anti-Cancer Drug Discovery", "Current Computer-Aided Drug Design", "Arkivoc", and “Molecules”
- Guest Editor for Special Issues in the journal “Molecules”

SCIENTIFIC ACTIVITY

The scientific activity of Prof. Anna Maria Almerico is mainly devoted to study the synthesis and the chemical behaviour of new nitrogen heterocycles of biological interest. In particular the most recent studies are devoted to the design (*in silico* studies), preparation and evaluation of the biological properties of compounds related to well known anticancer/antiviral/antiparasitic drugs.

Main fields of interest are:

- Design, Syntheses and Modelling/QSAR studies of pyrroles and indoles analogues of biologically active compounds.
- Syntheses of new polycondensed nitrogen heterocycles and studies of their biological activity.
- Design and synthesis of key intermediates for the preparation of new compounds structurally related to bioactive molecules.
- Optimization of *in silico* screening methods with the aim of drug discovery and repurposing

Prof. Anna Maria Almerico has published more than 160 papers, 2 chapters, and has presented more than 180 communications to Congresses.