

PERSONAL INFORMATION

Leonardo Scaglioni
 Birth 14/12/1957 Milan

Dipartimento di Scienze per gli Alimenti, la Nutrizione e l'Ambiente
 Università degli Studi di Milano
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CURRENT POSITION

Assistant Professor in Organic chemistry, Department of Molecular and Agrifood Sciences in the Agricultural Faculty of the University of Milan.

WORK EXPERIENCE

- 2002- He joined the Department of Molecular and Agrifood Sciences in the Agricultural Faculty of the University of Milano as Researcher in Organic Chemistry.
- 1995-2002 He joined the Department DISMA of the University of Milano as a technical staff member.
- 1976-1983 Activity research in the project CNR: Nuovi Fitofarmaci e Fitoregolatori.

PERSONAL SKILLS

Mother tongue Italian

Other language

| | UNDERSTANDING | | SPEAKING | | WRITING |
|---------|---------------|---------|--------------------|-------------------|---------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | good | good | good | good | good |

ORGANISATIONAL/MANAGERIAL SKILLS

He is author of **55** scientific publications on international journals and of numerous communications at national and international congresses. This activity was developed as part of national projects (MURST and COFIN).

The research activity has been focused on the study of natural substances and on the environmental study by the following research lines:

- Environmental studies of the effects of heavy metals on mountain streams.
- Isolation and structural determination of natural products by Nuclear Magnetic Resonance spectroscopy (NMR).
- Studies on the mechanisms of interaction between DNA and natural compounds with potential biological activity by NMR.
- 3D Structure of oligopeptides and study of reactivity of metal proteins by NMR.
- Re-use of phosphorus-based fertilizers from animal manure to prevent water eutrophication.
- Speciation of the phosphorus by NMR after anaerobic digestion.
- Role of biofilm in the conservation of cultural heritage. Study of water absorption in rock materials.

COMPUTER SKILLS

| SELF-EVALUATION | | | | |
|------------------------|---------------|----------------------|-----------|-----------------|
| Information processing | Communication | Creation of contents | Security | Troubleshooting |
| good | good | excellent | excellent | excellent |
| | | | | |

ADDITIONAL INFORMATION

REPRESENTATIVE PUBLICATIONS

- Mancuso, G., Borgonovo, G., Scaglioni, L., Bassoli, A.
Phytochemicals from *Ruta graveolens* activate TAS2R bitter taste receptors and TRP channels involved in gustation and nociception
Molecules, 2015, 20(10), pp. 18907-18922
- Scaglioni, L., Mondelli, R., Artali, R., Sirtori, F.R., Mazzini, S.
Nemorubicin and doxorubicin bind the G-quadruplex sequences of the human telomeres and of the c-MYC promoter element Pu22
Biochimica et Biophysica Acta - General Subjects, 2016, 1860(6), pp. 1129-1138
- R.D. Kaduskar, A. Pinto, L. Scaglioni, L. Musso, S. Dallavalle.
Synthesis of the Tripeptide Antibiotic Resormycin
Synthesis. - ISSN 0039-7881. - 49:24 (2017), pp. 5351-5356
- M. Misiak, M. Heldt, M. Szeligowska, S. Mazzini, L. Scaglioni, G.J. Grabe, M. Serocki, J. Lica, M. Switalska, J. Wietrzyk, G.L. Beretta, P. Perego, D. Zietkowski, M. Baginski, E. Borowski, A. Skladanowski.
Molecular basis for the DNA damage induction and anticancer activity of asymmetrically substituted anthrapyridazone PDZ-7
Oncotarget. - ISSN 1949-2553. - 8:62 (2017 Dec 01), pp. 105137-105154.
- L. Musso, S. Mazzini, A. Rossini, L. Castagnoli, L. Scaglioni, R. Artali, M. Di Nicola, F. Zunino, S. Dallavalle.
c-MYC G-quadruplex binding by the RNA polymerase I inhibitor BMH-21 and analogues revealed by a combined NMR and biochemical Approach
Biochimica et Biophysica Acta - General Subjects, - ISSN 0304-4165. - 1862:3 (2018), pp. 615-629.

Projects
2018

Participation to National Projects

CARIPO 2017 Project "Erisimo a Milano" (PI: Prof.ssa A. Bassoli). Natural compounds from Erisimo.

2014-2016

Regione Lombardia. PHA-STAR - Development of new products for the design sector from sustainable bioplastics. (BANDO SMART FASHION AND DESIGN) (P.I. F. Adani) P.I. Prof.ssa F. Tambone).

2015-2017

CARIPO Project, title: "Renewable P-fertilizer from livestock effluent to prevent water eutrophication". POWER (rif. 2014-1276) Dipartimento Scienze Agrarie ed Ambientali.(PI: Prof.ssa F. Tambone).

2016-2017

Participation to International Projects

Horizon 2020 H2020-IND-CE-2016-17 Proposal number: 730400-2-Systemic large scale eco-innovation to advance circular economy and mineral recovery from organic waste in Europe (SYSTEMIC) (ref. UNIMI. Prof. F. Adani)

Principal collaborations:

- Istituto Nazionale per lo Studio e la Cura dei Tumori, Milan (Dr. P. Perego)
- Dipartimento di Chimica, Materiali e Ingegneria Chimica "G. Natta", Politecnico di Milano (Prof. A. Volonterio)
- Dipartimento di Scienze Agrarie e Ambientali, Università degli Studi di Milano (Prof.ssa F. Tambone).
- Dipartimento di Scienze per gli Alimenti, la Nutrizione e l'Ambiente (Dr.ssa F. Villa).
- CNR-IRSA Istituto di Ricerca sulle Acque (Dr.ssa N. Guerrieri).

2002:

Teaching activities

Course in: Organic Chemistry, Laboratory of Environmental Chemistry.

Personal information

I authorize the handling of personal information in this curriculum, according to D.Lgs n. 196/03 and following modifications and Regulations EU 679/2016 (General Regulations concerning Data Protection or GRDP) and art. 7 of University Regulations concerning protection of personal information.

I authorize, according to D.lgs 14/03/2013 n. 33 concerning transparency, in case of conferment of the position and of the fellowship, the publication of this curriculum in the web site of Università degli Studi di Milano in the section "Amministrazione trasparente", "Consulenti e collaboratori".

Date 08/01/2019

Signature
Leonardo Scaglioni