Europass Curriculum Vitae

Personal information

First name/ Surname	**Pietro MATRICARDI**
Address	Department of Drug Chemistry and Technologies, Sapienza University of Rome. Piazzale Aldo Moro 5, 00185, Rome, Italy
Telephone	+39.064991.3226
Fax	+39.064991.3133
E-mail	pietro.matricardi@uniroma1.it
Nationality	Italian
Gender	Male
Webpage	https://sites.google.com/a/uniroma1.it/pietromatricardi/home

Occupational field

2004 – At present	Associate Professor - Sapienza University of Rome, Italy
1994 – 2004	Professional - Italian Public Company for the Workers Compensation (INAIL) - Rome, Italy
1993 – 1994	Analytical development chemist – Lepetit, Anagni, Fr, Italy
Occupation	Associate Professor, Sapienza University of Rome
Main activities and responsibilities	Teaching: polymers, pharmaceutical technology Research: polysaccharide matrices for drug delivery and tissue engineering Master degree students and PhD students supervisor
Name and address of employer	Sapienza University of Rome, P.le Aldo Moro 5, 00185, Rome, Italy
Scientific Sector	Pharmaceutical Technology and Law

Education and training

Dates	1990 - 1993 PhD, University of Rome "La Sapienza", Rome, Italy 1989 Master degree (Laurea) in Chemistry *cum laude,* University of Rome "La Sapienza", Rome, Italy
Personal skills and competences	Polymer science, hydrogels, polysaccharides, drug delivery systems and tissue engineering: preparation, characterization, applications.
Mother tongue	Italian

Other languages

Self-assessment	Understanding		Speaking		Writing
European level (*)	Listening	Reading	Spoken interaction	Spoken production	
ENGLISH	B2	B2	B2	B2	B2
FRENCH	A2	A2	A1	A1	A1

(*) Common European Framework of Reference for Languages

Additional information

EDUCATION

1989. Degree in Chemistry *(Laurea) (110/110 cum laude)*
Dissertation on "Physico-chemical characterization of pectins", University of Rome "La Sapienza" (Supervisors: prof. Vittorio Crescenzi and prof. Mariella Dentini).

1990-1993. PhD in Chemistry
Dissertation on "Polygalacturonic acid and esters derivatives: physico-chemical characterization of dilute aqueous solutions and hydrogels", University of Rome "La Sapienza" (Supervisor prof. Vittorio Crescenzi). Part of the research was carried out at the University of Trieste. Collaborations with Polybiòs Laboratories (Trieste), Fidia Spa, (Abano Terme - Padova) and with prof. S.B. Ross-Murphy, King's College, London.

PROFESSIONAL

1993 – 1994. LEPETIT, Anagni (FR)
Analytical development chemist. Development and validation of new analytical methods in the field of pharmaceutical formulations. Standard Operative Procedures elaboration. Participation to inter-laboratory validation programs. Member of the team for the critical point analysis in the production processes.

1994 - 2006. INAIL
Professional Chemist - Italian Insurance Public Company for the Workers Compensation (INAIL). Chemical risk analysis of workplaces. Industrial hygiene. Teaching to employees and employers on the chemical risk, risk assessment and risk management.

2004 – at present. SAPIENZA University of Rome
Physico-chemical characterization of polysaccharide matrices in aqueous solutions and in the hydrogel phase. Interpenetrating Polymer Networks (IPNs).
Development of drug delivery systems based on polysaccharide hydrogels.
Nanoparticulate systems based on polysaccharides for drug and protein delivery.
Teaching: "Pharmaceutical Technology", "Macromolecules of pharmaceutical interest", "Safety in the laboratory", Faculty of "Farmacy and Medicine".

MEMBERSHIPS

- C.R.S. (Controlled Release Society) Italy Chapter. President
- Society for Biohydrogels (member of the Board)
- S.I.R. (Associazione Italiana di Reologia, Italian Rheology Society)
- A.D.R.I.T.E.L.F. (Associazione Docenti e Ricercatori Italiani di Tecnologia e Legislazione Farmaceutiche)

Annexes

Representative Scientific Publications (5 in the last 5 years)	Maria Manconi, Maria Letizia Manca, Carla Caddeo, Donatella Valenti, Claudia Cencetti, Octavio Diez-Sales, Amparo Nacher, Silvia Mir-Palomo, Maria Carmen Terencio, Davide Demurtas, Juan Carmelo Gomez-Fernandez, Francisco José Aranda, Anna Maria Fadda, Pietro Matricardi "Nanodesign of new self-assembling core-shell gellan-transfersomes loading baicalin and in vivo evaluation of repair response in skin" *Nanomedicine: Nanotechnology, Biology, and Medicine*, (2018), 14 (2), 569-579, DOI: 10.1016/j.nano.2017.12.001 Elita Montanari, Angela Oates, Chiara Di Meo, Josephine Meade, Rugiada Cerrone, Antonio Francioso, Deirdre Devine, Tommasina Coviello, Patrizia Mancini, Luciana Mosca and Pietro Matricardi "Hyaluronan-Based Nanohydrogels for Targeting Intracellular S. aureus in Human Keratinocytes" *Advanced Healthcare Materials*, (2018), 1701483. DOI: 10.1002/adhm.201701483 Davide Bellini, Claudia Cencetti, Anna Cristina Sacchetta, Angela Maria Battista, Andrea Martinelli, Laura Mazzucco, Anna Scotto D'Abusco, Pietro Matricardi "PLA-grafting of collagen chains leading to a biomaterial with mechanical performances useful in tendon regeneration" *Journal of the Mechanical Behavior of Biomedical Materials*, (2016), 64, 151-160. DOI: 10.1016/j.jmbbm.2016.07.006 Davide Bellini, Claudia Cencetti, Joachim Meraner, Daniela Stoppoloni, Anna Scotto D'Abusco, Pietro Matricardi "An in situ gelling system for bone regeneration of osteochondral defects" *European Polymer Journal*, (2015), pp. 642-650, DOI: 10.1016/j.eurpolymj.2015.02.043
Representative patents and textbooks	Matricardi Pietro, Di Meo Chiara, De Marco Franco, Ciolfi Lucio. *Device for the application of cold*. EP2468222 De Rugeriis Maria Cristina, Montanari Elita, Di Meo Chiara, Matricardi Pietro (2013) *Method for preparing nanohydrogels*, WO2014/199318 Pietro Matricardi, Cencetti Claudia (2014) *Kit to create gelled structure inside the human or animal body for medical purposes,* EP2907530 Pietro Matricardi, Franco Alhaique, Tommasina Coviello, Edts Polysaccharide Hydrogels: Characterization and Biomedical Applications 2015, Pan Stanford Publishing Pte Ltd (Verlag), ISBN 978-981-4613-61-3