# Europass Curriculum Vitae

## Personal information


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| First name(s) / Surname(s) | **Chiara Di Meo** |
| Address(es) | Department of Drug Chemistry and Technologies, “Sapienza” University of Rome, P.le Aldo Moro 5, 00185 Rome, Italy |
| Telephone(s) | +3906649913961/3300 Mobile: |
| E-mail | chiara.dimeo@uniroma1.it |
| Nationality | Italian |
| Date of birth | Xxxxx xx, xxxx |
| Gender | female |


## Occupational field

Pharmaceutical Technology

## Work experience

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|---|---|
| Dates | December 29, 2018 – *actual position* |
| Occupation or position held | Associate Professor ssd: CHIM/09 |
| Main activities and responsibilities | Synthesis and physico-chemical characterization of polysaccharide-based nanohydrogels suitable as advanced drug delivery systems |
| Name and address of employer | Department of Drug Chemistry and Technologies, Faculty of Pharmacy and Medicine, “Sapienza” University of Rome |
| Sector | Academic, Pharmaceutics |

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|---|---|
| Dates | December 30, 2015 – December 29, 2018 |
| Occupation or position held | Fixed-term researcher (RTD-B, L. 240/2010) ssd: CHIM/09 |
| Main activities and responsibilities | Synthesis and physico-chemical characterization of polysaccharide-based nanohydrogels suitable as advanced drug delivery systems |
| Name and address of employer | Department of Drug Chemistry and Technologies, Faculty of Pharmacy and Medicine, “Sapienza” University of Rome |
| Sector | Academic, Pharmaceutics |

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|---|---|
| Dates | October 1, 2014 – December 28, 2015 |
| Occupation or position held | Post-doc fellow |
| Main activities and responsibilities | Synthesis and physico-chemical characterization of innovative polysaccharide derivatives for the development of bulk hydrogels and nanohydrogels suitable as advanced drug delivery systems |
| Name and address of employer | Department of Drug Chemistry and Technologies, Faculty of Pharmacy and Medicine, “Sapienza” University of Rome |
| Sector | Academic, Pharmaceutics |

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|---|---|
| Dates | October 1, 2011 – September 30, 2014 |

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|---|---|
| Name and address of employer | Fixed-term researcher (RTD-Moratti, L. 230/2005) ssd: CHIM/09 |
| Sector | Synthesis and physico-chemical characterization of innovative polysaccharide derivatives for the development of bulk hydrogels and nanohydrogels suitable as advanced drug delivery systems |
| Name and address of employer | Department of Drug Chemistry and Technologies, Faculty of Pharmacy and Medicine, "Sapienza" University of Rome |
| Sector | Academic, Pharmaceutics |
| Dates | April 1, 2009 – March 30, 2010 |
| Occupation or position held | Post-doc fellow |
| Main activities and responsibilities | Development and physico-chemical characterization of nanoparticles based on squalene-benzylpenicllin derivatives and evaluation of their biological activity in the treatment of intracellular bacterial infections. |
| Name and address of employer | UMR CNRS 8612 (Physico-Chimie - Pharmacotechnie – Biopharmacie) laboratory, Faculty of Pharmacy, University of Paris-Sud XI |
| Sector | Academic, Pharmaceutics |
| Dates | July 1, 2007 – June 30, 2010 |
| Occupation or position held | Post-doc fellow |
| Main activities and responsibilities | Polysaccharide derivatization and physico-chemical characterization for the development of advanced devices suitable for drug delivery (hydrogels, microspheres, nanohydrogels) |
| Name and address of employer | Department of Drug Chemistry and Technologies, Faculty of Pharmacy and Medicine, "Sapienza" University of Rome |
| Sector | Academic, Pharmaceutics |
| Dates | January 7, 2006 – June 30, 2007 |
| Occupation or position held | External Collaborator for Fidia Farmaceutici SpA at the Dept. of Chemistry, "Sapienza" University |
| Main activities and responsibilities | Development and characterization of new hyaluronan derivatives for drug targeting in anticancer therapies |
| Name and address of employer | Fidia Farmaceutici SpA, Abano Terme (PD), Italy and Department of Chemistry, "Sapienza" University of Rome |
| Sector | R&D, Academic |

## Education and training

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| Dates | March 8, 2007 |
| Title of qualification awarded | Ph.D. in Industrial Chemical Processes |
| Name and type of organisation providing education and training | Department of Chemistry, "Sapienza" University of Rome |
| Dates | December 19, 2002 |
| Title of qualification awarded | Degree in Industrial Chemistry (110/110 cum laude) |
| Name and type of organisation providing education and training | Department of Chemistry, "Sapienza" University of Rome |

## Personal skills and competences

- Synthesis and physico-chemical characterization of polysaccharide hydrogels for their use as "drug delivery systems" (DDS) and as scaffolds for tissue engineering
- Development of hydrophobic derivatives of polysaccharides as matrices for self-assembling nanogels
- Synthesis and physico-chemical characterization of polymeric prodrugs

Mother tongue(s) **Italian**

Other language(s)

| Self-assessment | Understanding | | Speaking | | Writing |
|---|---|---|---|---|---|
| *European level (*)* | Listening | Reading | Spoken interaction | Spoken production | |
| **English** | B2 | C1 | B2 | B2 | B2 |
| **French** | C1 | C1 | B2 | B2 | B2 |

*(*) Common European Framework of Reference for Languages*

## Scientific Publications

1. Di Matteo S., Di Meo C., Carpino G., Zoratto N., Cardinale V., Nevi L., Overi D., Costantini D., Pinto C., Montanari E., Marzioni M., Maroni L., Benedetti A., Viola M., Coviello T., Matricardi P., Gaudio E., Alvaro D.
   Therapeutic effects of dexamethasone-loaded hyaluronan nanogels in the experimental cholestasis
   (2022) Drug Delivery and Translational Research, *In press* IF = 4.617 (2020)

2. Coviello T., Alhaique F., Di Meo C., Matricardi P., Montanari E., Zoratto N., Grassi M., Abrami M.
   Scleroglucan and guar gum: The synergistic effects of a new polysaccharide system
   (2022) Express Polymer Letters 16, pp. 410 - 426
   DOI: 10.3144/expresspolymlett.2022.30 IF = 4.161 (2020)

3. Zoratto N., Forcina L., Matassa R., Mosca L., Familiari G., Musarò A., Mattei M., Coviello T., Di Meo C., Matricardi P.
   Hyaluronan-cholesterol nanogels for the enhancement of the ocular delivery of therapeutics
   (2021) Pharmaceutics, 13, art. N. 1781
   DOI: 10.3390/pharmaceutics13111781 IF = 6.321 (2020)

4. Zoratto N., Montanari E., Viola M., Wang J., Coviello T., Di Meo C., Matricardi P.
   Strategies to load therapeutics into polysaccharide-based nanogels with a focus on microfluidics: A review
   (2021) Carbohydrate Polymers, 26615, art. N. 118119
   DOI: 10.1016/j.carbpol.2021.118119 IF = 9.381 (2020)

5. Hanieh P.N., Forte J., Di Meo C., Ammendolia M.G., Del Favero E., Cantù L., Rinaldi F., Marianecci C., Carafa, M.
   Hyaluronic acid derivative effect on niosomal coating and interaction with cellular mimetic membranes
   (2021) Molecules, 26, art. N. 3434
   DOI: 10.3390/molecules26113434 IF = 4.412 (2020)

6. Di Meo C., Coviello T., Matricardi P., Lamanna R.
   Anomalous enhanced water diffusion in polysaccharide interpenetrating hydrogels
   (2021) Colloids and Surfaces A: Physicochemical and Engineering Aspects, 61320, art. N. 125892
   DOI: 10.1016/j.colsurfa.2020.125892 IF = 4.539 (2020)

7. Montanari E., Mancini P., Galli F., Varani M., Santino I., Coviello T., Mosca L., Matricardi P., Rancan F, Di Meo C.
   Biodistribution and intracellular localization of hyaluronan and its nanogels. A strategy to target intracellular S. aureus in persistent skin infections
   (2020) Journal of Controlled Release, 326, pp. 1 – 12
   DOI: 10.1016/j.jconrel.2020.06.007 IF = 9.776

8. Zoratto N., Matassa R., Montanari E., Familiari G., Petralito S., Coviello T., Di Meo C., Matricardi P.
   Glycerol as a green solvent for enhancing the formulation of dextran methacrylate and gellan-based semi-interpenetrating polymer networks
   (2020) Journal of Materials Science, 55, pp. 9562 – 9577
   DOI: 10.1007/s10853-020-04732-1 IF = 4.220

9. Gallelli G., Cione E., Serra R., Leo A., Citraro R., Matricardi P., Di Meo C., Bisceglia F., Caroleo M.C., Basile S., Gallelli L.
   Nano-hydrogel embedded with quercetin and oleic acid as a new formulation in the treatment of diabetic foot ulcer: A pilot study
   (2020) International Wound Journal, 17, pp. 485 – 490
   DOI: 10.1111/iwj.13299 IF = 3.315

10. Montanari E., Di Meo C., Coviello T., Gueguen V., Pavon-Djavid G., Matricardi P.
    Intracellular delivery of natural antioxidants via hyaluronan nanohydrogels
    (2019) Pharmaceutics, 11, Issue 10, art. N. 532

DOI: 10.3390/pharmaceutics11100532 IF = 4.421

11. Montanari E., Zoratto N., Mosca L., Cervoni L., Lallana E., Angelini R., Matassa R., Coviello T., Di Meo C., Matricardi P.
Halting hyaluronidase activity with hyaluronan-based nanohydrogels: development of versatile injectable formulations
(2019) Carbohydrate Polymers, 221, pp. 209 - 220
DOI: 10.1016/j.carbpol.2019.06.004 IF = 7.182

12. Costanzo M., Vurro F., Cisterna B., Boschi F., Marengo A., Montanari E., Di Meo C.,,Matricardi P.,Berlier G., Stella B., Arpicco S., Malatesta M.
Uptake and intracellular fate of biocompatible nanocarriers in cycling and noncycling cells
(2019) Nanomedicine, 14, pp.301-316
DOI: 10.2217/nnm-2018-0148 IF = 4.300

13. Di Turo, F., Matricardi, P., Di Meo, C., Mazzei, F., Favero, G., Zane, D.
PVA hydrogel as polymer electrolyte for electrochemical impedance analysis on archaeological metals
(2019) Journal of Cultural Heritage, 37, pp. 113-120
DOI: 10.1016/j.culher.2018.09.017 IF = 2.553

14. Di Meo, C., Martínez-Martínez, M., Coviello, T., Bermejo, M., Merino, V., Gonzalez-Alvarez, I., Gonzalez-Alvarez, M., Matricardi, P.
Long-circulating hyaluronan-based nanohydrogels as carriers of hydrophobic drugs
(2018) Pharmaceutics, 10 (4), art. no. 213
DOI: 10.3390/pharmaceutics10040213 IF = 4.773

15. Montanari, E., Oates, A., Di Meo, C., Meade, J., Cerrone, R., Francioso, A., Devine, D., Coviello, T., Mancini, P., Mosca, L., Matricardi, P.
Hyaluronan-Based Nanohydrogels for Targeting Intracellular S. Aureus in Human Keratinocytes
(2018) Advanced Healthcare Materials, 7 (12), art. no. 1701483,
DOI: 10.1002/adhm.201701483 IF = 6.270

16. Manconi, M., Manca, M.L., Caddeo, C., Cencetti, C., di Meo, C., Zoratto, N., Nacher, A., Fadda, A.M., Matricardi, P.
Preparation of gellan-cholesterol nanohydrogels embedding baicalin and evaluation of their wound healing activity
(2018) European Journal of Pharmaceutics and Biopharmaceutics, 127, pp. 244-249.
DOI: 10.1016/j.ejpb.2018.02.015 IF = 4.708

17. Musazzi, U.M., Cencetti, C., Franzé, S., Zoratto, N., Di Meo, C., Procacci, P., Matricardi, P., Cilurzo, F.
Gellan Nanohydrogels: Novel Nanodelivery Systems for Cutaneous Administration of Piroxicam
(2018) Molecular Pharmaceutics, 15 (3), pp. 1028-1036.
DOI: 10.1021/acs.molpharmaceut.7b00926 IF = 4.396

18. Montanari, E., Di Meo, C., Oates, A., Coviello, T., Matricardi, P.
Pursuing intracellular pathogens with hyaluronan. From a 'pro-infection' polymer to a biomaterial for 'trojan horse' systems
(2018) Molecules, 23 (4), art. no. 939.
DOI: 10.3390/molecules23040939 IF = 3.060

19. Zuluaga, M., Gregnanin, G., Cencetti, C., Di Meo, C., Gueguen, V., Letourneur, D., Meddahi-Pellé, A., Pavon-Djavid, G., Matricardi, P.
PVA/Dextran hydrogel patches as delivery system of antioxidant astaxanthin: A cardiovascular approach
(2018) Biomedical Materials (Bristol), 13 (1), art. no. 015020.
DOI: 10.1088/1748-605X/aa8a86 IF = 3.440

20. Manzi, G., Zoratto, N., Matano, S., Sabia, R., Villani, C., Coviello, T., Matricardi, P., Di Meo, C.
"Click" hyaluronan based nanohydrogels as multifunctionalizable carriers for hydrophobic drugs
(2017) Carbohydrate Polymers, 174, pp. 706-715.
DOI: 10.1016/j.carbpol.2017.07.003 IF = 5.158

21. Montanari, E., Di Meo, C., Sennato, S., Francioso, A., Marinelli, A.L., Ranzo, F., Schippa, S., Coviello, T., Bordi, F., Matricardi, P.
Hyaluronan-cholesterol nanohydrogels: Characterisation and effectiveness in carrying alginate lyase
(2017) New Biotechnology, 37, pp. 80-89.
DOI: 10.1016/j.nbt.2016.08.004 IF = 3.199

22. Zoratto N., Palmieri F.R., Cencetti C., Montanari E., Di Meo C., Manca M., Manconi M., Matricardi P.
Design of hybrid gels based on gellan-cholesterol derivative and P90G liposomes for drug depot applications

(2017) Gels, 3, art. N. 18
DOI: 10.3390/gels3020018 IF = 4.712 (2020)

23. Mazzuca, C., Bocchinfuso, G., Palleschi, A., Conflitti, P., Grassi, M., Di Meo, C., Alhaique, F., Coviello, T.
The influence of ph on the scleroglucan and scleroglucan/borax systems
(2017) Molecules, 22 (3), art. no. 435.
DOI: 10.3390/molecules22030435 IF = 3.098

24. Alhaique, F., Casadei, M.A., Cencetti, C., Coviello, T., Di Meo, C., Matricardi, P., Montanari, E., Pacelli, S., Paolicelli, P.
From macro to nano polysaccharide hydrogels: An opportunity for the delivery of drugs
(2016) Journal of Drug Delivery Science and Technology, 32, pp. 88-99.
DOI: 10.1016/j.jddst.2015.09.018 IF = 0.620

25. Di Meo, C., Proietti, N., Mannina, L., Capitani, D.
NMR methodologies in the study of polysaccharides
(2016) Polysaccharide Hydrogels: Characterization and Biomedical Applications, pp. 209-243.
DOI: 10.4032/9789814613620

26. Coviello, T., Margheritelli, S., Matricardi, P., Di Meo, C., Cerreto, F., Alhaique, F., Abrami, M., Grassi, M.
Influence of borate amount on the swelling and rheological properties of the Scleroglucan/borax system
(2016) Journal of Applied Polymer Science, 133 (3), art. no. 42860.
DOI: 10.1002/app.42860 IF = 1.866

27. Alhaique, F., Matricardi, P., Di Meo, C., Coviello, T., Montanari, E.
Polysaccharide-based self-assembling nanohydrogels: An overview on 25-years research on pullulan
(2015) Journal of Drug Delivery Science and Technology, 30, pp. 300-309.
DOI: 10.1016/j.jddst.2015.06.005 IF = 0.620

28. Di Meo, C., Cilurzo, F., Licciardi, M., Scialabba, C., Sabia, R., Paolino, D., Capitani, D., Fresta, M., Giammona, G., Villani, C., Matricardi, P.
Polyaspartamide-Doxorubicin Conjugate as Potential Prodrug for Anticancer Therapy
(2015) Pharmaceutical Research, 32 (5), pp. 1557-1569.
DOI: 10.1007/s11095-014-1557-2 IF = 3.260

29. Di Meo, C., Montanari, E., Manzi, L., Villani, C., Coviello, T., Matricardi, P.
Highly versatile nanohydrogel platform based on riboflavin-polysaccharide derivatives useful in the development of intrinsically fluorescent and cytocompatible drug carriers
(2015) Carbohydrate Polymers, 115, pp. 502-509.
DOI: 10.1016/j.carbpol.2014.08.107 IF = 4.219

30. Montanari, E., De Rugeriis, M.C., Di Meo, C., Censi, R., Coviello, T., Alhaique, F., Matricardi, P.
One-step formation and sterilization of gellan and hyaluronan nanohydrogels using autoclave
(2015) Journal of Materials Science: Materials in Medicine, 26 (1), pp. 1-6.
DOI: 10.1007/s10856-014-5362-6 IF = 2.272

31. Coviello, T., Trotta, A.M., Marianecci, C., Carafa, M., Di Marzio, L., Rinaldi, F., Di Meo, C., Alhaique, F., Matricardi, P.
Gel-embedded niosomes: Preparation, characterization and release studies of a new system for topical drug delivery
(2015) Colloids and Surfaces B: Biointerfaces, 125, pp. 291-299.
DOI:10.1016/j.colsurfb.2014.10.060 IF = 3.902

32. D'Arrigo, G., Navarro, G., Di Meo, C., Matricardi, P., Torchilin, V.
Gellan gum nanohydrogel containing anti-inflammatory and anti-cancer drugs: A multi-drug delivery system for a combination therapy in cancer treatment
(2014) European Journal of Pharmaceutics and Biopharmaceutics, 87 (1), pp. 208-216.
DOI: 10.1016/j.ejpb.2013.11.001 IF = 3.850

33. Montanari, E., D'Arrigo, G., Di Meo, C., Virga, A., Coviello, T., Passariello, C., Matricardi, P.
Chasing bacteria within the cells using levofloxacin-loaded hyaluronic acid nanohydrogels
(2014) European Journal of Pharmaceutics and Biopharmaceutics, 87 (3), pp. 518-523.
DOI: 10.1016/j.ejpb.2014.03.003 IF = 3.850

34. Ansari, S.A., Matricardi, P., Cencetti, C., Di Meo, C., Carafa, M., Mazzuca, C., Palleschi, A., Capitani, D., Alhaique, F., Coviello, T.

Sonication-based improvement of the physicochemical properties of guar gum as a potential substrate for modified drug delivery systems
(2013) BioMed Research International, 2013, art. no. 985259.
DOI: 10.1155/2013/985259 IF = 1.579

35. Montanari, E., Capece, S., Di Meo, C., Meringolo, M., Coviello, T., Agostinelli, E., Matricardi, P.
Hyaluronic acid nanohydrogels as a useful tool for BSAO immobilization in the treatment of melanoma cancer cells
(2013) Macromolecular Bioscience, 13 (9), pp. 1185-1194.
DOI: 10.1002/mabi.201300114 IF = 3.650

36. Matricardi, P., Di Meo, C., Coviello, T., Hennink, W.E., Alhaique, F.
Interpenetrating polymer networks polysaccharide hydrogels for drug delivery and tissue engineering
(2013) Advanced Drug Delivery Reviews, 65 (9), pp. 1172-1187.
DOI: 10.1016/j.addr.2013.04.002 IF = 12.707

37. D'Arrigo, G., Di Meo, C., Gaucci, E., Chichiarelli, S., Coviello, T., Capitani, D., Alhaique, F., Matricardi, P.
Self-assembled gellan-based nanohydrogels as a tool for prednisolone delivery
(2012) Soft Matter, 8 (45), pp. 11557-11564.
DOI: 10.1039/c2sm26178b IF = 3.909

38. D'Arrigo, G., Di Meo, C., Geissler, E., Coviello, T., Alhaique, F., Matricardi, P.
Hyaluronic acid methacrylate derivatives and calcium alginate interpenetrated hydrogel networks for biomedical applications: Physico-chemical characterization and protein release
(2012) Colloid and Polymer Science, 290 (15), pp. 1575-1582.
DOI: 10.1007/s00396-012-2735-6 IF = 2.161

39. D'Arrigo, G., Di Meo, C., Pescosolido, L., Coviello, T., Alhaique, F., Matricardi, P.
Calcium alginate/dextran methacrylate IPN beads as protecting carriers for protein delivery
(2012) Journal of Materials Science: Materials in Medicine, 23 (7), pp. 1715-1722.
DOI: 10.1007/s10856-012-4644-0 IF = 2.141

40. Sémiramoth, N., Di Meo, C., Zouhiri, F., Saïd-Hassane, F., Valetti, S., Gorges, R., Nicolas, V., Poupaert, J.H., Chollet-Martin, S., Desmaële, D., Gref, R., Couvreur, P.
Self-assembled squalenoylated penicillin bioconjugates: An original approach for the treatment of intracellular infections
(2012) ACS Nano, 6 (5), pp. 3820-3831.
DOI: 10.1021/nn204928v IF = 12.162

41. Ansari, S.A., Matricardi, P., Di Meo, C., Alhaique, F., Coviello, T.
Evaluation of rheological properties and swelling behaviour of sonicated scleroglucan samples
(2012) Molecules, 17 (3), pp. 2283-2297.
DOI: 10.3390/molecules17032283 IF = 2.428

42. Ruiz-Caro, R., Veiga, M.D., Di Meo, C., Cencetti, C., Coviello, T., Matricardi, P., Alhaique, F.
Mechanical and drug delivery properties of a chitosan-tartaric acid hydrogel suitable for biomedical applications
(2012) Journal of Applied Polymer Science, 123 (2), pp. 842-849.
DOI: 10.1002/app.34513 IF = 1.395

43. Matricardi, P., Pitarresi, G., Palumbo, F.S., Di Meo, C., Albanese, A., Coviello, T., Cencetti, C., Fiorica, C., Giammona, G.
Mechanical characterization of polysaccharide/polyaminoacid hydrogels as potential scaffolds for tissue regeneration
(2011) Macromolecular Research, 19 (12), pp. 1264-1271.
DOI: 10.1007/s13233-011-1208-y IF = 1.153

44. Marianecci, C., Carafa, M., di Marzio, L., Rinaldi, F., di Meo, C., Alhaique, F., Matricardi, P., Coviello, T.
A new vesicle-loaded hydrogel system suitable for topical applications: Preparation and characterization
(2011) Journal of Pharmacy and Pharmaceutical Sciences, 14 (3), pp. 336-346. IF = 1.646

45. Reverberi, M., Zjalic, S., Ricelli, A., Di Meo, C., Scarpari, M., Fanelli, C., Fabbri, A.A.
Mushrooms versus fungi: Natural compounds from Lentinula edodes inhibit aflatoxin biosynthesis by Aspergillus parasiticus
(2011) World Mycotoxin Journal, 4 (3), pp. 217-224.
DOI: 10.3920/WMJ2010.1270 IF = 1.452

46. Di Meo, C., Coviello, T., Matricardi, P., Alhaique, F., Capitani, D., Lamanna, R.
Anisotropic enhanced water diffusion in scleroglucan gel tablets

(2011) Soft Matter, 7 (13), pp. 6068-6075.
DOI: 10.1039/c1sm05190c IF = 4.390

47. Sandolo, C., Bulone, D., Mangione, M.R., Margheritelli, S., Di Meo, C., Alhaique, F., Matricardi, P., Coviello, T.
Synergistic interaction of Locust Bean Gum and Xanthan investigated by rheology and light scattering
(2010) Carbohydrate Polymers, 82 (3), pp. 733-741.
DOI: 10.1016/j.carbpol.2010.05.044 IF = 3.463

48. Pescosolido, L., Miatto, S., Di Meo, C., Cencetti, C., Coviello, T., Alhaique, F., Matricardi, P.
Injectable and in situ gelling hydrogels for modified protein release
(2010) European Biophysics Journal, 39 (6), pp. 903-909.
DOI: 10.1007/s00249-009-0440-2 IF = 2.387

49. Oddo, L., Masci, G., Di Meo, C., Capitani, D., Mannina, L., Lamanna, R., De Santis, S., Alhaique, F., Coviello, T., Matricardi, P.
Novel thermosensitive calcium alginate microspheres: Physico-chemical characterization and delivery properties
(2010) Acta Biomaterialia, 6 (9), pp. 3657-3664.
DOI: 10.1016/j.actbio.2010.03.013 IF = 4.824

50. Grassi, M., Lapasin, R., Coviello, T., Matricardi, P., Di Meo, C., Alhaique, F.
Scleroglucan/borax/drug hydrogels: Structure characterisation by means of rheological and diffusion experiments
(2009) Carbohydrate Polymers, 78 (3), pp. 377-383.
DOI: 10.1016/j.carbpol.2009.04.025 IF = 3.167

51. Testa, G., Di Meo, C., Nardecchia, S., Capitani, D., Mannina, L., Lamanna, R., Barbetta, A., Dentini, M.
Influence of dialkyne structure on the properties of new click-gels based on hyaluronic acid
(2009) International Journal of Pharmaceutics, 378 (1-2), pp. 86-92.
DOI: 10.1016/j.ijpharm.2009.05.051 IF = 2.962

52. Di Meo, C., Panza, L., Campo, F., Capitani, D., Mannina, L., Banzato, A., Rondina, M., Rosato, A., Crescenzi, V.
Novel types of carborane-carrier hyaluronan derivatives via "click chemistry"
(2008) Macromolecular Bioscience, 8 (7), pp. 670-681.
DOI: 10.1002/mabi.200700304 IF = 3.298

53. Matricardi, P., Di Meo, C., Coviello, T., Alhaique, F.
Recent advances and perspectives on coated alginate microspheres for modified drug delivery
(2008) Expert Opinion on Drug Delivery, 5 (4), pp. 417-425.
DOI: 10.1517/17425247.5.4.417 IF = 3.345

54. Crescenzi, V., Cornelio, L., Di Meo, C., Nardecchia, S., Lamanna, R.
Novel hydrogels via click chemistry: Synthesis and potential biomedical applications
(2007) Biomacromolecules, 8 (6), pp. 1844-1850.
DOI: 10.1021/bm0700800 IF = 4.169

55. Di Meo, C., Panza, L., Capitani, D., Mannina, L., Banzato, A., Rondina, M., Renier, D., Rosato, A., Crescenzi, V.
Hyaluronan as carrier of carboranes for tumor targeting in boron neutron capture therapy
(2007) Biomacromolecules, 8 (2), pp. 552-559.
DOI: 10.1021/bm0607426 IF = 4.169

56. Di Meo, C., Capitani, D., Mannina, L., Brancaleoni, E., Galesso, D., De Luca, G., Crescenzi, V.
Synthesis and NMR characterization of new hyaluronan-based NO donors
(2006) Biomacromolecules, 7 (4), pp. 1253-1260.
DOI: 10.1021/bm050904i IF = 3.664

57. Pizzichini, M., Russo, C., Di Meo, C.D.
Purification of pulp and paper wastewater, with membrane technology, for water reuse in a closed loop
(2005) Desalination, 178 (1-3 SPEC. ISS.), pp. 351-359.
DOI: 10.1016/j.desal.2004.11.045 IF = 0.955

58. Maly, J., Di Meo, C., De Francesco, M., Masci, A., Masojidek, J., Sugiura, M., Volpe, A., Pilloton, R.
Reversible immobilization of engineered molecules by Ni-NTA chelators
(2004) Bioelectrochemistry, 63 (1-2), pp. 271-275.
DOI: 10.1016/j.bioelechem.2003.10.024 IF = 2.261

## Patents:

- WO2008031525, 2008-03-20
  V. Crescenzi, C. Di Meo, D. Galesso
HYALURONIC ACID DERIVATIVES OBTAINED VIA "CLICK CHEMISTRY" CROSSLINKING

- EP2468222 (A1) — 2012-06-27
P. Matricardi, C. Di Meo, F. De Marco, L. Ciolfi
DEVICE FOR THE APPLICATION OF COLD
Il prodotto brevettato è attualmente in fase di produzione

- WO2014199318 (A2) — 2014-12-18
MC De Rugeriis, E. Montanari, C. Di Meo, P. Matricardi
METHOD FOR PREPARING NANOHYDROGELS

- WO2014199319 (A2) — 2014-12-18
D'Arrigo, C. Cencetti, C. Di Meo, P. Matricardi
METHOD FOR THE TREATMENT OF NANOHYDROGELS

- WO2015071873 (A1) — 2015-05-21
C. Di Meo, C. Villani, P. Matricardi
NEW POLYMER PLATFORM TO PREPARE NANOHYDROGEL

"Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base all'art. 13 del D. Lgs. 196/2003 e all'art. 13 GDPR 679/16"