

LUCRĂRI ȘTIINȚIFICE RELEVANTE

Conf. dr. bioing. Cătălina A. Peptu

Nr.	Lucrare
1.	Logigan, C.-L.; Peptu, C.; Stan, C.S.; Luta, G.; Tiron, C.E.; Pinteala, M.; Forys, A.; Simionescu, B.; Ibanescu, C.; Tiron, A.; Peptu, C.A. Carbon Dot-Enhanced Doxorubicin Liposomes: A Dual-Functional Nanoplatfrom for Cancer Therapy. International Journal of Molecular Sciences 2025, 26, 7535. https://doi.org/10.3390/ijms26157535
2.	Logigan, C.; Delaite, C.; Tiron, C.-E.; Peptu, C.; Popa, M.; Peptu, C.A. Chitosan Grafted Poly (Ethylene Glycol) Methyl Ether Acrylate Particulate Hydrogels for Drug Delivery Applications. Gels 2022, 8, 494. https://doi.org/10.3390/gels8080494
3.	Peptu, C.A. ; Băcăiță E.S.; Savin (Logigan), C.-L.; Lutcanu, M.; Agop, M. Hydrogels Based on Alginates and Carboxymethyl Cellulose with Modulated Drug Release-An Experimental and Theoretical Study. Polymers 2021, 13, 4461. https://doi.org/10.3390/polym13244461
4.	Savin, C.-L.; Tiron, C.; Carasevici, E.; Stan, C.S.; Ibanescu, S.A.; Simionescu, B.C.; Peptu, C.A. Entrapment of N-Hydroxyphthalimide Carbon Dots in Different Topical Gel Formulations: New Composites with Anticancer Activity. Pharmaceutics 2019, 11, 303. https://doi.org/10.3390/pharmaceutics11070303
5.	Andrei, G.; Peptu, C.A. ; Popa, M.; Desbrieres, J.; Peptu, C.; Gardikiotis, F.; Costuleanu, M.; Costin, D.; Dupin, J.C.; Uhart, A.; Tamba, B.I. Formulation and evaluation of cefuroxim loaded submicron particles for ophthalmic delivery. International Journal of Pharmaceutics 2015, 493, 16–29. https://doi.org/10.1016/j.ijpharm.2015.07.053
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7.	Ciobanu, B.C.; Cadinoiu, A.N.; Popa, M.; Desbrieres, J.; Peptu, C.A. Modulated release from liposomes entrapped in chitosan/gelatin hydrogels. Materials Science & Engineering C-Materials for Biological Applications 2014, 43, 383–391. https://doi.org/10.1016/j.msec.2014.07.036
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9.	Jatariu (Cadinoiu), A.N.; Popa, M.; Curteanu, S.; Peptu, C.A. Covalent and ionic co-cross-linking-An original way to prepare chitosan-gelatin hydrogels for biomedical applications. Journal of Biomedical Materials Research Part a 2011, 98A, 342–350. https://doi.org/10.1002/jbm.a.33122
10.	Peptu, C.A. ; Buhus, G.; Popa, M.; Perichaud, A.; Costin, D. Double Cross-linked Chitosan-Gelatin Particulate Systems for Ophthalmic Applications. Journal of Bioactive and Compatible Polymers 2010, 25, 98–116. https://doi.org/10.1177/0883911509350262