

CV Profile (max. 2 pages length)

Name : Dr. Dhumal Dinesh, Ph.D.

Research interests

Design and synthesis of functional dendrimers, lipids and polymers for biomedical applications.
Nanomedicine (Liposomes, micelle, Nanoemulsions) for treatment of cancer and infectious disease treatment.
Targeted drug delivery, Gene therapy, immunotherapy
Antimicrobial peptides to overcome antimicrobial resistance
Analytical method development (Stability/impurity profiling)

Education

PhD: (01/11/2012- 23/02/2018), Institute of Chemical Technology, Mumbai, Maharashtra, India
Master's Degree: (01/08/2009- 30/06/2011), RCPIPER, North Maharashtra University, Jalgaon, India
Undergraduate Degree: (01/08/2005- 30/06/2009), SSJIPER, North Maharashtra University, Jalgaon, India

Experience in research (Notice that management and teaching activities are not considered)

Post-Doctoral researcher (01/04/2018- 31/03/2021), CNRS Post-doc, CINaM, CNRS, UMR 7325, Aix-Marseille Université, Marseille, France. Number of months (36 Months).

Sector of activity

Please write the name of sector your research/knowledge can be useful for: for example, food, mobility, health, etc.

Health and Life Sciences/Biotech and Pharma

Select the option/s about your profile

PhD and 2 additional years of full-time research experience: **Yes**

A minimum of 6 years of fulltime experience in research after Master's degree (*Notice that PhD studies are considered research experience*): **No**

Research Publications (Selected)

1. **Dhumal D**, Lan W, Ding L, Jiang Y, Lyu Z, Laurini E, Marson D, Tintaru A, Dusetti N, Giorgio S, Iovanna J, Pricl S, Peng L, An ionizable supramolecular dendrimer nanosystem for effective siRNA delivery with a favorable safety profile, *Nano Res*, **2020**, <https://doi.org/10.1007/s12274-020-3216-8>.
2. **Dhumal D**, Patil P, Kulkarni R, Akamanchi KG, Experimentally validated QSAR model for surface pKa prediction of heterolipid having potential as delivery materials for nucleic acid therapeutics, *ACS Omega*, **2020**, 5, 49, 32023–32031.
3. **Dhumal D**, Akamanchi KG, Amphipathic Heterolipids As Pharmaceutical Excipients, *Indian Patent*, **2020**, Granted No: 345590.
4. **Dhumal D**, Akamanchi KG, Self-microemulsifying drug delivery system for camptothecin using new bicephalous heterolipid with tertiary-amine as branching element, *Int. J. Pharm.*, **2018**, 541, 48-55.
5. **Dhumal D**, Kothari P, Kalhapure R, Akamanchi KG, Self-microemulsifying drug delivery system of curcumin with enhanced solubility and bioavailability using a new semi-synthetic bicephalous heterolipid: in vitro and in vivo evaluation, *RSC Adv.*, **2015**, 5, 90295-90306.

Contact information

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