

Publications List GSV

1. Amritha Vijayan, Nanditha C.K & **Kumar GSV**. ECM-mimicking nanofibrous scaffold enriched with dual growth factor carrying nanoparticles for diabetic wound healing, **Nanoscale Advances**, 3, 3085- 3092 (2021)
2. Amritha Vijayan, Sabareeswaran A. & **Kumar GSV**. PEG grafted chitosan scaffold for dual growth factor delivery for enhanced wound healing, **Scientific Reports**, 9, 19165 (2019).
3. Meenu Vasudevan S, Ashwani Kumar N & **Kumar GSV**, Peptide decorated glycolipid nanomicelles for drug delivery across the blood–brain barrier (BBB). **Biomaterial Science**, 7, 4017-4021 (2019)
4. Amritha Vijayan, Pinky Prabha James, CK Nanditha & **Kumar GSV**. Multiple cargo deliveries of growth factors and antimicrobial peptide using biodegradable nanopolymer as a potential wound healing system. **International Journal of Nanomedicine**, 14, 2253-2263 (2019).
5. Vinod Vijayakurup, Arunkumar T. Thulasidasan, Mohan Shankar G, Archana P. Retnakumari, C. Devika Nandan, Jannet Somaraj, Jayesh Antony, Vijai V. Alex, Balachandran S. Vinod, Vijayasteltar Belsamma Liju, Sankar Sundaram, **Kumar GSV** and Ruby John Anto. Chitosan Encapsulation Enhances the Bioavailability and Tissue Retention of Curcumin and Improves its Efficacy in Preventing B[a]P-induced Lung Carcinogenesis. **Cancer Prevention Research**, 12, 225-236 (2019).
6. Arun Kumar T. Thulasidasan, Archana P. Retnakumari, Mohan Shankar, Vinod Vijayakurup, Shabna Anwar, Sanu Thankachan, Kavya S. Pillai, Jisha J. Pillai, C. Devika Nandan, Vijai V. Alex, Teena Jacob Chirayil, Sankar Sundaram, **Gopalakrishnapillai Sankaramangalam Vinod Kumar** and Ruby John Anto. Folic acid conjugation improves the bioavailability and chemosensitizing efficacy of curcumin- encapsulated PLGA-PEG nanoparticles towards paclitaxel chemotherapy. **Oncotarget**, 8;107374-107389, (2017)
7. Mrunal Vitthal Wanjale & **Kumar GSV**. Peptides as a therapeutic avenue for nanocarrier-aided targeting of glioma. Peptides as a therapeutic avenue for nanocarrier-aided targeting of glioma. **Expert Opinion on Drug Delivery**, 14, 811-824 (2017)
8. N.Ashwanikumar, Nisha Asok Kumar, P.S. Saneesh Babu, K.C. Sivakumar, Mithun Varghese Vadakkan, Parvathi Nair, I. Hema Saranya, S. Asha Nair & **Kumar GSV**. Self-assembling peptide nanofibers containing phenylalanine for the controlled release of 5-fluorouracil. **International Journal of Nanomedicine**, 11,5583-5594 (2016).
9. Mithun Varghese Vadakkan and **Kumar GSV**. Advancements in devices and particle engineering in dry powder inhalation technology. **Current Topics in Medicinal Chemistry**, 16: 1990-2008 (2016).
10. Mithun Varghese Vadakkan, S.S. Binil Raj, Chandrasekharan C. Kartha, **Kumar GSV**. Cationic, amphiphilic dextran nanomicellar clusters as an excipient for dry powder inhaler formulation. **Acta Biomaterialia**, 23, 172-188, (2015).
11. Mithun Varghese Vadakkan and **Kumar GSV**. Cryo-crystallization under a partial anti-solvent environment as a facile technology for dry powder inhalation development. **RSC Advances**, 5: 73020 (2015).
12. Mithun Varghese Vadakkan, S.S. Binil Raj, Chandrasekharan C. Kartha and **Kumar GSV**. Cationic, amphiphilic dextran nanomicellar clusters as an excipient for dry powder inhaler formulation. **Acta Biomaterialia**, 23: 172-188 (2015).
13. Jisha J. Pillai, Arun Kumar T. Thulasidasan, Ruby John Anto, Nandan C. Devika, N. Ashwanikumar and **Kumar GSV**. Curcumin entrapped folic acid conjugated PLGA–PEG

- nanoparticles exhibit enhanced anticancer activity by site specific delivery. *RSC Adv.*, 5, 25518-25524, (2015).
14. M.A.Siyad and **Kumar GSV**. Synthesis and characterization of linear and cyclic endothelin peptides on PEGylated poly(O-benzyl ether) dendrimeric supports. *Polymer*, 67,80-91, (2015).
 15. N.Ashwani Kumar, Nisha Asok Kumar, S. Asha Nair and **Kumar GSV**. 5-Fluorouracil–lipid conjugate: Potential candidate for drug delivery through encapsulation in hydrophobic polyester-based nanoparticles. *Acta Biomaterialia* 10:4685–4694, (2014).
 16. N. Ashwani Kumar, Nisha Asok Kumar, S. Asha Nair and **Kumar GSV**. Dual drug delivery of 5-fluorouracil (5-FU) and methotrexate (MTX) through random copolymeric nanomicelles of PLGA and polyethylenimine demonstrating enhanced cell uptake and cytotoxicity. *Colloids and Surfaces B: Biointerfaces* 122,520–528, (2014).
 17. N.Ashwanikumar, Nisha Asok Kumar, S. Asha Nair and **Kumar GSV**. Phenylalanine-containing self-assembling peptide nanofibrous hydrogel for the controlled release of 5-fluorouracil and leucovorin. *RSC Advances* 4, 29157–29164, (2014).
 18. Jisha Jayadevan Pillai, Arun Kumar Theralikattu Thulasidasan, Ruby John Anto, Devika Nandan Chithralekha, Ashwanikumar Narayanan and **Kumar GSV**. Folic acid conjugated cross-linked acrylic polymer (FA-CLAP) hydrogel for site specific delivery of hydrophobic drugs to cancer cells. *Journal of Nanobiotechnology* 12, 25 (2014)
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