

Publications List GSV

1. 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) <https://doi.org/10.18632/oncotarget.22376>
2. 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)
3. 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).
4. 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).
5. 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).
6. 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).
7. 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).
8. 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).
9. 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).
10. 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).
11. 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).
12. 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).

13. M. A. Siyad and **Kumar GSV**. A class of linker free amphiphilic PEG grafted polymer support for linear and cyclic peptides. **RSC Advances**, 4:60404–60408, (2014).
14. Lekha Nair K, Sankar Jagadeeshan, S Asha Nair and **Kumar GSV**. Folic acid conjugated d-valerolactone-poly(ethyleneglycol) based triblock copolymer as a promising carrier for targeted doxorubicin delivery. **PLOS ONE**, 8 (8) e70697, (2013).
15. Siyad MA and **Kumar GSV**. Synthetic evaluation of disulphide-bonded sarafotoxin on a poly(oxy ether) grafted dendrimeric poly(alkylamine) support for polymer assisted organic synthesis. **Organic & Biomolecular Chemistry**, 11: 4860-4870, (2013).
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17. Siyad MA and **Kumar GSV**. PEGylated dendrimer polystyrene support: synthesis, characterisation and evaluation of biologically active peptides. **Amino Acids** 44(3) :947-959, (2013).
18. Siyad MA and **Kumar GSV**. Synthesis, Characterization, and Application of Bisphenol A Glycerolate Dimethacrylate Cross-Linked Polystyrene (PS-BGD): A Novel Support for Gel Phase Peptide Synthesis. **Current Organic Synthesis** 10 (2): 318-327, (2013).
19. Deepa G, Ashwanikumar N, Pillai JJ and **Kumar GSV**. Polymer nanoparticles-a novel strategy for administration of Paclitaxel in cancer chemotherapy. **Current Medicinal Chemistry** 19(36):6207-6213, (2012).
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dependence on the combination of the carrier. *International Journal of Pharmaceutics* 425(1-2): 44-52, (2012).

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27. Siyad MA and **Kumar GSV**. Poly(ethylene glycol) grafted polystyrene dendrimer resins: Novel class of supports for solid phase peptide synthesis. *Polymer* 53: 4076-4090, (2012).
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