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Pharmacology Fibrosis Nanotoxicology Nanotechnology Regulatory Toxicology

Cited by	VIEW ALL	
	All	Since 2019
Citations	7488	5913
h-index	44	42
i10-index	133	128

Academic and Professional details

- **B. Pharm:** UCPSc, Kakatiya University, 1999-2003, 68.68%
- **MS (Pharm):** NIPER Mohali, Pharmacology& Toxicology, 2004-2006, 8.66 CGPA
- **PhD:** NIPER Mohali, Pharmacology& Toxicology, 2006-2010, (Awarded in Feb 2011)
- **Assistant Professor:** KLR Pharmacy College (Dec 2010-March 2011)
- **Post Doc:** Florida A&M University, USA (March 2011- December 2013)
- **Current:** Assistant Professor, NIPER Hyderabad, 2014-till date, Department of Biological Sciences (Regulatory Toxicology)
- **Post PhD experience:** More than **13 years** of Research and Teaching.
- Diplomate of American Board of Toxicology (DABT), 2023
- Fellow of Telangana Academy of Sciences, 2023

Publications, Citations and Presentations

- Total number of publications: **200 (185 journal+15 book chapters)**
- Total impact factor: **>980**
- Total citations : **>7450**
- H-index: **44**
- i10-Index: **133**
- Poster presentations:**>110**
- Invited talks: **60**
- Student awards: **15**

Extramural Projects

- ICMR, Rs. 155 Lakhs (2023-2026) (**PI**)
- ICMR, Rs. 153 Lakhs (2023-2026) (**PI**)
- DBT, Rs 89 Lakhs, (2023-2026)
- Department of AYUSH, Rs. 58.16 Lakhs (2020-2023) (**PI**)
- DST-DAAD, 19.90 Lakhs (2018-2020) (**PI**)
- DBT-Indo-Brazil Joint project Rs. 98.69 Lakhs (2016-2020) (**PI**)
- DBT-North-Eastern Twinning Grant: Rs. 39.39 Lakhs (2017-2020) (**PI**)
- DST-SERB: Rs. 36.68 Lakhs (2017-2020) (**PI**)
- Department of AYUSH, Rs. 28.27 Lakhs (2015-18) (**Co-PI**)
- Total Grants as PI **>6 Crores**, as Co-PI **>1.5 Crore**

Highlights:

- **Multidisciplinary** research skills including Pharmacology, Toxicology, Drug delivery and Nanotoxicology with special focus on Organ Fibrosis and Respiratory Diseases
- Listed in Stanford's **World's 2%** Scientists in Pharmacology and Pharmacy Category, 2020, 2021, 2022 and 2023
- 3 years of Post doc exposure from USA (Successfully generated TTF and NIH grants for supervisor)
- Good experience in Extramural funds generation: **13 Research projects**
- Ability to work with experts for collaborative projects: worked with Med Chemistry, Process Chemistry, Pharmaceuticals and Pharma Analysis. Collaborated with scientists from IGIB, InStem, IITs etc.
- **GLP inspector** for DST-NGCMA
- One granted **US Patent and Two Indian Patents**
- **Co-Edited** one Book chapter, on Nanotoxicity (Elsevier), 2020
- Book chapter in **Remington Science and Practice of Pharmacy** 12th Edition, 2012

- Recipient of **DAAD fellowship**
- **Dr. B. Mukherjee Award, 2023** for Best paper published on indigenous drug in Indian Journal of Pharmacology (I.J.P) by Indian Pharmacological Society (IPS).
- **DP Patil National Best Thesis Award, 2023 by D Y Patil University, Pune.**
- Research group alumni students placed in prestigious institutes like **Harvard Medical School, John Hopkins, Washington University, Michigan University etc (8 PhD students).**

Teaching Experience: During PhD years (2006-2010), I was actively involved in teaching of M pharmacy students for practicals. After PhD, During Dec 2010-March 2011, I worked as an Assistant professor in Dept of Pharmacology at KLR College of Pharmacy. Since, January 2014 I have been actively involved in the teaching and mentoring of MS Pharm students. So far I have guided 60 Masters dissertation students and 21 PhD students under my guidance (8-Awarded and 13-Pursuing).

Research Experience:

Assistant Professor: NIPER-Hyderabad, Dept of Regulatory Toxicology

- **Research areas:** Drug Discovery and Development, Drug Delivery, Organ Fibrosis, Lung fibrosis, Liver fibrosis, Cancer, Acute and Chronic pancreatitis, Inhalational drug delivery, Nanotoxicology and Inflammatory disorders.
- Exploring protective effects of antioxidant mimetic trace metal based nanoparticles
- AI/ML tools *In Silico* Tools for Drug Discovery and Toxicology Prediction
- Working on the phyto-pharmaceutical based therapeutic strategies to combat oxidative and inflammatory stress involved in these disease conditions.

Post Doctorate: (2011-2013)

- Prof. Mandip Sachdeva's lab, Department of Pharmaceutics, College of Pharmacy, Florida A&M University, USA.
- Research Area: Cancer drug delivery and Cancer drug discovery and Development, Nanomedicine, Pulmonary Hypertension, In vitro 3D Tumor models.

Ph.D. (2006-2011): Nanotoxicology and Nano drug delivery systems

- Dept. of Pharmacology & Toxicology, NIPER, Mohali, India, Supervisor **Prof Rama Rao Poduri**
- Thesis: "*In vivo* Toxicological Studies of Nanoparticles used in Drug Delivery and Biomedical Applications"

M. S. (Pharm.) (2006): Pharmacology & Toxicology

- Dept. of Pharmacology & Toxicology, NIPER, Mohali, India, Supervisor **Prof Rama Rao Poduri**
- Thesis: "Pharmacological Studies of Telmisartan in High fat diet fed Insulin Resistant Rats"

Awards/Honors/Recognitions:

- Diplomate of American Board of Toxicology (DABT), 2023
- **Placed Top 2% Scientists** in the Stanford World ranking in 2023, 2022, 2021, 2020 and 2019 in the Subject area of Pharmacology and Pharmacy category
- **Placed Top 2% Scientists** in the worlds in the Subject area of Pharmacology and Pharmacy category
- GATE- 2004 Score 99.55 percentile with All India Rank 39
- NIPER Entrance all India 27th rank and MS Pharm (2004-2006)
- Senior Research Fellow (SRF) under DST sponsored CPN project, PhD: NIPER (2006-2010)
- Post Graduate fellowship from NIPER during MS (Pharm) course (2004-2006)
- DBT Travel award to attend AAPS annual meeting, New Orleans, USA 2010

- AAPS travel award 2010, New Orleans, USA and AAPS travel award 2011, Washington DC, USA
- News and Media coverage highlight of my Research Work in AAPS annual meeting 2012 at Chicago, USA.
- Invited Speaker, FAST (Functional Analysis & Screening Technologies Congress), Cambridge Health tech Institute, October 28-30, 2013, Le Méridien Cambridge-MIT, Cambridge, MA.
- PC Dandiya Best poster award to PhD student (Amit Khurana) at World congress on Natural products, Dec, 2019
- Best Poster Presentation to PhD student (Sowjanya Thatikonda) at World Pharmacology Congress, IISC Bangalore, Aug 2019
- Best Poster Award to PhD student (Aslam Saifi) at 6th World Congress on Nanomedical Sciences, Delhi University, January 2019.
- Best Poster Presentation to PhD student (Biswajit Panda) at 52nd International Annual Conference of Indian Pharmacological Society (IPSCON), Mysore, Karnataka, Feb 2023.
- Best Poster Presentation to PhD student (Geetanjali Devabattula) at International Conference on Drug Discovery, Delivery and Diagnostics (ICD4-2024), NIPER, Hyderabad, August 2024.
- Third prize in the SIPRA research awards, 2015
- MS student Ms Vijaya Laxmi T won the best poster award at 35th Annual Conference of SOT 2015
- MS student Ms Gauri Satish won the best poster award at Next Generation therapeutics and diagnostics Conference 2022
- RV Patel Pharma Innova Best thesis award in Pharmacology category in 2019
- RV Patel Pharma Innova Best research guide award in Pharmacology category at National level in 2016
- Associate Fellow of A.P. Akademi of Sciences, Year 2015
- Member Board of Studies (BoS), INST-JNTU Hyderabad and Anurag University
- External Examiner for M. Pharmacy and Pharm D courses
- Grant and Manuscript Reviewer for more than 40 International journals (Advanced Materials, Scientific Reports, Gene Therapy, Lancet eBiomedicine, Biomaterials etc).

Publications

1. Panda, B., Momin, A., Devabattula, G., Shrilekha, C., Sharma, A., & **Godugu, C.** (2024). Peptidyl arginine deiminase-4 inhibitor ameliorates pulmonary fibrosis through positive regulation of developmental endothelial locus-1. *International Immunopharmacology*, 140, 112861. (I.F.-4.8).
2. Panda, B., Momin, A., Devabattula, G., Doneti, R., Khandwaye, A., & **Godugu, C.** (2024). A review on mechanistic aspects of litchi fruit induced acute encephalopathy. *Toxicon*, 108052. (I.F.-2.6).
3. Galla, M. S., Kale, N. B., Sharma, A., Hajare, A., **Godugu, C.**, & Shankaraiah, N. (2024). Development of chromone-thiazolidine-2, 4-dione Knoevenagel conjugates as apoptosis inducing agents. *Bioorganic & Medicinal Chemistry Letters*, 129853. (I.F.-2.5).
4. Shahjahan, S., Narahariseti, L. T., Begum, A., Yakkala, P. A., Lakshmi Soukya, P. S., **Godugu, C.**, & Kamal, A. (2024). Oxindoline Containing Thiazolidine-4-one Tethered Triazoles Act as Antimitotic Agents by Targeting Microtubule Dynamics. *ChemistrySelect*, 9(17), e202400539. (I.F.-2.1).
5. Chaganti, S., Kushwah, B. S., Velip, L., Tiwari, S. S., Chilvery, S., **Godugu, C.**, & Samanthula, G. (2024). In vivo and in vitro metabolite profiling of nirmatrelvir using LC–Q-ToF–MS/MS along with the in silico approaches for prediction of metabolites and their toxicity. *Biomedical Chromatography*, 38(5), e5849. (I.F.-1.9).
6. Paul, P., Veerabomma, H., Gupta, U., Atram, D., Singh, P. K., Mehra, N. K., **Godugu, C.**, & Madan, J. (2024). Implication of colloidal therapeutics in the treatment of vitiligo: Portray of signaling cascade, current drug-targets and preclinical and clinical evidences. *Journal of Drug Delivery Science and Technology*, 105666. (I.F.-4.5).
7. Devabattula, G., Panda, B., Yadav, R., & **Godugu, C.** (2024). The potential pharmacological effects of natural product withaferin A in cancer: opportunities and challenges for clinical translation. *Planta Medica*. (I.F.-2.1).
8. Nene, S., Devabattula, G., Vambhurkar, G., Tryphena, K. P., Singh, P. K., Khatri, D. K., **Godugu, C.**, & Srivastava, S. (2024). High mobility group box 1 cytokine targeted topical delivery of resveratrol embedded nanoemulgel for the management of atopic dermatitis. *Drug Delivery and Translational Research*, 1-24. (I.F.-5.7).
9. Evariste Leonce, A. A., Devi, P., Richard, T. S., Panda, B., Devabattula, G., **Godugu, C.**, & Phelix Bruno, T. (2024). Anti-melanoma and antioxidant properties of the methanol extract from the leaves of *Phragmenthera capitata* (Spreng.) Balle and *Globimetula braunii* (Engl.) Van Tiegh. *Journal of Complementary and Integrative Medicine*, 21(1), 88-100. (I.F.-2.3).
10. Pooja, Y. S., Rajana, N., Yadav, R., Narahariseti, L. T., **Godugu, C.**, & Mehra, N. K. (2024). Design, development, and evaluation of CDK-4/6 inhibitor loaded 4-carboxy phenyl boronic acid conjugated pH-sensitive chitosan lecithin nanoparticles in the management of breast cancer. *International Journal of Biological Macromolecules*, 258, 128821. (I.F.-7.7).
11. Valamla, B., Charry, S., Rajana, N., Urati, A., Devabattula, G., Sau, S., **Godugu, C.**, & Mehra, N. K. (2024). Multifunctional Wound Curation Dressing Material FemuFrost— An Antioxidant-Loaded Nanoemulsion Frosted Patch of Poly (vinyl alcohol) and Hyaluronic Acid. *ACS Applied Bio Materials*, 7(2), 1028-1040. (I.F.-4.6).
12. Ommi, O., Chilvery, S., Dhopat, P. S., Sharma, A., Bhalerao, H. A., Dannaram, S. R., **Godugu, C.**, & Yaddanapudi, V. M. (2023). Exploration of quinoxaline-benzimidazole hybrids as apoptosis-inducing agents and tubulin polymerisation inhibitors. *Journal of Molecular Structure*, 1292, 136184. (I.F.-4.0).
13. Soni, J. P., Devi, P., Chemitikanti, S., Sharma, A., Swamy, C. V. D., Phanindranath, R., **Godugu, C.**, & Shankaraiah, N. (2023). Design, synthesis and in vitro cytotoxic evaluation of β -carboline tethered quinoline-4-carboxamide conjugates as DNA-interactive Topo II inhibitors. *Journal of Molecular Structure*, 1291, 136001. (I.F.-4.0).
14. Yadav, R., Momin, A., & **Godugu, C.** (2023). DNase based therapeutic approaches for the treatment of NETosis related inflammatory diseases. *International Immunopharmacology*, 124, 110846. (I.F.-4.8).
15. Bhavana, V., Chary, P. S., Rajana, N., Devabattula, G., Sau, S., **Godugu, C.**, & Mehra, N. K. (2023). Multimodal lemongrass oil based topical nanoemulgel ingrained with ferulic acid for wound healing activity. *Journal of Molecular Liquids*, 389, 122870. (I.F.-5.3).

16. Sakla, A. P., Panda, B., Mahale, A., Sharma, P., Laxmikeshav, K., Khan, M. A., **Godugu, C.,** & Shankaraiah, N. (2023). Regioselective synthesis and in vitro cytotoxicity evaluation of 3-thiooxindole derivatives: Tubulin polymerization inhibition and apoptosis inducing studies. *Bioorganic & Medicinal Chemistry*, 90, 117297. **(I.F.-3.3).**
17. Khurana, A., Saifi, M. A., & **Godugu, C.** (2023). Yttrium oxide nanoparticles attenuate L-arginine induced chronic pancreatitis. *Biological Trace Element Research*, 201(7), 3404-3417. **(I.F.-3.7).**
18. Sharma, R., Jain, H., **Godugu, C.,** & Chella, N. (2023). Formulation and optimization of aceclofenac loaded hyaluronic-oleic acid based micellar gel for the management of osteoarthritis. *Journal of Drug Delivery Science and Technology*, 84, 104560. **(I.F.-4.5).**
19. Thatikonda, S., Pooladanda, V., Tokala, R., Shankaraiah, N., & **Godugu, C.** (2023). Niclosamide inhibits epithelial-mesenchymal transition with apoptosis induction in BRAF/NRAS mutated metastatic melanoma cells. *Toxicology in Vitro*, 105579. **(I.F.-2.6).**
20. Saifi, M. A., Sathish, G., Bazaz, M. R., & **Godugu, C.** (2023). Exploration of tumor penetrating peptide iRGD as a potential strategy to enhance tumor penetration of cancer nanotherapeutics. *Biochimica et Biophysica Acta (BBA)-Reviews on Cancer*, 1878(3), 188895. **(I.F.-11.2).**
21. Laxmikeshav, K., Sayali, M., Devabattula, G., Valapil, D. G., Mahale, A., Sharma, P., **Godugu, C.,** & Shankaraiah, N. (2023). Triazolo-linked benzimidazoles as tubulin polymerization inhibitors and DNA intercalators: Design, synthesis, cytotoxicity, and docking studies. *Archiv der Pharmazie*, 356(5), 2200449. **(I.F.-5.1).**
22. Rao Gajula, S. N., Talari, S., Chilvery, S., **Godugu, C.,** & Sonti, R. (2023). A unique in vivo pharmacokinetic profile, in vitro metabolic stability and hepatic first-pass metabolism of garcinol, a promising novel anticancer phytoconstituent, by liquid chromatography–mass spectrometry. *RPS Pharmacy and Pharmacology Reports*, 2(2), rqad017. **(I.F.-3.02).**
23. Rao Gajula, S. N., **Godugu, C.,** & Sonti, R. (2023). Chronopharmacokinetics: a critical missing step in drug discovery and development. *Bioanalysis*, 15(8), 421-424. **(I.F.-2.1).**
24. Mohd Aslam Saifi, Rishabh Hirawat, **Godugu C,** Lactoferrin-Decorated Cerium Oxide Nanoparticles Prevent Renal Injury and Fibrosis. *Biological Trace Element Research*. 2022. **(I.F.-3.7).**
25. Hirawat, R., Jain, N., Saifi, M. A., Rachamalla, M., & **Godugu, C.** (2022). Lung Fibrosis: Post-COVID-19 Complications and Evidences. *International Immunopharmacology*, 109418. **(I.F.-4.8).**
26. Pooladanda, V., Thatikonda, S., Muvvala, S. P., & **Godugu, C.** (2023). Acute respiratory distress syndrome enhances tumor metastasis into lungs: Role of BRD4 in the tumor microenvironment. *International Immunopharmacology*, 109701. **(I.F.-4.8).**
27. Atmakuri, S., Nene, S., Jain, H., Joga, R., Devabattula, G., **Godugu, C.,** & Srivastava, S. (2023). Topical delivery of tofacitinib citrate loaded novel nanoemulgel for the management of 2, 4-Dichlorodinitrobenzene induced atopic dermatitis in mice model. *Journal of Drug Delivery Science and Technology*, 80, 104145. **(I.F.-4.5).**
28. Khurana, A., Saifi, M. A., & **Godugu, C.** (2023). Nanoceria Ameliorates Fibrosis, Inflammation, and Cellular Stress in Experimental Chronic Pancreatitis. *ACS Biomaterials Science & Engineering*, 9(2), 1030-1042. **(I.F.-5.4).**
29. Makhal, P. N., Dannarm, S. R., Shaikh, A. S., Ahmed, R., Chilvery, S., Dayare, L. N., **Godugu, C.,** & Kaki, V. R. (2023). Exo-trig selenocyclization of secondary allylic carboxamides using Woollins' reagent: en route to 2, 5-disubstituted selenazolines. *Chemical Communications*, 59(25), 3767-3770. **(I.F.-4.3).**
30. Bora, D., Samir, K. M., Sharma, A., Chilvery, S., Bansod, S., John, S. E., **Godugu, C.,** & Shankaraiah, N. (2023). Exploration of cytotoxic potential and tubulin polymerization inhibition activity of cis-stilbene-1, 2, 3-triazole congeners. *RSC Medicinal Chemistry*, 14(3), 482-490. **(I.F.-4.1).**
31. Soni, J. P., Chilvery, S., Sharma, A., Reddy, G. N., **Godugu, C.,** & Shankaraiah, N. (2023). Design, synthesis and in vitro cytotoxicity evaluation of indolo–pyrazoles grafted with thiazolidinone as tubulin polymerization inhibitors. *RSC Medicinal Chemistry*, 14(3), 549-562. **(I.F.-4.1).**
32. **Godugu, C.,** Khurana, A., & Saifi, M. A. (2023). Rare earth cerium oxide nanoparticles attenuated liver fibrosis in bile duct ligation mice model. *Journal of Trace Elements in Medicine and Biology*, 75, 127102. **(I.F.-3.6).**

33. Chilvery, S., Yelne, A., Khurana, A., Saifi, M. A., Bansod, S., Anchi, P., & **Godugu, C.** (2023). Acetaminophen induced hepatotoxicity: An overview of the promising protective effects of natural products and herbal formulations. *Phytomedicine*, 108, 154510. **(I.F.-6.7)**.
34. Kharat, P., Chary, P. S., Bhavana, V., Rajana, N., Devabattula, G., **Godugu, C.**, & Mehra, N. K. (2022). Thymoquinone-Loaded Essential Oil-Based Emulgel as an Armament for Anti-psoriatic Activity. *AAPS PharmSciTech*, 24(1), 26. **(I.F.-3.5)**.
35. Chary, P. S., Rajana, N., Devabattula, G., Bhavana, V., Singh, H., **Godugu, C.**, & Mehra, N. K. (2022). Design, fabrication and evaluation of stabilized polymeric mixed micelles for effective management in cancer therapy. *Pharmaceutical Research*, 39(11), 2761-2780. **(I.F.-3.8)**.
36. Saifi, M. A., Bansod, S., & **Godugu, C.** (2022). COVID-19 and fibrosis: mechanisms, clinical relevance, and future perspectives. *Drug Discovery Today*, 103345. **(I.F.-6.5)**.
37. Jain, H., Devabattula, G., Bhat, A., Dalvi, H., Rangaraj, N., **Godugu, C.**, & Srivastava, S. (2022). Topical delivery of Bruton's tyrosine kinase inhibitor and curcumin-loaded nanostructured lipid carrier gel: Repurposing strategy for the psoriasis management. *Pharmaceutical Development and Technology*, 27(9), 975-988. **(I.F.-2.6)**.
38. Anchi, P., Chilvery, S., Tekalkar, S., Gajula, S. N. R., Sonti, R., & **Godugu, C.** (2022). Nimbolide loaded sustained release microparticles as single-dose formulations for effective management of arthritis. *Journal of Drug Delivery Science and Technology*, 75, 103638. **(I.F.-4.5)**.
39. Kadagathur, M., Patra, S., Devabattula, G., George, J., Phanindranath, R., Shaikh, A. S., **Godugu, C.** & Shankaraiah, N. (2022). Design, synthesis of DNA-interactive 4-thiazolidinone-based indolo-/pyrroloazepinone conjugates as potential cytotoxic and topoisomerase I inhibitors. *European Journal of Medicinal Chemistry*, 238, 114465. **(I.F.-6.0)**.
40. Saifi, M. A., & **Godugu, C.** (2022). Copper chelation therapy inhibits renal fibrosis by modulating copper transport proteins. *BioFactors*, 48(4), 934-945. **(I.F.-5.0)**.
41. Saifi, M. A., Shaikh, A. S., Kaki, V. R., & **Godugu, C.** (2022). Disulfiram prevents collagen crosslinking and inhibits renal fibrosis by inhibiting lysyl oxidase enzymes. *Journal of Cellular Physiology*, 237(5), 2516-2527. **(I.F.-6.513)**.
42. Kadagathur, M., Shaikh, A.S., Panda, B., George, J., Phanindranath, R., Sigalapalli, D.K., Bhale, N.A., **Godugu, C.**, Nagesh, N., Shankaraiah, N. and Tangellamudi, N.D., 2022. Synthesis of indolo/pyrroloazepinone-oxindoles as potential cytotoxic, DNA-intercalating and Topo I inhibitors. *Bioorganic Chemistry*, 122, p.105706. **(I.F.-4.5)**.
43. Anchi, P., Panda, B., Mahajan, R. B., & **Godugu, C.** (2022). Co-treatment of Nimbolide augmented the anti-arthritic effects of methotrexate while protecting against organ toxicities. *Life Sciences*, 295, 120372. **(I.F.-5.2)**.
44. Allawadhi, P., Khurana, A., Sayed, N., **Godugu, C.**, & Vohora, D. (2022). Ameliorative effect of cerium oxide nanoparticles against Freund's complete adjuvant-induced arthritis. *Nanomedicine*, 17(6), 383-404. **(I.F.-4.3)**.
45. Mandumpala, J. J., Baby, S., Tom, A. A., **Godugu, C.**, & Shankaraiah, N. (2022). Role of histone demethylases and histone methyltransferases in triple-negative breast cancer: Epigenetic mnemonics. *Life sciences*, 292, 120321. **(I.F.-5.2)**.
46. Jain, H., Geetanjali, D., Dalvi, H., Bhat, A., **Godugu, C.**, & Srivastava, S. (2022). Liposome mediated topical delivery of Ibrutinib and Curcumin as a synergistic approach to combat imiquimod induced psoriasis. *Journal of Drug Delivery Science and Technology*, 68, 103103. **(I.F.-4.5)**.
47. Gurram, S., Anchi, P., Panda, B., Tekalkar, S. S., Mahajan, R. B., & **Godugu, C.** (2022). Amelioration of experimentally induced inflammatory arthritis by intra-articular injection of visnagin. *Current Research in Pharmacology and Drug Discovery*, 3, 100114. **(I.F.-4.0)**.
48. Namballa, H. K., Anchi, P., Manasa, K. L., Soni, J. P., **Godugu, C.**, Shankaraiah, N., & Kamal, A. (2021). β -Carboline tethered cinnamoyl 2-aminobenzamides as class I selective HDAC inhibitors: Design, synthesis, biological activities and modelling studies. *Bioorganic Chemistry*, 117, 105461. **(I.F.-4.5)**.
49. Gangadevi, V., Thatikonda, S., Pooladanda, V., Devabattula, G., & **Godugu, C.** (2021). Selenium nanoparticles produce a beneficial effect in psoriasis by reducing epidermal hyperproliferation and inflammation. *Journal of Nanobiotechnology*, 19, 1-19. **(I.F.-10.6)**.

50. Gaikwad, N. B., Bansode, S., Biradar, S., Ban, M., Srinivas, N., **Godugu, C.**, & Yaddanapudi, V. M. (2021). New 3-(1H-benzo [d] imidazol-2-yl) quinolin-2 (1H)-one-based triazole derivatives: Design, synthesis, and biological evaluation as antiproliferative and apoptosis-inducing agents. *Archiv der Pharmazie*, 354(11), 2100074. (I.F.-5.1).
51. Saifi, M. A., Seal, S., & **Godugu, C.** (2021). Nanoceria, the versatile nanoparticles: Promising biomedical applications. *Journal of Controlled Release*, 338, 164-189. (I.F.-10.5).
52. Shah, S., Chougule, M. B., Kotha, A. K., Kashikar, R., **Godugu, C.**, Raghuvanshi, R. S., & Srivastava, S. (2021). Nanomedicine based approaches for combating viral infections. *Journal of Controlled Release*, 338, 80-104. (I.F.-10.5).
53. Gaikwad, N. B., Bansod, S., Mara, A., Garise, R., Srinivas, N., **Godugu, C.**, & Yaddanapudi, V. M. (2021). Design, synthesis, and biological evaluation of N-(4-substituted)-3-phenylisoxazolo [5, 4-d] pyrimidin-4-amine derivatives as apoptosis-inducing cytotoxic agents. *Bioorganic & Medicinal Chemistry Letters*, 49, 128294. (I.F.-2.5).
54. Bansod, S., Saifi, M. A., & **Godugu, C.** (2021). Molecular updates on berberine in liver diseases: bench to bedside. *Phytotherapy Research*, 35(10), 5459-5476. (I.F.- 7.2).
55. Tirumala, M. G., Anchi, P., Raja, S., Rachamalla, M., & **Godugu, C.** (2021). Novel methods and approaches for safety evaluation of nanoparticle formulations: A focus towards in vitro models and adverse outcome pathways. *Frontiers in pharmacology*, 12, 612659. (I.F.-4.4).
56. Ali, S. A., Saifi, M. A., **Godugu, C.**, & Talla, V. (2021). Silibinin alleviates silica-induced pulmonary fibrosis: Potential role in modulating inflammation and epithelial-mesenchymal transition. *Phytotherapy Research*, 35(9), 5290-5304. (I.F.-7.2).
57. More, N. B., Sharma, N., Pulivendala, G., Bale, S., & **Godugu, C.** (2021). Natural product topical therapy in mitigating imiquimod-induced psoriasis-like skin inflammation-underscoring the anti-psoriatic potential of Nimbolide. *Indian Journal of Pharmacology*, 53(4), 278-285. (I.F.-1.4).
58. Bansod, S., Saifi, M. A., & **Godugu, C.** (2021). Inhibition of discoidin domain receptors by imatinib prevented pancreatic fibrosis demonstrated in experimental chronic pancreatitis model. *Scientific Reports*, 11(1), 12894. (I.F.-3.8).
59. Pooladanda, V., Thatikonda, S., Muvvala, S. P., Devabattula, G., & **Godugu, C.** (2021). BRD4 targeting nanotherapy prevents lipopolysaccharide induced acute respiratory distress syndrome. *International Journal of Pharmaceutics*, 601, 120536. (I.F.-5.3).
60. Pooladanda, V., Thatikonda, S., Sunnapu, O., Tiwary, S., Vemula, P. K., Talluri, M. K., & **Godugu, C.** (2021). iRGD conjugated nimbolide liposomes protect against endotoxin induced acute respiratory distress syndrome. *Nanomedicine: Nanotechnology, Biology and Medicine*, 33, 102351. (I.F.-4.2).
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Book Chapters

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Technology Transfers

1. Development of Unani Herbal Toothpaste for Ministry of Ayush/2020.