

## CURRICULUM VITAE

**Dr Ganga Modi Naidu. Vegi**, M.Tech,Ph.D

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Date of Birth: 12-10-1979



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### ACADEMIC QUALIFICATIONS

- Post Doctoral Fellow(July 2010 - Dec 2012): Department of Anatomy, YLL School of medicine, National University of Singapore, Singapore.
- Doctor of Philosophy (April 2006 – June 2010): Department of Pharmacology, Indian Institute of Chemical Technology (IICT), Hyderabad, A.P, India
- M.Tech, Medical Biotechnology (July 2003 - August 2005): Department of Biochemistry, University of Hyderabad, Hyderabad, A.P, India.
- Bachelor of Pharmacy (B.Pharm August 1999 - April 2003): SmtSarojini Ramulamma College of Pharmacy (Affiliated to Osmania University), Mahbubnagar, A.P, India.

### EXPERIENCE

- Associate professor and Dean In-charge (March 2017 - Till date), Department of Pharmacology & Toxicology, National Institute of Pharmaceutical Education & Research, Guwahati.
- Assistant professor (January 2012 - February 2017), Department of Pharmacology & Toxicology, National Institute of Pharmaceutical Education & Research, Hyderabad.
- Lecturer in department of pharmacology(August 2005 – December 2005), S.S.R.College of pharmacy, Mahbubnagar, A.P., India.
- Project assistant (January 2006 – April 2006) in department of pharmacology, Indian institute of chemical technology (IICT), Hyderabad, A.P, India.

### RESEARCH AREA OF INTEREST

- Studying the responses of cancer cells to drugs (natural medicines, synthetic molecules) and their molecular mechanism by targeting the signaling pathways involved in regulating cell proliferation.
- Targeting PI3K/mTOR, wnt/ $\beta$  catenin and autophagy signaling pathways by using small molecules as inhibitors for the treatment of triple negative breast cancer.
- Targeting signaling pathways involved in inflammation and cancer cell induced bone loss, oxidative stress induced organ toxicity

## **AWARDS/FELLOWSHIPS**

- Associate Fellow of A.P Academy of sciences
- Prof Manjeet Singh Prize for Best Molecular Pharmacology manuscript, IPSCON 2014
- Qualified All India Graduate Aptitude Test in Engineering (GATE) conducted by IIT Madras, with 91.14n percentile score in Pharmaceutical Sciences – 2003
- Awarded senior research fellowship (SRF) from Council of scientific and industrial research (CSIR), New Delhi- 2006
- Secured 3rd rank in national level entrance Examination for M.Tech (Medical Biotechnology) conducted by UNIVERSITY OF HYDERABAD, Hyderabad in May 2003.
- Achieved 1<sup>st</sup> rank in M.Tech medical biotechnology (2003-2005), University of Hyderabad.

## **Number of students Guided:**

MS/M Pahrn/MSC Students: 20

Ph.D Students: 2 awarded and 3 students are working as scholars

## **MEMBERSHIP WITH PROFESSIONAL AND SCIENTIFIC BODIES**

- Life Member, Indian Pharmacological Society (IPS)
- Member, Scientific Advisory Board Committee, TeenaBiolabs Pvt. Ltd, Hyderabad
- Editorial Team Member for Bulletin of pharmaceutical & medical sciences, Current Trends in Pharmaceutical Sciences and invited reviewer for Journal of Oncotargets& Therapy (Dove press), ETAP e.t.c

## **PUBLICATIONS: 41**

**a) Research Articles: 58**

1. Kumar, Niggula Praveen, Pankaj Sharma, T. Srinivasa Reddy, ShaliniNekkanti, NagulaShankaraiah, GuntukuLalita, S. Sujanakumari, Suresh K. Bhargava, V. G. M. Naidu, and Ahmed Kamal. "Synthesis of 2, 3, 6, 7-tetramethoxyphenanthren-9-amine: An efficient precursor to access new 4-aza-2, 3-dihydropyridophenanthrenes as apoptosis inducing agents." *European Journal of Medicinal Chemistry* 127 (2017): 305-317 (IF- 3.44).
2. Ramya, PV Sri, Srinivas Angapelly, LalitaGuntuku, Chander Singh Digwal, BathiniNagendraBabu, V. G. M. Naidu, and Ahmed Kamal. "Synthesis and biological evaluation of curcumin inspired indole analogues as tubulin polymerization inhibitors." *European Journal of Medicinal Chemistry* 127 (2017): 100-114 (IF-3.44).
3. Johnsirani, P., Vishnuvardhan Ch, A. Lingesh, V. G. M. Naidu, Naveen Ch, and N. Satheeshkumar. "Isolation, characterization using LC-ESI-QTOF, NMR and in vitro cytotoxicity assay of Niclosamide forced degradation products." *Journal of Pharmaceutical and Biomedical Analysis* (2017) (IF-2.2).
4. Senwar, Kishna Ram, T. Srinivasa Reddy, Dinesh Thummuri, Pankaj Sharma, Suresh K. Bhargava, V. G. M. Naidu, and NagulaShankaraiah. "Design and synthesis of 4'-O-alkylamino-tethered-benzylideneindolin-2-ones as potent cytotoxic and apoptosis inducing agents." *Bioorganic & Medicinal Chemistry Letters* 26, no. 16 (2016): 4061-4069 (IF-2.42).
5. **Rupavani, B., V. Peesapati, V. G. M. Naidu, and S. Ramakrishna. "Synthesis of some new physiologically active polyheterocycles derived from benzocyclohepten-5-ones." NISCAIR-CSIR, India (2016).**
6. Shrivastava S, Jeengar MK, Thummuri D, Koval A, Katanaev VL, Marepally S, **V G M Naidu\***. Cardamonin, a chalcone, inhibits human triple negative breast cancer cell invasiveness by downregulation of Wnt/ $\beta$ -catenin signaling cascades and reversal of epithelial mesenchymal transition. *Biofactors* 2016. **(IF : 4.5)**
7. Nagarsenkar A, Guntuku L, Guggilapu SD, K DB, Gannoju S, **Naidu VGM**, BathiniNB. Synthesis and apoptosis inducing studies of triazole linked 3-benzylidene isatin derivatives. *Eur J Med Chem.* 2016 **(IF:3.4)**
8. Sharma P, Srinivasa Reddy T, Thummuri D, Senwar KR, Praveen Kumar N, Naidu VGM, Bhargava SK, Shankaraiah N. Synthesis and biological evaluation of new benzimidazole-thiazolidinedione hybrids as potential cytotoxic and apoptosis inducing agents. *Eur J Med Chem.* 2016 **(IF:3.4)**
9. Gundala NK, Naidu VGM, Das UN. Arachidonic acid and lipoxin A4 attenuate alloxan-induced cytotoxicity to RIN5F cells in vitro and type 1 diabetes mellitus in vivo. *Biofactors.* 2016 **(IF : 4.5)**
10. UND Naveen KV, Gundala, Vegi G.M. Naidu. [Arachidonic acid \(AA\) and lipoxin A4 \(LXA4\) attenuate streptozotocin-induced cytotoxicity to RIN5F cells in vitro and type 1 and type 2 diabetes mellitus in vivo.](#) *Nutrition* 2016. **(IF: 3.04).**
11. Sharma P, Thummuri D, Reddy TS, Senwar KR, Naidu VG, Srinivasulu G, Bhargava SK, Shankaraiah N. New (E)-1-alkyl-1H-benzo[d]imidazol-2-yl)methylene)indolin-2-ones: Synthesis, in vitro cytotoxicity evaluation and apoptosis inducing studies. *Eur J Med Chem.* 2016 Jul 11; 122:584-600.
12. Vodnala S, Bhavani AK, Kamutam R, Naidu VG, Promila, Prabhakar Ch. DABCO-catalyzed one-pot three component synthesis of dihydropyrano[3,2-c]chromene substituted quinazolines and their evaluation towards anticancer activity. *Bioorg Med Chem Lett.* 2016 Aug 15;26(16):3973-7.
13. Senwar KR, Reddy TS, Thummuri D, Sharma P, Naidu VG, Srinivasulu G, Shankaraiah N. Design, synthesis and apoptosis inducing effect of novel

(Z)-3-(3'-methoxy-4'-(2-amino-2-oxoethoxy)-benzylidene)indolin-2-ones as potential antitumour agents. *Eur J Med Chem.* 2016 Aug 8; 118:34-46.

14. Prajapati SK, Nagarsenkar A, Guggilapu SD, Gupta KK, Allakonda L, Jeengar MK, Naidu VG, Babu BN. Synthesis and biological evaluation of oxindole linked indolyl-pyrimidine derivatives as potential cytotoxic agents. *Bioorg Med Chem Lett.* 2016 1;26(13):3024-8.
15. Jeengar MK, Rompicharla SV, Shrivastava S, Chella N, Shastri NR, Naidu VG, Sistla R. Emu oil based nano-emulgel for topical delivery of curcumin. *Int J Pharm.* **2016**, 15;506(1-2):222-36.
16. Muzammil Afzal S, Naidu VG, Harishankar N, Kishan V. Albumin anchored docetaxel lipid nanoemulsion for improved targeting efficiency - preparation, characterization, cytotoxic, antitumor and in vivo imaging studies. *Drug Deliv.* 2016;23(4):1355-63.
17. Senwar KR, Reddy TS, Thummuri D, Sharma P, **Naidu VG**, Srinivasulu G, Shankaraiah N. Design, synthesis and apoptosis inducing effect of novel (Z)-3-(3'-methoxy-4'-(2-amino-2-oxoethoxy)-benzylidene)indolin-2-ones as potential antitumour agents. [Eur J Med Chem.](#) **2016.** (IF:3.4)
18. [Manish Kumar Jeengar](#), [Shweta Shrivastava](#), [S. Chandra MouliVeeravalli](#), [V.G.M. Naidu\\*](#), [Ramakrishna Sistla](#), Amelioration of FCA induced arthritis on topical application of curcumin in combination with emu oil. *Nutrition* (Article in Press). (IF: 3.04).
19. Shankaraiah N, Jadala C, Nekkanti S, Senwar KR, Nagesh N, Shrivastava S, **Naidu VG**, Sathish M, Kamal A. Design and synthesis of C3-tethered 1,2,3-triazolo- $\beta$ -carboline derivatives: Anticancer activity, DNA-binding ability, viscosity and molecular modeling studies. *Bioorg Chem.* 2016;64:42-50. (IF 2.33)
20. [Hitesh Kulhari](#), [Deep Pooja](#), [Shweta Shrivastava](#), [MadhusudanaKuncha](#), [V. G. M. Naidu](#), [Vipul Bansal](#), [Ramakrishna Sistla](#) & [David J. Adams](#). Trastuzumab-grafted PAMAM dendrimers for the selective delivery of anticancer drugs to HER2-positive breast cancer. *Scientific Reports.* 2016 (IF 5.57)
21. Resham K, Patel PN, Thummuri D, Guntuku L, Shah V, Bambal RB, Naidu VGM\* Preclinical drug metabolism and pharmacokinetics of salinomycin, a potential candidate for targeting human cancer stem cells. *Chemico Biological Interactions* **2015** (IF:2.7).
22. Thummuri D, Jeengar MK, Shrivastava S, Nemani H, Ramavat RN, Chaudhari P, **Naidu VGM\*** Thymoquinone prevents RANKL-induced osteoclastogenesis activation and osteolysis in an in vivo model of inflammation by suppressing NF-KB and MAPK Signalling. *Pharmacological Research.* 2015, 99:63-73. (IF: 4.8).
23. Shweta Shrivastava, Manish Kumar Jeengar, V Sudhakar Reddy, G Bhanuprakash Reddy, VGM Naidu\*. Anticancer effect of celastrol on human triple negative breast cancer: Possible involvement of oxidative stress, mitochondrial dysfunction, apoptosis and PI3K/Akt pathways. *Experimental and Molecular Pathology*, **2015** (IF:2.88)
24. Rajan Swami, Indu Singh, Manish Kumar Jeengar, **VGM Naidu**, Wahid Khan, Ramakrishna Sistla. Adenosine conjugated lipidic nanoparticles for enhanced tumor targeting. *International journal of pharmaceutics* (IF:3.78)
25. Santosh Kumar Prajapati, Shweta Shrivastava, UmeshBihade, Ajay Kumar Gupta, VGM Naidu, Uttam Chand Banerjee, BathiniNagendraBabu. Synthesis and biological evaluation of novel  $\Delta$  2-isoxazoline fused cyclopentane derivatives as potential antimicrobial and anticancer agents. *MedChemComm.* (IF:2.62)
26. NagulaShankaraiah, ShaliniNekkanti, Karmarajsinh J Chudasama, Kishna Ram Senwar, Pankaj Sharma, Manish Kumar Jeengar, VGM Naidu, VunnamSrinivasulu, GannojuSrinivasulu, Ahmed Kamal. Design,

- synthesis and anticancer evaluation of tetrahydro- $\beta$ -carboline-hydantoin hybrids. **Bioorganic & medicinal chemistry letters**, 2014. (IF:2.33)
27. Manish Kumar Jeengar, Shweta Shrivastava, K Nair, SR Singareddy, UK Putcha, MV Talluri, **VGM Naidu\***, R Sistla. Improvement of Bioavailability and Anti-Inflammatory Potential of Curcumin in Combination with Emu Oil. **Inflammation**, 2014.(IF:1.92)
  28. Shweta Shrivastava, Prasad Kulkarni, Dinesh Thummuri, Manish Kumar Jeengar, **V.G.M. Naidu\***, MallikaAlvala, G. BhanuprakashRedddy. Piperlongumine, an alkaloid causes inhibition of PI3K/Akt/mTOR signaling axis to induce caspase-dependent apoptosis in human triple-negative breast cancer cells. **Apoptosis**, 2014. (IF:3.9)
  29. UppuluriVenkataMallavadhani, ChakkaVara Prasad, Shweta Shrivastava, **VGM Naidu**. Synthesis and anticancer activity of some novel 5, 6-fused hybrids of juglone based 1, 4-naphthoquinones. **European journal of medicinal chemistry**, 2014. (IF:3.4)
  30. Vadla Ramesh, Boddu Ananda Rao, Pankaj Sharma, B Swarna, Dinesh Thummuri, Kolupula Srinivas, **VGM Naidu\***, Vaidya Jayathirtha Rao. Synthesis and biological evaluation of new rhodanine analogues bearing 2-chloroquinoline and benzo [h] quinoline scaffolds as anticancer agents. **European journal of medicinal chemistry**, 2014. (IF:3.4)
  31. Dinesh Thummuri, Manish Kumar jeengar, AparnaAreti, shwethasrivastava, **VGM Naidu\***. **Boswelliaovalifoliolata** abrogates ROS mediated NF-kB activation, causes apoptosis and chemosensitization in Triple Negative Breast Cancer cells. Revised Manuscript submitted to **Environmental toxicology and applied pharmacology**, 2014 (IF: 1.96)
  32. Bandari Uma Mahesh, Shweta Shrivastava, Rajeswara Rao Pragada, **V.G.M. Naidu\***, Ramakrishna Sistla. Antioxidant and hepatoprotective effect of *Boswelliaovalifoliolata* bark extracts. **Chinese Journal of Natural Medicine**. 2014.
  33. Hitesh Kulhari, DeepPooja, ShwetaShrivastava, **Naidu V.G.M**, Ramakrishna Sistla. Peptide conjugated polymeric nanoparticles as a carrier for targeted delivery of docetaxel. **Colloids and Surfaces B: Biointerfaces**. 2014. (IF 3.55).
  34. H. N. S. Sai Pavan Kumar, E. Srihari, SravaniKancharla, Kolupula Srinivas, **Shweta Shrivastava, V. G. M. Naidu\***, V. Jayathirtha Rao\*, First total synthesis of fuzanins C, D and their analogues as anticancer agents, S. Naveen Kumar, C. RSC Advances, 2014.(IF: 2.56).
  35. **V G M Naidu**, Atmakur H, Katragadda SB, Devabakthuni B, Kota A, S CK, Kuncha M, M V P S VV, Kulkarni P, Janaswamy MR, Sistla R. Antioxidant, hepatoprotective and cytotoxic effects of icetexanes isolated from stem-bark of Premnatomentosa. **Phytomedicine**. 2013. (IF: 2.97)
  36. Mallavadhani UV, Vanga NR, Jeengar MK, **Naidu VGM**. Synthesis of novel ring-A fused hybrids of oleanolic acid with capabilities to arrest cell cycle and induce apoptosis in breast cancer cells. **European journal of medicinal chemistry**, 2013.(IF: 3.4).
  37. Madhusudhana K, **VGM Naidu**, BidyaSahu, Ramakrishna Sistla. Curcumin potentiates the antiarthritic effect of prednisolone in FCA induced arthritic rat. **Journal of Pharmacy & Pharmacology**. 2013.(IF: 2.03).
  38. **Naidu VGM**, Dinesh Babu KR, Thwin MM, Satish RL, Kumar PV, Gopalakrishnakone P. **RANKL targeted peptides inhibit osteoclastogenesis and attenuate adjuvant induced arthritis by inhibiting NF-kB activation and down regulating inflammatory cytokines**. **Chemico Biological Intercations** 2013. (IF: 2.86).
  39. **V.G.M. Naidu**, Bandari Uma Mahesh, Ashwini Kumar Giddam, KuppanRajendran Dinesh Babu, K. Suresh babu, Jian Ding ,Rajeswara Rao Pragada , Goopalakrishnakone.PApoptogenic activity of ethyl acetate extract of leaves of memecylonedule on human gastric carcinoma cells via mitochondrial dependent pathway. **Asian Pacific journal of Tropical Medicine**. 2013. (IF: 0.50).

40. Vijaykumar D. Nimbarte, HadianawalaMurtuza, SahishnaPhaniraj, Shweta Shrivastava, **V. G. M. Naidu**, N. Satheesh Kumar, Krishnam Raju Atcha. Design, synthesis and biological evaluation of 4-(1-(4(sulphanilamide)phenyl)-3-(methyl)-1H-pyrazol-5-yl)dine urea andN-acyl derivatives as a soluble epoxide hydrolase inhibitors **Medicinal Chemistry Research, 2013 (IF: 1.61)**.
41. GJ Kumar, HVSS Bomma, E Srihari, S Shrivastava, **VGM Naidu\***, K Srinivas, VJ Rao\*Synthesis and anticancer activity of some new s-triazine derivatives. Synthesis and anticancer activity of some new s-triazine derivatives. **Medicinal Chemistry Research, 2013(IF: 1.61)**.
42. Bandari Uma Mahesh, Shweta Shrivastava, MadhusudhanaKuncha, BidayDharSahu, ChallaVirbhadraSwamy, Rajeswara Rao Pragada, V.G.M. Naidu\*, Ramakrishna Sistla. Ethanolic extract of Boswelliaovalifoliolata bark and leaf attenuates doxorubicin-induced cardiotoxicity in mice. **Environmental Toxicology and Applied Pharmacology. 2013. (IF 1.96)**
43. AparnaAreti, Prasanth.K, Veera Ganesh Yerra, **Naidu.V.G.M**\*Studies on Total Phenolic and Flavonoid Contents, *In Vitro* and *Ex Vivo* Antioxidant Activity of *BoswelliaOvalifoliolata*”, **Asian Pacific Journal of Tropical Medicine. 2013. (IF=0.50)**.
44. Madhusudana K, Shireesha B, **Naidu VG**, Ramakrishna S, Narsaiah B, Rao AR, DiwanPV.Anti-inflammatory potential of thienopyridines as possible alternative to NSAIDs.**European Journal of Pharmacology.2012. (IF 2.59)**
45. BidyaDharSahu, Kiran Kumar Reddy Rentam, Uday Kumar Putcha, MadhusudanaKuncha, **Ganga Modi Naidu Vegi**, Ramakrishna Sistla.Carnosic acid attenuates renal injury in an experimental model of rat cisplatin-induced nephrotoxicity. **Food and Chemical Toxicology, 2011. (IF 3.01)**
46. Kamal A, Shaheer Malik M, Bajee S, Azeeza S, Faazil S, Ramakrishna S, **Naidu VG**, Vishnuwardhan MV. Synthesis and biological evaluation of conformationally flexible as well as restricted dimers of monastrol and related dihydropyrimidones. **European journal of medicinal chemistry, 2011. (IF 3.49)**.
47. BodduAnandarao,Ravindra Singh Rajpoot, V.G.M.Naidu, Kolpula Srinivas, Sistla Ramakrishna, Vaidya Jayathirharao. Synthesis and in vitro antitumor activity of new nicotinyrhodanine derivatives. **International Journal of Pharma and Bio Sciences, 2011.(IF 0.67)**
48. SunkaraYashvanth, Robinson A, Suresh Babu, K, **Naidu, V.G. M**,Vishnuvardhan, M V P S, Ramakrishna, S, Madhavendra S S and Rao, J M. Anti-inflammatory and cytotoxic activity of chloroform extract of roots of *SaussurealappaClarke*.**Journal of Pharmacy Research.2010**.
49. AbhinavKanwal, JogenderMehla, MadhusudanaKuncha, **Vegi Ganga Modi Naidu**, Yogendra Kumar Gupta, Ramakrishna Sistla. Anti-Amnesic Activity of *VitexNegundo*in Scopolamine Induced Amnesia in Rats. **Pharmacology & Pharmacy, 2010**.
50. Madhusudana K, **Naidu V.G.M**, Amitav J.C, Joshi R.S,Sachinagawane,Prakash V.Diwan. Protective Effect of “Heptovit” on t-BHP and Paracetamol-induced Hepatotoxicity. **Journal of Pharmacy Research. 2010**.
51. **Ganga Modi Naidu Vegi**, Ramakrishna Sistla, Palaniappan Srinivasan, Sashidhar Rao Beedu, Roop K. Khar and Prakash V Diwan.Emulsifying property of Gum Kondagogu (*Cochlospermumgossypium*): a natural biopolymer. **Journal of the Science of Food and Agriculture. 2009. (IF 1.75)**
52. **Vegi. Ganga Modi Naidu**, KunchaMadhusudhana, BeeduSashidhar Rao. ,Sistla Ramakrishna, Roop K. Khar, Farhan J. Ahmed and Prakash V. Diwan Polyelectrolyte complexes of gum kondagogu and chitosan, as drug carrier. **Carbohydrate polymers .2009. (IF 3.98)**
53. Rajesh Mukthavaram,SrujanMarepally, MahidharY.Venkata., **Naidu V.G.M**, Ramakrishna Sistla, Arabinda Chaudhuri.Cationic glycolipids with cyclic and open galactose head-groups for the selective targeting of genes to mouse liver. **Biomaterials. 2009. (IF: 8.31)**
54. Ch. Srinivas, Ch.N.S. Sai Pavan Kumar, B. China Raju, V. Jayathirtha Rao, **V.G.M. Naidu**, S. Ramakrishna, Prakash V. Diwan. First stereoselective total synthesis and anticancer activity of new amide alkaloids of roots of pepper. **Bioorganic & medicinal chemistry letters.2009. (IF 2.33)**
55. Hymavathi, K. Suresh Babu, **V.G.M Naidu**, S. Rama Krishna, Prakash V Diwan, J. Madhusudanarao. Bioactivity-guided isolation of cytotoxic constituents from stem-bark of *Premnatomentosa* **Bioorganic & medicinal chemistry letters. 2009. (IF 2.33)**

56. Robinson, T. Vijay Kumar, E. Sreedhar, **V.G.M. Naidu**, Sistla Rama Krishna, K. Suresh Babu, P.V. Srinivas and J. Madhusudana Rao. A new sesquiterpene lactone from the roots of *Saussurealappa*: Structure–anticancer activity study. **Bioorganic & medicinal chemistry letters**. 2008. (IF 2.33)
57. Kamal A, Tekumalla V, Raju P, **Naidu V.G.M.**, Diwan PV, Sistla R. Pyrrolo[2,1-c][1,4]benzodiazepine-beta-glucuronide prodrugs with a potential for selective therapy of solid tumors by PMT and ADEPT strategies, **Bioorganic & medicinal chemistry letters** 2008. (IF 2.33)
58. Srinivas Reddy B, Kiran Kumar Reddy R, **Naidu V.G.M.**, Madhusudhana K, Agwane SB, Ramakrishna S, Diwan PV. Evaluation of antimicrobial, antioxidant and wound-healing potentials of *Holoptelea*

#### b) Review Articles: 06

59. Guntuku L, **Naidu VG**, Yerra VGMitochondrial Dysfunction in Gliomas: Pharmacotherapeutic Potential of Natural Compounds. **CurrNeuropharmacol**. 2016
60. Manish Kumar Jeengar, P Sravan Kumar, Dinesh Thummuri, Shweta Shrivastava, LalithaGuntuku, Sistla Ramakrishna, **VGM Naidu\***. Review on emu products for use as complementary and alternative medicine. **Nutrition**, 2014. (IF: 3.04).
61. Manish Kumar Jeengar, Shweta Shrivastava, Veera Ganesh Yerra, **V.G.M. Naidu**, R. Sistla, Ashutosh Kumar. Curcumin: A Pleiotropic Phytonutrient in Diabetic Complications. **Nutrition**, 2014 (IF: 3.04).
62. Swarna.B, Dinesh.Thummuri, LavanyaBinduSree.A, **V.G.M. Naidu\***, Interplay of RANKL in Oxidative Stress Induced Bone Loss. **Current Trends in Pharmaceutical Sciences**, 2014.
63. Laveti D, Kumar M, Hemalatha R, Sistla R, **Naidu VG**, Talla V, Verma V, Kaur N, Nagpal R. Anti-Inflammatory Treatments for Chronic Diseases: A Review. **Inflamm Allergy Drug Targets**. 2013.
64. AretiAparna, Ganesh Yerra,**VGM Naidu**, Ashutosh Kumar. Oxidative stress and Nerve Damage: Role in Chemotherapy Induced Peripheral Neuropathy. **Redox Biology**. 2013

#### c) Letter to the Editors/Magzines/Abstracts :6

65. Manish Kumar Jeengar, Ashutosh Kumar, **VGM Naidu\***. Sugar sweet: the bitter truth. Re. "Sucrose, Fructose and Glucose and their link to metabolic syndrome and cancer". **Nutrition**, 2014. (IF: 3.04).
66. **VGM Naidu\***, S Shrivastava, MK Jeengar, PS Kumar, VS Reddy, SS Reddy Cardamonin suppresses the proliferation of gastric cancer cells by promoting  $\beta$ -catenin degradation. Abstract published in supplementary issue of **European Journal of Cancer**, 2014 50, S9 (IF 5.06).
67. S Shrivastava, MK Jeengar, D Thummuri, **VGM Naidu\***. Piperlongumine inhibits growth potential of gastric cancer cells by targeting PI3K/Akt/mTOR signaling pathway. Abstract Published in supplementary issue of **European Journal of Cancer**, 2014 50, S9.(IF 5.06).
68. VGM Naidu, Wahid Khan, Chella Naveen, YerraVeera Ganesh, Nano Boom: Opportunities in India, Nano Digest, 2013.
69. VGM Naidu, Dinesh Thummuri, HarishankarNemaniCarnosic acid Inhibits Osteoclastogenesis by Up-Regulating the Nrf2 and Suppressing the NF-KB and MAPK Signaling. Indian Journal Of Pharmacology, 2014. (IF 0.67).
70. A Vijay, K Prashanth, A Aparna, Veera Y Ganesh, VGM Naidu, Ashutosh Kumar. *BoswelliaOvalifoliolata* Alleviates Hyperalgesia and Allodynia in Chronic Constriction Injury Induced Neuropathic Pain in Rats. Indian Journal Of Pharmacology, 2014(IF 0.67).

#### CONFERENCES

- S. Shrivastava, P. S. Kumar, M. K. Jeengar, **V. Naidu**. Inhibition of Wnt/ $\beta$ -catenin Pathway by Niclosamide: A Therapeutic Target for Gastric Cancer. **AAPS Annual Meeting and Exposition, Sandiego, USA 2014**

- M. K. Jeengar, R. Vishnu Kiran , S. Shrivastava , N. Chella , **V. Naidu**, R. Sistla. Emu Oil Based Nano-Gel for Transdermal Delivery of Curcumin to Treat Chronic Inflammatory Diseases. **AAPS Annual Meeting and Exposition, Sandiego, USA 2014**
- **Y Samyuktha**, Prashanth K, AparnaAreti, Shweta Shrivastava, Manish Jeengar, Ramakrishna S & Naidu V.G.M..The abstract on “*In vitro* and *in vivo* protective effects of ethyl acetate extract from leaves of *Memecylonsisparens* Gamble against oxidative stress induced organ toxicity” for posture presentation was accepted at **45<sup>th</sup> Annual Conference of Indian Pharmacological Society and International Conference on Navigating Pharmacology towards Safe and Effective Therapy. IPSCON-2012.Nagpur.**
- G.Jagdeesh, B.Ram Kumar, Shweta Shrivastava, **V.G.M. Naidu**, K. Srinivas, V.J. Rao. Design, synthesis and biological evaluation of novel s-Triazine derivatives as PI3K inhibitors.**In international symposium on Chemistry and Chemical Biology of Natural Products (CCBNP), held from 2 August to 4 August, 2012 at IICT, Hyderabad, A.P.-500037**
- S.Srinivas, Sai pavankumar, E.Srihari, Shweta Shrivastava, **V.G.M. Naidu**, K. Srinivas, V.J. Rao. Stereoselective synthesis and anticancer activity of Fuzanins.**In international symposium on Chemistry and Chemical Biology of Natural Products (CCBNP), held from 2 August to 4 August, 2012 at IICT, Hyderabad, A.P.-500037**
- Karmarajsinh J. Chudasama, Shalini, Nekkanti, Manish Kumar Jeengar, **V. G. M. Naidu**, VunnamSrinivasulu, Ahmed Kamal and NagulaShankaraiahMolecular design, synthesis, DNA binding affinity and cytotoxicity of tetrahydro- $\beta$ -carboline-hydantoin hybrids.
- **Aparna**, U Mahesh, Shweta, Y. Samyuktha, K. Madhusudhana, S.Ramakrishna&**V.G.M.Naidu**.Antioxidant and Hepatoprotective activity of alcoholic extract of *Boswelliaovalifoliolata*. **In the 3rd Biennial International Conference on New Developments in Drug Discovery from Natural Products and Traditional Medicines held from 22 November to 24 November, 2012 at National Institute of Pharmaceutical Education and Research (NIPER) SAS Nagar, Mohali, Punjab-160062**
- *In vitro* and *In vivo* Biocompatibility studies of novel hydrogel formulated by co-acervation method using Gum kondagogu (*Cochlospermumgossypium*) and chitosan as polyelectrolytes” Anudeep Kota, Bandari Uma Mahesh, S.Ramakrishna, Uday Kumar and **V.G.M.Naidu 2012 AAPS-NUS 7th PharmSci@Asia Symposium.**
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## RESEARCH PROJECTS SANCTIONED

<u>Principal Investigator</u>	Novel inhibitors of the PI3K-Akt-mTOR pathway: Structure based approach for lead optimisation.	DBT-SBIRI	<u>Sanctioned</u> <u>(2014)</u>
<u>Co-Investigator</u>	To evaluate the role AMPK mediated signal transduction in models of chemotherapy induced peripheral neuropathy (CIPN) using pharmacological approaches (collaboration with University of Manchester, UK)	<u>DST-UKIERI</u>	<u>Sanctioned</u> <u>(2013)</u>
<u>Co-Investigator</u>	Targeting Neuroinflammation, oxidative stress and PARP overactivation in experimental model of neuropathic pain	<u>DBT-NE</u>	<u>Sanctioned</u> <u>(2013)</u>



<u>Principal Investigator</u>	DESIGN AND FABRICATION OF EphA2 RECEPTOR TARGETING LIPID-POLYMER HYBRID PARTICLES FOR SENSITIZING BREAST CANCER STEM CELLS TO ENHANCE THE EFFICIENCY OF CHEMOTHERAPY	<u>DST Fast Track</u>	<u>2015</u>

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