

PUBLICATIONS

Patent Filed (India)

Indian Patent Application No. 2935/CHE/2014 dated 16.6.2014 on “*Cyclooxygenase-2 and/or 5-Lipoxygenase inhibitory dammarane triterpenoid 1 and other secondary metabolites of Borassus flabellifer seed coat for prevention and therapy of Cancer*” in the names of 1) **NAGENDRA SASTRI YARLA** 2) GOVINDA RAO DUDDUKURI 3) DSVGK KALADHAR

Journal Publications

Nagendra sastry Yarla, A Rajaram, Mahaboob Basha, Abdul Rajack, D. S. V. G. K. Kaladhar, Bharat Kumar Allam, Rajeswara Rao, Krishna Nand Singh, K Sunanda Kumari, P Reddanna, Umadevi Parimi, Anupam Bishayee, D Govinda Rao: *5-Lipoxygenase and Cyclooxygenase Inhibitory Dammarane Triterpenoid 1 from Borassus flabellifer Seed Coat Inhibits Tumor Necrosis Factor- α Secretion in LPS-Induced THP-1 Human Monocytes and Induces Apoptosis in MIA PaCa-2 Pancreatic Cancer Cells*. *Anti-Cancer Agents in Medicinal Chemistry (Formerly Current Medicinal Chemistry - Anti-Cancer Agents)* 02/2015; 15(8):1066. (**Impact factor 2.77**)

Nagendra Sastry Yarla, Anupam Bishayee, Gautam Sethi, Pallu Reddanna, Arunasree M. Kalle, Bhadrappura Lakkappa Dhananjaya, Kaladhar S.V.G. Dowluru, Ramakrishna Chintala, Govinda Rao Duddukuri: *Targeting arachidonic acid pathway by natural products for cancer prevention and therapy*. *Seminars in Cancer Biology* 03/2016; DOI:10.1016/j.semcancer.2016.02.001 (**Impact factor 9.955**)

Nagendra sastry Yarla, Anupam Bishayee, Lakshmipathi Vadlakonda, Ramakrishna Chintala, Govinda Rao Duddukuri, Pallu Reddanna, D.S.V.G.K. Kaladhar: *Phospholipase A2 Isoforms as Novel Targets for Prevention and Treatment of Inflammatory and Oncologic Diseases*. *Current Drug Targets* 07/2015; DOI:10.2174/1389450116666150727122501 (**Impact factor 3.02**).

Conference presentations

Y. Nagendra Sastry, Anupam Bishayee, D.S.V.G.K. Kaladhar, A. Bharat Kumar, P. Umadevia, P. Swathie, P.D. Chandrasaif and D. Govinda Rao. *Dammarane triterpenoid 1 induces apoptosis in human prostate carcinoma DU145 cells via intrinsic pathway*. (Presented in 1st International Conference on Natural Products for Cancer Prevention and Therapy, Istanbul Turkey During Aug 31-Sep 2, 2015).

The proceeding of the conference was published in *Anti-Cancer Drugs*, 2015, 26 (suppl 1), e31. (**Impact factor 1.78**).

Nagendra Sastry Yarla, Govinda Rao Duddukuri. *Novel 5-LOX and COX-2 Dual Inhibition by the Seed Coat of Borassus flabellifer In relation to Inflammation and Cancer*. Indian Immunology Society CME & National Seminar on “Immune Interface of Host-Pathogen Interactions” conducted at Andhra University, Visakhapatnam, India (7th-8th December, 2013).

Other publications

Jerzy Leszek, Elzbieta Trypka, Euphrosyni Koutsouraki, Dimitrios Michmizos, **Nagendra Sastry Yarla**, Ghulam Md Ashraf, Gjumrakch Aliev: *Late-life depression and Alzheimer disease: a potential synergy of the underlying mechanisms*. Current Medicinal Chemistry 09/2016;

Da-Yong Lu, Ting-Ren Lu, Bin Xu, Rong-Xin Qi, **Nagendra Sastry Yarla**, Xiao-Die Zhou, Jian Ding: *Cancer Metastasis, a Clinical Dilemma for Therapeutics*. Current Drug Therapy 08/2016;

Deepak KGK, Nageswara Rao Reddy N, **Nagendra Sastry Yarla**, Bhadrappura Lakkappa Dhananjaya, Da-Yong Lu, Mohammad A. Kamal, Surekha Challa: *Current Status of Medicinal Plants with Alpha Glucosidase Inhibitors: Possible Therapeutic Intervention for Diabetes Mellitus*. Current Medicinal Chemistry 08/2016;

Da-Yong Lu, Hong-Ying Wu, Jian Ding, **Nagendra Sastry**, Ting-Ren Lu: *HIV Vaccine for Prevention and Cure, A Mission Possible*. Reviews on Recent Clinical Trials 07/2016; 11(999). DOI:10.2174/1574887111666160729103440

Arunasree M. Kalle, Ravinder Doneti, Gangappa Dharmapuri, Roy R. Karnati, **Nagendra Sastry Yarla**, Michael Wiese: *Celecoxib inhibits doxorubicin-induced expression of MRP-1, MRP-3 and ABCA2 efflux pumps in drug resistant HepG2 hepatocellular carcinoma cells*. Anti-cancer agents in medicinal chemistry 07/2016;

B E Ravi Shankara, Y. L. Ramachandra, Sundara Rajan S, P S Sujana Ganapathy, **Nagendra Sastry Yarla**, S. A. Richard, Bhadrappura Lakkappa Dhananjaya: *Evaluating the Anticancer Potential of Ethanolic Gall Extract of Terminalia chebula (Gaertn.) Retz. (Combretaceae)*. Pharmacognosy Research 07/2016; 8(3). DOI:10.4103/0974-8490.182919

Kishore V, N S Yarla, Zameer F, Nagendra Prasad MN, santosh MS, S S More, D G Rao, Bhadrappura Lakkappa Dhananjaya: *Inhibition of Group IIA Secretory Phospholipase A2 and its Inflammatory Reactions in Mice by Ethanolic Extract of Andrographis paniculata, a Well-known Medicinal Food*. Pharmacognosy Research 07/2016; 8(3). DOI:10.4103/0974-8490.182916

Kishore V, **Nagendra Sastry Yarla**, Anupam Bishayee, Swathi Putta, Ramarao Malla, Nageswara Rao Reddy Neelapu, Surekha Challa, Subhasish Das, Yallappa Shiralgi, Gurumurthy Hegde, Bhadrappura Lakkappa Dhananjaya: *Multi-targeting Andrographolide and its natural analogs as potential therapeutic agents*. Current Topics in Medicinal Chemistry 06/2016;

Swathi Putta, **Yarla NS**, Kilari EK, Challa Surekha, Gjumrakch Aliev, Divakara MB, Santosh MS, Ramith Ramu, Farhan Zameer, Nagendra Prasad MN, Ramakrishna Chintala, Rao PV, Yallappa Shiralgi, Dhananjaya BL: *Therapeutic Potentials of Triterpenes in Diabetes and its Associated Complications*. Current Topics in Medicinal Chemistry 04/2016; 16(999). DOI:10.2174/1568026616666160414123343

Srinivasa Rao Pedada, **Nagendra Sastry Yarla**, Pawan J. Tambade, Bhadrappura Lakkappa Dhananjaya, Anupam Bishayee, Kalle M. Arunasree, Gundala Harold Philip, Gangappa Dharmapuri, Gjumrakch Aliev, Swathi Putta, Gururaja Rangaiyah: *Synthesis of new secretory phospholipase A2-inhibitory indole containing isoxazole derivatives as anti-inflammatory and anticancer Agents*. European Journal of Medicinal Chemistry 04/2016; 112. DOI:10.1016/j.ejmech.2016.02.025

Swathi Putta, **Nagendra Sastry Yarla**, Eswar Kumar Kilari, Challa Surekha, Gjumrakch Aliev, Madhihalli Basavaraju Divakara, Mysore Sridhar Santosh, Ramith Ramu, Farhan Zameer, Nagendra Prasad MN, Ramakrishna Chintala, Pidugu Vijaya Rao, Yallappa Shiralgi, Bhadrappura Lakkappa Dhananjaya: *Therapeutic Potentials of*

Triterpenes in Diabetes and its Associated Complications. Current Topics in Medicinal Chemistry 03/2016; 16(23).

Siva Kumar Korada, **Nagendra sastry Yarla**, Anupam Bishayee, Gjumrakch Aliev, Aruna Lakshmi K, Arunasree MK, Bhadrappura Lakkappa Dhananjaya, Vijendra Mishra: *Can Probiotics Cure Inflammatory Bowel Diseases?*. Current Pharmaceutical Design 02/2016; 22(7). DOI:10.2174/1381612822666151209153249

Bhagavathula S. Diwakar, B. Govindh, **Yarla Nagendra Sastry**, D. S. V. G. K. Kaladhar, Y. L. N. Murthy: *Synthesis, X-ray characterization and biological evaluation of some new 2-(4-methy-2-oxo-2H-chromen-7yloxy) acetamide derivatives*. Medicinal Chemistry Research 08/2014; DOI:10.1007/s00044-014-1230-7

Y L N Murthy, K P Suhasini, A S Pathania, S Bhushan, **Y Nagendra Sastry**: *ChemInform Abstract: Synthesis, Structure Activity Relationship and Mode of Action of 3-Substitutedphenyl-1- (2,2,8,8-tetramethyl-3,4,9,10-tetrahydro-2H,8H-pyrano [2,3-f]chromen-6-yl)-propenones as Novel Anticancer Agents in Human Leukaemia HL-60 Cells.* European Journal of Medicinal Chemistry 08/2013; 44(33). DOI:10.1002/chin.201333162