➢ Publications :

Among several publications in different peer reviewed and international journals, about 10 important publications were selected and listed below:

1. Design, synthesis and biological evaluation of new β-carboline-bisindole compounds as DNA binding, photocleavage agents and topoisomerase inhibitors. (2018) Jeshma Kovvuri , Burri Nagaraju, V. Lakshma Nayak, Ravi kumar Akunuri, M.P.Narasimha Rao, Ayyappan Ajitha, **Narayana Nagesh*,** Ahmed Kamal*. *European Journal of Medicinal Chemistry.* Volume 143, 1563-1577. (IF- 6.5).

2. Synthesis of podophyllotoxin linked β-carboline congeners as potential anticancer agents and DNA topoisomerase II inhibitors. (2018) Manda Sathish, Botla Kavitha, V. Lakshma Nayak, Yellaiah Tangella, Ayyappan Ajitha, Shalini Nekkanti, Abdullah Alarifi, Nagula Shankaraiah, **Narayana Nagesh***, Ahmed Kamal*. *European Journal of Medicinal Chemistry*. Volume 144, 557-571. (IF- 6.5).

3. Novel amphiphilic G-Quadruplex binding synthetic derivative of TMPyP4 and its effect on cancer cell proliferation and apoptosis induction (2018) Ushasri Chilakamarthi, Koteshwar Devulapally, Sudhakar Jinka, Vamsi Krishna Narra, Kathyayani Sridharan, **Narayana Nagesh,*** Lingamallu Giribabu.* *ACS-Biochemistry*, *57* (46), 6514-6527. DOI: 10.1021/acs.biochem.8b00843 (IF- 3.2).

4. Telomerase inhibition and human telomeric G-quadruplex DNA stabilization by a β-carboline–benzimidazole derivative at low concentration.(2017) Kranthikumar Yadav, Penchala Narasimha Rao Meka, Sudeshna Sadhu, Sravanthi Devi Guggilapu, Jeshma Kovvuri, Ahmed Kamal, Ragampeta Srinivas, Panuganti Devayani, Bathini Nagendra Babu, and **Narayana Nagesh***. *ACS Biochemistry*, 56 (33), 4392–4404. DOI: 10.1021/acs.biochem.7b00008. (IF-3.2).

5. Design and Synthesis of β-carboline linked aryl sulfonyl piperazine derivatives: DNA topoisomerase II inhibition with DNA binding and apoptosis inducing ability.(2020) Kesari Lakshmi Manasa, Sowjanya Thatikonda, Dilep Kumar Sigalapalli, Arpita Sagar, Gaddam Kiranmai, Arunasree M Kalle, Mallika Alvala, Chandraiah Godugu*, **Narayana Nagesh*,** Bathini Nagendra Babu*. *Bioorganic Chemistry*. (IF- 4.8)

6. Synthesis, DNA binding affinity and anticancer activity of novel 4Hbenzo[g][1,2,3]triazolo [5,1-c][1,4]oxazocines. (2016) K. N. Visweswara Sastry, Sunitha Routhu, Soma Gupta Datta, **Narayana Nagesh,*** Bathini Nagendra Babu, Jagadeesh Babu Nanubolu, C. Ganesh Kumar, Ram Awatar Maurya* and Ahmed Kamal*. *Organic Biomolecular Chemistry*, 14, 9294–9305. (I.F- 3.9).

7. Sugar-boronate ester scaffold tethered pyridylimine palladium(II) complexes: Synthesis and their in vitro anticancer evaluation. (2015) Eda Rami Reddy, Rajiv Trivedi*, Akella Venkata Subrahmanya Sarma, Balasubramanian Sridhar,Hasitha Shilpa Anantharaju,Dharmarajan Sriram, Perumal Yogeeswari, **Narayana Nagesh***. *Dalton Transactions*, 44,17600-17616. (IF- 4.2).

8. A dihydroindolizino indole derivative selectively stabilizes G-quadruplex DNA and down regulates c-MYC expression in human cancer cells. (2015) **Narayana Nagesh***, G. Raju, R. Srinivas, P. Ramesh, M. Damoder Reddy, Ch. Raji Reddy. *Biochimica et Biophysica Acta (BBA)-General Subjects*, 1850(1), 129-140. (IF-4.4).

9. Biological Studies of Chalcogenolato-Bridged Dinuclear Half-Sandwich Complexes. (2013) Justin P Johnpeter, Gajendra Gupta, Jerald Mahesh Kumar, Gunda Srinivas, **Narayana Nagesh***, Bruno Therrien*. *ACS- Inorg. Chem.*, 52 (23), 13663-13673. doi: 10.1021/ic4022307. (IF-5.2).

10. Studies on the site and mode of TMPyP4 interactions with Bcl -2 Promoter Sequence G-quadruplexes. (2010) **Narayana Nagesh***, Robert Buscaglia, Jamie M. Dettler and Edwin A. Lewis*. *Biophys J*. 98 (11), 2628-2633. (IF-4.0).