List of 10 important publications in the reverse chronological order and its importance. My role and contribution as a corresponding author in each paper:

S.No.	Paper details	Purpose of the study and my role in the study
1.	A Hydrogen Bonded Non-Porous Organic-Inorganic Framework for Measuring Cysteine in Blood Plasma and Endogenous Cancer Cell. (2024) Ghosh, Riya, Pradhan, Debjani, Debnath Snehasish, Mansingh, Arushi, **Nagesh, Narayana***, Chatterjee, Pabitra*. Chemistry - A European Journal. DOI: 10.1002/chem.202401255, e202401255.	My role in this part of the study is, to find the localization of Cysteine in cells. Further I am in the studies involving the estimation of Cysteine in various biological samples.
2.	Design, synthesis of DNA-interactive 4-thiazolidinone-based indolo-/ pyrroloazepinone conjugates as potential cytotoxic and topoisomerase I inhibitors. (2022) Manasa Kadagathur, Sandip Patra, Geetanjali Devabattula, Joel George, Regur Phanindranath, Arbaz Sujat Shaikh, Dilep Kumar Sigalapallia Chandraiah Godugu, **Narayana Nagesh***, Neelima D.Tangellamudi, Nagula Shankaraiah*. *European Journal of Medicinal Chemistry*, 238, 114465.	Studies to know the role of indolo-/ pyrroloazepinone conjugates as anti-cancer molecules. Biophysical and biochemical assays, Cytotoxicity and Topo-I inhibition studies were done under my supervision.
3.	A unique water soluble probe for measuring the cardiac marker homocysteine and its clinical validation.(2022) Snehasish Debnath,Ratish R. Nair,Riya Ghosh, Gaddam Kiranmai,Narsini Radhakishan, **Narayana Nagesh*** and Pabitra B. Chatterjee*. *Chem Comm.,* 58, 9210 - 9213.	Fluorescence studies to identify and quantitate the molecule and clinical studies were done under my supervision in my lab.
4.	Novel Amphiphillic 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* 2018 57 (46), 6514-6527. DOI: 10.1021/acs.biochem.8b00843.	The aim is to understand the role of modified TMPyP4 as anti-cancer molecule. Complete biophysical and biochemical assays, cytotoxicity and other assays were done under my supervision in my lab.
5.	Telomerase inhibition and human telomeric G-quadruplex DNA stabilization by a ß-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.	Role of ß-carboline–benzimidazole derivative in G-quadruplex DNA stabilization and study its role as anti-cancer molecule. All the biophysical and biochemical assays reported in this paper were done in my lab under my supervision.
6.	Sugar-boronate ester scaffold tethered pyridyl -imine 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.	Sugar-boronate ester scaffold tethered pyridyl imine palladium(II) complexe's role in cancer cure. All the biophysical and biochemical assays reported in this paper were done in my lab under my supervision.

7.	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.	The aim of this study is to understand, the role of dihydroindolizino indole derivative in selectively stabilizing G-quadruplex DNA and cancer cure. All the biophysical and biochemical assays reported in this paper were done in my lab under my supervision.
8.	Synthesis of ß -carboline-benzimidazole conjugates using lanthanum nitrate as a catalyst and their biological evaluation. (2014) Ahmed Kamal,* M. P. Narasimha Rao, P. Swapna, Vunnam Srinivasulu, Chandrakant Bagul, Anver Basha Shaik, Kishore Mullagiri, Jeshma Kovvuri, *K.Vidyasagar* and **Narayana Nagesh*** , 12, 2370-2387. *Organic & Biomolecular Chemistry.*	Role of ß -carboline-benzimidazole conjugates as anti-cancer molecules. All the biophysical and biochemical assays reported in this paper were done in my lab under my supervision.
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.	Studies on Chalcogenolato-Bridged Dinuclear Half-Sandwich Complexes in curing cancer. All the biophysical and biochemical assays reported in this paper were done at Dept of chemistry, Neuchâtel, Switzerland, under my supervision.
10.	Phenyl-1,2,3-triazole thymidine ligands stabilize G-quadruplex DNA, inhibit DNA synthesis and potentially reduce tumor cell proliferation over 3'-Azido deoxythymidine. (2013) Jerald Mahesh Kumar, Mohammed M Idris, Gunda Srinivas, Pallerla Vinay Kumar, Vuppalapaty Meghah, Mitta Kavitha, Raji Reddy, Prathama S. Mainkar, Biswajit Pal, Srivari Chadrasekar, **Narayana Nagesh*.** *PLoS ONE* 8(8) : e70798. doi:10.1371 /journal. pone.0070798.	The study is aimed at stabilization of G-quadruplex DNA by Phenyl-1,2,3-triazole thymidine ligands and its role as anti-cancer molecule. All the biophysical and biochemical assays reported in this paper were done in my lab under my supervision.