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- Research Abstract (Not more than 100 words: Breast cancer is the most frequent cancer among women, impacting 2.1 million women each year, and also causes the greatest number of cancer-related deaths among women. In 2018, it is estimated that 627,000 women died from breast cancer – that is approximately 15% of all cancer deaths among women. The two most common types of breast cancer are ductal and lobular carcinoma named after their origin in breast tissue. Ductal carcinomas make 85% to 90%, and whereas, 8% are lobular breast cancers. Several clinical studies have demonstrated women with hormone receptor (HR)-positive tumors have survival advantage by treatment with adjuvant hormonal and/or chemotherapeutic regimens. The focus of our research work is on the *in-silico* design development and synthesis of some novel Oxazine derivatives, which might solve the problems associated with the known chemotherapeutic agents and offer advantages as target specific against breast cancer. The present project, therefore, aims at design, synthesis, characterization and evaluating such novel oxazine substituted anilinoacridins lead molecules against breast cancer activity using suitable *in vitro* and *in vivo* models.

Fellowships: Govt/Non-Govt-N/A

Awards & Scholarships (Top 5 of your achievements in short bullet points):

- Won 2 nd prize in Quiz in inter college competitions, Osmania university, Hyderabad
- I received Fee reimbursement from AP Govt & Telangana Govt

Way Forward: In next 5 years I will complete Ph.D. and join as Post-doc fellow.