

## **STUDENT PROJECTS:**

### **Post graduate thesis supervisor**

- 1) Mr. Gautham. R (Reg. No.: 161702015) M.Sc. Medical Biotechnology, "Modulation of Autophagy Mediated Radioresistance Using Plant Derived Alkaloid, Berberine: An in vitro Study using Human Hepatocellular Carcinoma (HepG2) Cell Line" 2018.
- 2) Ms. Shivani Shirish Tendulkar, (Reg. no: 141703006) MSc Molecular Biology and Human Genetics, "Project Thesis Title: Antagonism of Autophagy related Chemo-resistance with Natural Polyphenolic Inhibitors" 2016.
- 3) Ms. Vani Patel, (Reg No. 141703014) M.Sc Molecular Biology and Human Genetics, "Dual Drug loaded Polymeric Nano-vector to Vanquish Resistant Human Gliomas: An In vitro Investigation" 2016.
- 4) Ms. Valita Lobo (Reg No. 121703011), M. Sc. MBHG, "Role of single nucleated polymorphism in breast cancer predisposition", 2014.
- 5) Ms. Ajantha Paul (Reg No: 101702023), M.Sc. (Medical Biotechnology), Role of Flavonoids in Amelioration of Mitochondrial Dysfunction Induced by Mercury Toxicity: An In Vitro Study Using HepG2 Cells, 2013.
- 6) Mr. Vishnu Chandran, (Reg No: 101702016) M.Sc. (Medical Biotechnology), "Influence of tetrathiomolybdate on the Radiosensitizing effect of cisplatin under Oxic and hypoxic conditions, 2012.
- 7) Mr. Vishnu Mohan (Reg No: 091703001) M Sc. MBHG, "Influence of hydroxytyrosol, a dietary phenolic compound on methyl mercury induced toxicity in human neuroblastoma cells".2011.
- 8) Mr. Shubhankar Das (Reg No: 081703006) M Sc. MBHG, "Cytoprotective potential of mangiferin against methylmercury induced toxicity in imr-32 cells" 2010.
- 9) Ms.Sreedevi. M.V, (Reg No: 060153005), MSc MB, "Cytoprotective and anti-genotoxic effects of flavonoids and a glucosylxanthone on cadmium induced toxicity in hepg2 cell line" -2008.

### **Undergraduate thesis supervisor**

- 1) Ms. Harithaa Anandakumar (Registration No:151701004) B. Sc Biotechnology, "An in vitro Investigations on the Premature Senescence Inducing Potential of UV-C Radiation and It's Plausible Amelioration Using Dietary Polyphenol: Naringenin" 2018.
- 2) Ms. Apoorva Rao (Registration No: 151701002) B.Sc Biotechnology, "elucidation of neuroprotective role of citrus flavonoid - hesperidin Against methylmercury induced cognitive impairment in adult swiss albino mice" 2018.
- 3) Ms. Yashasvi M. J (Registration No: 141701080 ) B.Sc Biotechnology, "Understanding the Mechanisms of Chemosensitization Effect of Thymoquinone in Temozolomide-Resistant Human Gliomas: A Plausible Role of Autophagy" 2017.
- 4) Ms. K.A.Sajida, (Reg no:121701038) B.Sc Biotechnology "Polymeric Magnetite Nano composite of Geldanamycin Against Breast Cancer Xenograft : An in vivo Investigation" 2016

- 5) Mr. Greg Jude Dsilva, (Reg No: 131701028) B.Sc Biotechnology, "Project Thesis Title: Harnessing the Anti-autophagic Properties of Polyphenolic Compounds in Enhancing Cancer Radiotherapy" 2016.
- 6) Ms. Rashi Kanoi, (Reg No: 1217010282) B.Sc. Biotechnology,"Role of mangiferin in mitigating hydrogen peroxide induced premature senescence " 2015.
- 7) Ms. Grusha Primal Mathias, (Reg No: 121701012) B.Sc. Biotechnology," Understanding the chemotherapy induced normal tissue toxicity and its association with candidate SNPs" 2015.
- 8) Ms. Moushumi Goswami,(Reg No. 111701058), B.Sc. Biotechnology," Influence of selected gene variants on the chemotherapy and radiotherapy induced normal tissue toxicity in breast cancer patients" 2014.
- 9) Ms. Preeta Ananthanarayanan, (Reg No: 111701018 ) 3rd Year, B.Sc Biotechnology, "Engineering of Pegylated Superparamagnetic Iron Oxide Nanoparticle Conjugated Geldanamycin Against Breast Cancer Cells", 2014
- 10) Ms. Geetika Datta (Reg. No. 101701015) "Genetic Predictors Of Chemo radiotherapy Induced Acute Skin Toxicities" 2013.
- 11) Ms. Pooja Sridhar (Reg. No. 101701006) "Analysis of SOD, GST and TGF- $\beta$ 1 Plasma Levels, Their Single Nucleotide Polymorphisms and its Association with Radiotherapy Induced Adverse Reactions in Cancer Patients" 2013.
- 12) Mr. Harshith (Reg. No. 091701032) Role of Thymol in Mitigating Mercury Induced Cytotoxicity in Hepato-cellular Carcinoma (HepG2) Cells: A Post Treatment Scenario" 2012.
- 13) Mr. Visesh Kr Rathi, (Reg. No. 081701036) B "Cytoprotective potential of naringin, a flavanone, against cadmium chloride induced toxicity in hepatocarcinoma cell lines" 2011.
- 14) Mr. Nishan B S (Reg. No. 071701002) "Cytoprotective effect of Thymol on Mercuric chloride induced cytotoxicity and genotoxicity- in vitro study" 2010.
- 15) Mr. Kasi Viswanadh. E (Reg. No. 060147058) "Biotechnology, Cadmium genotoxicity and changes in antioxidant enzymes influenced by mangiferin in swiss albino mice.2009
- 16) Mr. Kaivalya Mudholkar (Reg. No. 060147023) "Influence of mangiferin on mercuric chloride induce genotoxicity and apoptotic cell death in human hepatoma (HepG2) cells" 2009.
- 17) Ms. Shobhika Agarwala, (Reg. No. ) "Modulation of mercuric chloride cytotoxicity by Mangiferin in human liver carcinoma (Hep G2) cells" 2009.
- 18) Ms. Debashree Goswami, (Reg. No. 050147024) "Biotechnology, "Study of the cytotoxic effect of Juglone, a naphthoquinone against estrogen positive and estrogen negative breast cancer cells" 2008.
- 19) Mr. Ishan Khanna (Reg. No ) "Study of spectral changes in osteoporotic bone obtained from ovariectomised mice using fluorescence spectroscopy and validation by biochemical and histological parameters" 2008.
- 20) Ms. Shalini, (Reg. No. 040147039) "Study of osteoporosis in ovariectomized mice with Raman Spectroscopy" 2007.