

## Dr. Pearl Augustine

**Designation:** Assistant Professor

**Academic qualifications:** M.Sc,PhD

### **Research Projects:**

- A minor project entitled "Synthesis and Photophysical Properties of fluorescent Chitosan" funded by the **University Grants Commission (UGC)**, India. (**Total Grant Rs. 90,000/-**)

### **Research interests:**

- Electrochemical sensors
- Biosensors

**Teaching experience:** 4 years

### **List of Publications (Last 5 years)**

1. K. Girish Kumar, Sareena John, RemalakshmyPoduval and **Pearl Augustine**, "*Electrochemical determination of terazosin in pure form and in dosage forms*", **The Chinese Pharmaceutical Journal**, 57, 29 (2005).
2. K. Girish Kumar, **Pearl Augustine**, RemalakshmyPoduval and Sareena John, "*Voltammetric studies of sparfloxacin and application to its determination in pharmaceuticals*", **Pharmazie**, 61(4),291 (2006).
3. K. Girish Kumar, RemalakshmyPoduval, Sareena John and **Pearl Augustine**, "*A PVC plasticized membrane sensor for nickel ions*", **MicrochimicaActa**, 156, 283 (2006).
4. K. Girish Kumar, RemalakshmyPoduval, **Pearl Augustine**, Sareena John and Beena S., "*A PVC plasticized sensor for Ni (II) ion based on a simple ionophore*", **Analytical Sciences**, 22(10), 1333 (2006).
5. K. Girish Kumar, Sareena John, **Pearl Augustine**, RemalakshmyPoduval and Beena S., "*A novel mebendazole selective membrane sensor and its application to pharmaceutical analysis*", **Analytical Sciences**, 23(3),291 (2007).
6. K. Girish Kumar, **Pearl Augustine** and Sareena John, "*A novel potentiometric sensor for the determination of nimesulide*". **PortugaliaeElectrochimicaActa**, 25(3), 375-381 (2007).

7. K. Girish Kumar, **Pearl Augustine**, Sareena John, JerziRadecki and Hanna Radecka, "Fabrication of potentiometric sensors for the selective determination of Ketoconazole", *Analytical Letters*, 41(7), 1144-1157(2008).

### **Seminar/Symposia**

1. Differential Pulse Voltammetric Determination of Sparfloxacin in Pure Form and in Dosage Forms, Proc. *National seminar on Emerging Trends and New Vistas in Chemistry*, Calicut University, Kerala, India 2005.
2. Fabrication of a Novel Potentiometric Sensor for the Determination of Terazosin Proc. *National seminar on Emerging Trends and New Vistas in Chemistry*, Calicut University, Kerala, India 2005.
3. A novel Manganese selective plasticized membrane sensor using a Schiff base as ionophore Proc. *National seminar on Emerging Trends and New Vistas in Chemistry*, Calicut University, Kerala, India 2005).
4. Fabrication of a PVC membrane sensor for the determination of nimesulide in pharmaceutical formulation Proc. *National Seminar on Frontiers in Chemistry*, Cochin University of Science and Technology, Kochi, India, 2006.
5. Fabrication of a novel tetracycline membrane sensor and its application to pharmaceutical analysis Proc. *National Seminar on Frontiers in Chemistry*, Cochin University of Science and Technology, Kochi, India, 2006.
6. Fabrication of a nickel ion sensor, Proc. *National Seminar on Frontiers in Chemistry*, Cochin University of Science and Technology, Kochi, India, 2006.