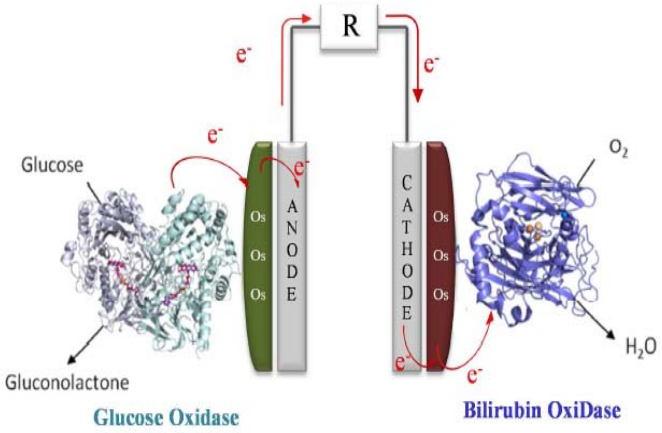
SINDHU KR, Ph.D. Student
Inserm, BioTis (U1026)

Thesis work
BIOcompatible and BIOfunctional porous electrodes for miniaturized enzymatic BIOfuel cells.

Research Interests:

I aspire to be a leading research scientist while contributing towards research and development in biocompatability studies. I am currently working on developing the BIOcompatible and BIOfunctional porous electrodes for miniaturized enzymatic BIOfuel cells. The most important aim of this project is to assess and improve the biocompatibility and the biofunctionality of the integrated BFC, both *in-vitro* and *in-vivo*. *In vivo* tests will be performed in subcutaneous tissue and muscles to gain information about BFC behavior and tissue reactions induced in these different environments.



Keywords/expertise :

- Animal cell culture
- Molecular techniques
- Histology
- Animal handling
- Biomechanical testing
- Biocompatability studies
- Development of animal models
- Formulation development

Publications:

Kharbikar BN, Kumar S Harish, **Kr Sindhu**, Srivastava R, editors. Hollow silicon microneedle array based trans-epidermal antiemetic patch for efficient management of chemotherapy induced nausea and vomiting2015.

Teaching Activities:

I was appointed as a lecturer in the department of pharmacology at East West College of Pharmacy, Bangalore.

Awards:

Selected for 'Nadipuram Scholarship Project' under the guidance of
Dr. G. Jagadeesh (Division of Cardiovascular and Renal Products, US-FDA) with scholarship – Rs. 10,000

Education:

2011-13	Masters of science in Pharmacology	Rajiv Gandhi Unversity, Government college of Pharmacy-Bangalore,India
2008-11	Bachelors of Pharmacy	Rajiv Gandhi Unversity, Government college of Pharmacy-Bangalore,India

Links:

https://in.linkedin.com/in/sindhukr