

## **Kavishankar Gawli, PhD., PDF (Canada)**

Department of Life Sciences  
Central University of Karnataka  
Contact No. +91 8762369490  
E-mail: [kavigawli@gmail.com](mailto:kavigawli@gmail.com)  
[kavishankar@cuk.ac.in](mailto:kavishankar@cuk.ac.in)



---

### **PROFILE**

Disciplines Trained In : Biochemistry, Molecular Biology, Pharmacology, Microbiology  
Research Disciplines : Physiology, Endocrinology, Molecular Biology, Biochemistry  
Area of Research : Diabetes  
Fields of Application : Biomedical Aspects of Human Health  
Research Specialization : Drug Discovery, Drug Innovation, Signal Transduction, Glucose Homeostasis, Diabetes, Metabolic Peptides, Proteomics  
Countries : Canada, India, Sweden

### **DEGREES**

2012 – 2015 : Doctor of Philosophy, Biochemistry, University of Mysore, India  
2010 : Certificate, Pre-PhD, Biochemistry, Umea University, Sweden  
2007 – 2009 : Master's, Biochemistry (Distinction), University of Mysore, India  
2004 – 2007 : Bachelor's, Biochemistry, Botany, Microbiology (Distinction),  
University of Mysore, India

### **RESEARCH**

SHRF Postdoctoral Scholar, University of Saskatchewan, Canada  
*Diabetes, Obesity and Metabolic Peptides*

Doctoral, University of Mysore, India  
*Diabetes Drug Discovery*

Pre-Doctoral Student, Umea University, Sweden  
*Protein Chemistry*

Project Fellow, University of Mysore, India  
*Diabetes*

### **AWARDS AND FELLOWSHIPS**

KSET for Assistant Professor, India 2018  
Early Career Forum Travel Award, ENDO 2017, Florida, USA. 2016 - 17  
Saskatchewan Health Research Foundation (SHRF) Postdoctoral Fellowship, Canada 2015 - 17  
Letter of Appreciation in Teaching, University of Mysore, India 2011 & 2014  
Poster Presentation, International Conference on Diabetes (EICD), India 2012  
PhD Fellowship (Major Research Project), UGC, India 2011

## INTERNATIONAL COLLABORATION ACTIVITIES

Collaborated with Prof. Antony Williams, Royal Society of Chemistry, US, in elucidating the structure of novel bioactive molecule (N-Trisaccharide)

## MEMBERSHIP OF SCIENTIFIC SOCIETIES

Endocrine Society, USA;  
International Congress of Comparative Endocrinologist, Canada.

## ADDITIONAL REMARKS

Reviewer for peer-reviewed journals: General and Comparative Endocrinology, Current Pharmaceutical Design, and Brazilian Journal of Microbiology

Additional Qualifications: Training and Courses Successfully Completed: Radiation safety, UACC rodent handling, WHMIS, Biosafety, Laboratory animal care, Laboratory safety, Clinical research methods, R-Excel, Care, breeding and management of laboratory animals, Proteomics and Genomics.

## PRESENTATIONS

### Abstract

- Nesfatin-1 like Peptide is a Novel Metabolic Factor that Suppresses Feeding and Regulates Whole-Body Energy Homeostasis in Male Wistar Rats. ENDO 2017.
- Antidiabetic effect of a novel N-Trisaccharide isolated from *Cucumis prophetarum* on streptozotocin-nicotinamide induced type 2 diabetes, OMICS group, 2013.

### Conference

- Nesfatin-1 like Peptide is a Novel Metabolic Factor that Suppresses Feeding and Regulates Whole-Body Energy Homeostasis in Male Wistar Rats. Endocrinology Society Abstracts. Poster presentation delivered at ENDO 2017, Orlando, FL, USA.
- NLP is a Novel Metabolic Factor. International Congress of Comparative Endocrinology Abstracts. Poster presentation delivered at ICCE18, Banff, Alberta, Canada.
- N-Trisaccharide: A novel antidiabetic principle isolated from *Cucumis prophetarum* against type 2 diabetes. International conference & exhibition on Pharmacognosy, Phytochemistry & Natural products. Poster presentation delivered at OMICS group 2013, Hyderabad, India
- Antidiabetic and antioxidant potency evaluation of different fractions obtained from *Cucumis prophetarum* fruit. National conference on Emerging Trends in Ayurveda and Herbal Drug Technology. Poster presentation delivered at ETAHDT-2012, DBT, New Delhi, India.
- Antidiabetic and Antioxidant activity of secoisolariciresinol diglucoside (SDG) in streptozotocin induced diabetic rats. First Euro-India International conference on Diabetes. Poster presentation delivered at EICD-2012, Kottayam, Kerala, India.
- Diabetes and Medicinal Plants. National symposium on Immunology Today: Recent Development in Health & Disease. Poster presentation delivered at Dept. of Biochemistry, UOM, India

## SELECTED PUBLICATIONS

- Sadiq S. Mareai, Khalid M Naji, **Kavishankar Gawli**, J Rajesha. (2018). Protective effect of secoisolariciresinol diglycoside in carbon tetrachloride induced hepatotoxicity in rats. *J Clin Cell Immunol.* 9:567.
- **Kavishankar Gawli**, Naresh R, Suraj Unniappan. (2017). Nesfatin-1 Like Peptide is a novel metabolic factor that suppresses feeding and regulates whole-body energy homeostasis in male wistar rats. *PLoS ONE* 12(5): e0178329.
- Naresh R, **Kavishankar Gawli**, Venkatakiran P, Suraj Unniappan. (2017). Metabolic & cardio-vascular effects of nesfatin-1: implications in health and disease. *Current Pharma Design.* 23:1-12.
- **Kavishankar Gawli**, N Lakshmidivi. (2015). Antidiabetic and antioxidant potency evaluation of different fractions obtained from *Cucumis prophetarum* fruit. *Pharmaceutical Biology.* 53:689-94.
- **Kavishankar GB**, Moree SS, Lakshmidivi N. (2014). Hepatoprotective and antioxidant activity of N-Trisaccharide in different experimental rats. *Phytomedicine.* 21: 1026-1031.
- **Kavishankar GB**, Lakshmidivi N. (2014). Anti-diabetic effect of a novel N-Trisaccharide isolated from *Cucumis prophetarum* on streptozotocin-nicotinamide induced type 2 diabetic rats. *Phytomedicine.* 21: 624-630.
- Sadiq S. Moree, **Kavishankar GB**, Rajesha J. (2012). Antidiabetic effect of secoisolariciresinol diglucoside in streptozotocin-induced diabetic rats. *Phytomedicine.* 20(3): 237-245.

\*\*\*\*\*