Faculty Vitae

1. General Information:

Names	Nationality	Photo
Sikkandar Mohamed Mohamed	Indian	

2. Education:

Degree	Discipline	Institution	Year
Bachelor	Instrumentation and Control Engineering	Madurai Kamaraj University, India	1998
Master	Biomedical Engineering	Indian Institute of Technology Madras, India	2002
Ph.D.	Biomedical Engineering	Indian Institute of Technology Madras, India	2011

3. Academic Experience:

Institution	Title	Period	FT/PT
Sethu Institute of Technology, Madurai, India	Assistant Professor and Head of Instrumentation and Control Engineering Department	1998 - 2006	FT
Rajalakshmi Engineering College, Chennai, India	Professor and Head of Biomedical Engineering Department	2011 - 2016	FT

4. Non-academic Experience:

Organization	Title	Duties	Period	FT/PT
Indian Institute of Technology Madras, India	Research Scholar	Research	2007 - 2011	FT

5. Certification or professional registration:

- International Fellowship on Health Technology Assessment, Healthcare Technology Innovations Center, Indian Institute of Technology Madras, Chennai India, 2013
- Member of IEEE EMBS
- Life Member of Institution of Engineers (India)
- Life Member of Indian Society of Technical Education (ISTE)

6. Awards, patents and scholarships:

- Government of India Scholarship for Doctoral Research at IIT Madras, 2007-2011
- Council of Scientific & Industrial Research (CSIR), India Travel Grant Award, 2010
- University Grants Commission (UGC) India Travel Grant Award, 2015

7. Service activities within and outside the institution

- Member of Research Committee at Department of Medical Equipment Technology, College of Applied Medical Sciences, Majmaah University, Kingdom of Saudi Arabia
- Member of Graduation Unit at Department of Medical Equipment Technology, College of Applied Medical Sciences, Majmaah University, Kingdom of Saudi Arabia
- Approved Research Supervisor by Anna University, Chennai, India
- Research Affiliate at Rajalakshmi Engineering College, Chennai, India

8. International responsibilities and activities:

- Reviewer in Elsevier Journal of Computers in Medicine and Biology
- Reviewer in International Inderscience Journal of Medical Imaging and Health Informatics
- Reviewer in Journals Inderscience Journal of Biomedical Engineering and Technology
- Reviewer in Inderscience Journal of Biomechatronics and Biomedical Robotics

9. Important publications and presentations:

B B Lahiri, S Bagavathiappan, K Nishanthi, K Mohanalakshmi, L Veni, S M Yacin, John Philip, Infrared thermography based studies on the effect of age on localized cold stress induced thermoregulation in human, Infrared Physics & Technology, 76, 592-602, 2016

Sikkandar Mohamed Yacin, Ranjitha, Suchitra and Divya, Analysis of Congestive Heart Failure ECG signals Using Hilbert Huang Transform, 2015 BMES Annual Meeting, Tampa, USA, 2015

S. Divya Ganga, C. Pon Selvi and S. Mohamed Yacin, Hemodynamic Analysis in Left Coronary Artery Using Lumped Parameter Model, International Conference on Electronics, Computing and Communication Technologies, July 10-11, pp 1-6, 2015

Mohamed Yacin S and Vennila M, Extended Kalman filtering for fetal ECG extraction using Hilbert-Huang transform, Int. J. of Biomedical Engineering and Technology, Vol. 18, No. 1, pp 14-29, 2015

Ramsrinivas A and Sikkandar Mohamed Yacin, Virtual Instrumentation based Non-Invasive Assessment of Arterial Stiffness Using Finger Photoplethysmograp--hic Signal, International Conference on Green Technologies for Power Generation and Communication, pp 446 – 450, 2014

Mohamed Yacin Sikkandar; V. Akshayaa; Acharya Divya Dinesh; L. Dinikshaa Sree, Analysis of cardiac abnormalities using Hilbert-Huang transform, Int. J. of Biomedical Engineering and Technology, Vol.13, No.1, pp.69 – 86, 2013.

L. Sujathaa, N.Vigneswaran and S. Mohamed Yacin, Design and Analysis of Electrostatic Micro Tweezers with Optimized Hinges for Biological Applications Using CoventorWare, International Conference on Design and Manufacturing, Procedia Engineering 64, pp 283 – 291, 2013

Yashwant, Sanchit Cirania and S. Mohamed Yacin, Hypothermia Prevention Jacket for Military Personals, Proceedings of International Conference on Research into Design (ICoRD 2013), IIT Madras, Jan 10-12, India, 2013.

Kirthika, Saranya and S. Mohamed Yacin, Automatic Detection of Diabetic Retinopathy for Indian Patients, Accepted for International Conference on Biosignals, Systems and Imaging (BSSI 2012), Nov 28-Dec 01, 2012.

Sabarunisha S Begum, Muthu Kumar S and Mohamed Yacin S, Biosorptional Studies on Heavy Metals in an Up-Flow Packed Bed Reactor Using Biomaterials, International Journal of Environmental Engineering 5(4), 423-437, 2013.

S. Mohamed Yacin, M. Manivannan and V. Srinivasa Chakravarthy, Analysis of Gastric Slow wave variations from Photoplethysmography using autoregressive model, (Accepted for Publication as a Chapter in Springer Book)

S. Mohamed Yacin, M. Manivannan and V. Srinivasa Chakravarthy, Reconstruction of Gastric Slow wave from finger Photoplethysmographic Signal using Radial Basis Function Neural Network", Medical Biological Engineering and Computing, Nov;49 (11):1241-7, 2011.

S. Mohamed Yacin, M. Manivannan and V. Srinivasa Chakravarthy, Pulse Rate variability and Gastric Electric Power in fasting and Postprandial Conditions, 31st International Conference of the IEEE in Medicine and Biology Society, EMBS Proceedings, pp 2639-2642, Sep 2 – 6, 2009, Minneapolis, USA

S. Mohamed Yacin, M. Manivannan and V. Srinivasa Chakravarthy, Effect of Gastric Myoelectric Activity on Pulse Rate variability in fasting and Postprandial Conditions, Proceedings of International Conference on "Recent Advancements in Electrical Sciences" (ICRAES'10), pp 296 – 306, Jan 8 – 9, 2010, India.

S. Mohamed Yacin, M. Manivannan and V. Srinivasa Chakravarthy, Extraction of Gastric Myoelectric Activity from Finger Photoplethysmographic signal, Seventh IASTED International Conference on Biomedical Engineering (BioMed 2010), pp 188 – 194, Feb 17 – 19, 2010, Innsbruck, Austria.

S. Mohamed Yacin, M. Manivannan and V. Srinivasa Chakravarthy, Measurement of Gastric Oscillations from Finger Photoplethysmographic Signal Using Autoregressive Model, Proceedings of IEEE ICCCCT 2010, India.

S. Mohamed Yacin, M. Manivannan and V. Srinivasa Chakravarthy, On Noninvasive Measurement of Gastric Motility From Finger Photoplethysmog--raphic Signal, Annals of Biomedical Engineering, vol.38, No.12, pp 3744-3755, 2010.