

## ABOUT US:

Consortium of Biomedical Engineers (CBME) is an organization founded to accentuate the interaction of Biomedical Engineers under one roof. CBME aims at enhancing the skills and nuances of fellow Biomedical Engineers by peer sharing. CBME was officially inaugurated in September 2008 by Shri. K. Mohanavelu, Scientist C, Defence Bioengineering & Electromedical Laboratory (DEBEL), Bangalore under the gracious presence of the consortium's president Dr. M. Anburajan, Head, Department of Biomedical Engineering, SRM University, Kattankulathur.

In an aim to burgeon and garner the interests of young minds, CBME has collaborated with Department of Biomedical Engineering, SRM University and has organized the following functions:

- Bioyantra 2009
- Bioyantra 2011- National workshop on Medical Radiation safety
- National Seminar on Medical Thermography 2011

For the year 2012-2013

Chairperson-	Dr.M. Vairamani, Dean, School of Bioengineering, SRM University
President-	Dr.M.Anburajan, Head, Department of Biomedical Engineering, SRM University
Vice President-	Ms.S.P.Angeline Kirubha, Department of Biomedical Engineering , SRM University
Co-ordinator-	Ms. A. Bhargavi Haripriya, Department of Biomedical Engineering , SRM University
Treasurer-	Ms. Varshini Karthik, Department of Biomedical Engineering , SRM University

Student Representatives- Subash Padmanaban

Suryah Suresh

Tamilvanan.E

## WHY SHOULD U BE A MEMBER?

Being a part of a community dedicated to enhance your expertise and carve a niche for yourself in the field of Biomedical Engineering has the following enviable benefits:

- Complete access to all archives
- Membership certificate
- Keeping yourself up-to-date with the constantly updating field of Bioengineering
- Job notifications  
and more

## CONTACT DETAILS:

President  
Consortium of Biomedical Engineering  
C/o Department of Biomedical Engineering  
SRM university  
Kattankulathur  
Chennai

Cell : +91 9600054781

Web: [www.bmeconsortium.com](http://www.bmeconsortium.com)

email: [srmbiomedical@gmail.com](mailto:srmbiomedical@gmail.com)

**National Seminar on Medical Thermography (NSMT-2011) –21– 22<sup>nd</sup> September, 2011**

Inauguration of **National Seminar on Medical Thermography (NSMT-2101)** on 21<sup>st</sup> September, 2011 by **Prof Dr Ramesh C Deka**, Director and CEO, All India Institute of Medical Sciences (AIIMS), New Delhi, **Dr M Ponnaivaikko**, Vice Chancellor of SRM University, **Shri. SC Chetal**, Director, Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam, **Dr. P. Thangaraju**, Pro-vice Chancellor-Medical, SRM University, **Dr Sethuraman**, Registrar, SRM University, **Dr Dr B.Venaktraman**, Associate Director, Radiation Safety and Environmental Group, IGCAR, Kalpakkam were also grace this occasion.



## Training Programme on „Portable medical Imaging Devices“ on 23<sup>rd</sup> Feb, 2012

Inauguration of one Day Training Programme on „Portable medical Imaging Devices“ on 23<sup>rd</sup> Feb, 2012 by **Dr. Thornton Streeter**, Founding Director, Centre for Biofield Science, Pune. Also those who grace the function were **Dr. Sharique Zafar**, President, Holistic Health Care & Research Organization, Thane, **Ms. Kimberly Schipke**, Researcher, Centre for Biofield Science, Pune



**Dr. Sharique Zafar**, President, Holistic Health Care & Research Organization, Thane, explaining the working of a portable medical imaging device to the participants



## ARCHIVES

### Recent Publications by Faculty in Journal/ Proceedings of IEEE/ Other International Conferences

Indexed by:



The logo for SCOPUS, consisting of the word "SCOPUS" in a bold, blue, sans-serif font.



#### a) Journal

- S.Sivanandam, M.Anburajan , B.Venkatraman, M.Menaka, D.Sharath, '*Medical thermography: a diagnostic approach for type 2 diabetes based on non-contact infrared thermal imaging*, *Journal of Endocrine*, Online published on 13th March, 2012, DOI: 10.1007/s12020-012-9645-8 (**Impact Factor:1.37**)

[Abstract](#)

[PubMed ID: 22411072](#)

- V.Sapthagirivasan, M.Anburajan, '*Heel bone mass of a young South Indian population with a Nigerian population residing in a South Indian suburban neighborhood: a comparative study*' *Osteoporosis International Journal*, Online Published on 14th Feb, 2012, DOI 10.1007/s00198-012-1898-9, (**Impact Factor: 4.86**)

[Abstract](#)

[PubMed ID: 22349909](#)

- U.Snehalatha, M.Anburajan, '*Evaluation of functional ability of rheumatoid arthritis based on HAQ score and BMD among south Indian patients*', *Rheumatology International*, Online published on 5th April 2011, DOI:10.007/s00296-011-1906y- (**Impact factor :1.5**)

[Abstract](#)

[PubMed ID: 21465315](#)

- K.B.Kishore Mohan, V.Sapthagirivasan, M.Anburajan, '*Anthropometry: A new approach to identify communal body fat status in an urban south Indian population*', *J. Obesity Research & Clinical Practice* (2011), DOI:10.1016/j.orcp.2011.11.006, Online Published. (**Impact Factor:0.3**).

[Abstract](#)

- K.B.Kishore Mohan, V.Sapthagirivasan, M.Anburajan, 'Community-specific BMI cutoff points for south Indian females', Journal of Obesity Volume 2011, Online published ID: 292503, DOI:10.1155/2011/292503

[Full-length Article:](#)

[Pub Med ID: 22235367](#)

#### **b). Proceedings of IEEE/ Other International Conference**

- M.Anburajan, S.Sivanandam, S.Bidyarasmi, B.Venkatraman, M.Menaka, Baldev Raj, 'Changes of skin temperature of parts of the body and serum asymmetric dimethylarginine (ADMA) in Type-2 diabetes mellitus Indian patients', Proceedings of the IEEE 33rd Annual International Conference of Engineering in Medicine and Biology Society (EMBC, 2011), pp. 6254–6259, E-ISBN: 978-1-4244-4122-8,

DOI: 10.1109/IEMBS.2011.6091544

[Abstract](#)

[PubMed ID: 22255768](#)

- M.Anburajan, D.Ashok Kumar, V.Sapthagirivasan, W.D.Evans, 'Evaluation of osteoporosis in Indian women and men using peripheral dual-energy x-ray absorptiometry (pDXA)', Proceedings of IEEE International Conference on Bioscience, Biochemistry and Bioinformatics (ICBBB-2011), vol.5, pp.470-474, O-ISSN:2010-4618.

[Full-length Paper](#)

- U.Snehalatha, M.Anburajan, B.Venkatraman, M.Menaka, Baldev Raj, 'Thermal image analysis and segmentation of hand in the evaluation of rheumatoid arthritis', Proceedings of IEEE International Conference on Computer Communication and Informatics (ICCCI, 2012), pp.1-6, Print ISBN: 978-1-4577-1580-8, DOI: 10.1109/ICCCI.2012.6158784

[Abstract](#)

- U.Snehalatha, M.Anburajan, B.Venkatraman, M.Menaka, Baldev Raj, 'Evaluation of Rheumatoid Arthritis in Small Animal Model using Thermal Imaging', Proceedings of IEEE International Conference on Signal Processing Communication Computing & Networking Technologies (ICSCCN,2011), pp.785-791, P-ISBN: 978-1-61284-654-5,

DOI: 10.1109/ICSCCN.2011.6024658

[Abstract](#)

- U.Snehalatha, M.Anburajan, B.Venkatraman, M.Menaka, Baldev Raj, '*Thermal imaging method for evaluation of rheumatoid arthritis in small animal model- a preliminary study*', CiiT International Journal of Digital Image Processing, 2011, P-ISSN 0974 – 9691, DOI: DIP082011009

[Abstract](#)

- U.Snehalatha, S.Kavibharathi, M.Anburajan, '*Fuzzy Adaptive snake Algorithm in segmentation of hand radiographs in rheumatoid arthritis*', Proceedings of IEEE International Conference on Computational Intelligence and Computing Research (ICCIC-2011), pp:289-292, ISBN:978-1-61284-693-4,.
- S.P.Angeline Kirubha, M.Anburajan, '*Spectrometric techniques for diagnosis of breast cancer*', Proceedings of IEEE International Conference on Computer Communication and Informatics (ICCCI, 2012), pp.1-4, P-ISBN: 978-1-4577-1580-8, DOI: 10.1109/ICCCI.2012.6158784

[Abstract](#)

- V. Sapthagirivasan, V.Mahadevan, M.Anburajan, '*Segmentation of proximal femur in digital radiographic image using principal component model*', Proceedings of IEEE 3rd International Conference on Electronics Computer Technology (ICECT, 2011), pp.113-117, E-ISBN: 978-1-4244-8679-3, DOI: 10.1109/ICECTECH.2011.5941812

[Abstract](#)

- V.Sapthagirivasan, M.Anburajan, '*Analysis of trabecular proximal femur bone in diagnosing osteoporosis using digital x-ray: A comparison with DXA*', Proceedings of IEEE **International Conference on Recent Trends in Information Technology (ICRTIT-2011)**, pp.869-874, P-ISBN: 978-1-4577-0588-5, DOI: 10.1109/ICRTIT.2011.5972346

[Abstract](#)

**c). Proceedings of National Symposium**

- M.Anburajan, K.Ramasamy (Editors), *Proceedings of National Symposium on Advanced Medical Imaging (NSAMI'09)*, Excel Publishers, New Delhi, ISBN: 978-93-80043-31-9, 2009;

- M.Anburajan, '*Advanced x-ray source using nanotechnology: A review*', Proceedings of National Symposium on Advanced Medical Imaging (NSAMI'09), Excel Publishers, New Delhi, ISBN: 978-93-80043-31-9, pp.17-26, 2009.
- S.P.Angeline, M.Anburajan, '*Quantum dots for bio-imaging- a review*', Proceedings of National Symposium on Advanced Medical Imaging (NSAMI'09), Excel Publishers, New Delhi, ISBN: 978-93-80043-31-9, pp.53-57, 2009.
- U.Snehalatha, M.Anburajan, '*Diagnosis of Rheumatoid Arthritis by Different Imaging Modalities: A Review*', Proceedings of National Symposium on Advanced Medical Imaging (NSAMI'09), Excel Publishers, New Delhi, ISBN: 978-93-80043-31-9, pp.58-62, 2009
- Ashok Kumar, K.Vijayan, N.Thangadurai, '*An analysis of data acquisition system dedicated for biomedical parameters*', Proceedings of National Symposium on Advanced Medical Imaging (NSAMI'09), Excel Publishers, New Delhi, ISBN: 978-93-80043-31-9, pp.63-69, 2009
- Ashok Kumar, Ritwick Mishra, Savita Rana, '*Mini PACS*', Proceedings of National Symposium on Advanced Medical Imaging (NSAMI'09), Excel Publishers, New Delhi, ISBN: 978-93-80043-31-9, pp.70-73, 2009.

#### **d) Monograph**

- S.Balasundar, Chandrasekaran, "Radiation Detection and Protection- ISRP Monograph Series-1 (2011)", Editors: B.Venkatraman, M.Anburajan, Baldev Raj, Indian Society for Radiation Physics (ISRP), SRM University, Chennai, 2011

#### **e) Book Chapter**

- V.Sapthagirivasan, M.Anburajan, 'Analysis of texture patterns in diagnosing osteoporosis using proximal femur x-ray images', In: *Advances in Digital Image Processing and Information Technology, Communications in Computer and Information Science (205)*, Springer, 2011, Ed: Dhinaharan Nagamalai, Eric Renault, Murugan Dhanuskodi, vol.205, part 2, 383-392, DOI: 10.1007/978-3-642-24055-3\_39

#### **[Abstract](#)**



### Suggested Changes...

- 'National thermography..' scroll to be removed and to be replaced with 'Bioyantra 2012'
- 'Discovering new ways of scientific thinking ' Should come in a single line.
- Register site can have the details of 'why to be member' and then a link for member login and registration separately
- In Bioyantra page .. can the logos be given hyperlinks to their respective home pages?