

NABIOCON'23

Venue: TKM IT Administrative Block Seminar Hall, BM Project Lab

Date: 26th - 27th June, 2023.

Time: 9:30 am – 3:30 pm

Participants/Attendees:

Professional Members(IEEE) : 6 Non IEEE Members: 16

Student Members(IEEE): 42+ Non IEEE Members: 36+

NABIOCON'23, a national conference on biomedical instrumentation and signal processing was organized by the Department of Biomedical Engineering of TKM Institute of Technology in collaboration with SCTIMST-TIMed, IEEE EMBS Kerala Chapter, TSI Kerala Chapter, and IEEE EMBS TKM IT.

The two-day conference took place on the 26th and 27th of June, 2023, and aimed to provide a platform for researchers, academicians, and industry professionals to exchange knowledge and discuss the latest advancements in the field.

The conference commenced with an inaugural ceremony featuring esteemed dignitaries, including keynote address delivered by Mr. Vinod Kumar V (Engineer G, SCTIMST) “ Indian Medical Devices, Market Scenario”.

Plenary sessions were handled by Dr. Jithendranath (Anesthesiologist, Wayanad) on topic “My Teleconsultation Journey”, Mr. Subhash N N (Engineer C, SCTIMST) on topic “Lab to Market Transitions in MedTech”, Mr Jithin Krishnan (Engineer C, SCTIMST) on topic “ Internet of Medical Things”. Participants had the opportunity to present their research papers at the conference which encouraged interactive discussions.

The conference recognized outstanding contributions by presenting Best Paper Awards.

NABIOCON'23 successfully brought together researchers, academicians, and industry professionals from the field of biomedical engineering. The conference provided a conducive platform for knowledge dissemination, networking, and collaboration. The conference undoubtedly made significant contributions towards the advancement of biomedical engineering and set the stage for future research and development in modern medical technology.

Welcome by – Dr. K Gopakumar, HoD

Master of Ceremony – Diya Lekshmi J, Hanna Anzar

Vote of Thanks – Jacob Varghese



NABIOCON 2023

National Conference On Biomedical Instrumentation
And Signal Processing

CALL FOR ABSTRACT

Program Date
June 26th & 27th

Prizes Worth 15k+
Proceedings Of The Conference Will Be Published As A Book
With ISBN Number

Registration Fees	Deadline
IEEE Members: 500/-	June 20 2023
Non-IEEE Members: 750/-	



NABIOCON '23

NATIONAL CONFERENCE ON BIOMEDICAL INSTRUMENTATION AND SIGNAL PROCESSING

"BLENDING SCIENCE AND SUSTENANCE: THE INTERSECTION OF FOOD
TECHNOLOGY AND BIOMEDICAL ENGINEERING"

- NUTRACEUTICALS AND FUNCTIONAL FOODS
- BIOPROCESSING AND BIOMANUFACTURING
- MEDICAL NUTRITION THERAPY
- FOOD SAFETY AND QUALITY CONTROL
- BIOMATERIALS AND DRUG DELIVERY SYSTEMS

Program Date	Deadline
June 26 , 27	June 20 , 2023


NABIOCON '23

NATIONAL CONFERENCE ON BIOMEDICAL INSTRUMENTATION AND SIGNAL
PROCESSING


Merging the technologies of Software engineering with medical engineering

- Algorithm development and optimization for biomedical applications
- Machine learning and deep learning techniques in healthcare
- Biomedical image analysis and computer-aided diagnosis
- Data mining and predictive analytics in biomedicine
- Integration of artificial intelligence in medical devices and systems
- Ethical considerations and data privacy in biomedical research

Register now : <https://forms.gle/7TJs5V5t5dL2Y1Fj6>



Thangal Kunju Musaliar
Institute of Technology



NABIOCON '23
National Conference

Dear Sir/Madam

The Department of Biomedical Engineering is organizing a national conference on biomedical instrumentation and signal processing, NABIOCON 23, which will be held on the 26th and 27th of June, at TKM Institute of Technology, Kollam, Kerala. This conference is organized in association with SCTIMST-TIMed, EMBS Kerala Chapter, TSI Kerala Chapter and IEEE EMBS TKMIT.

On behalf of the program committee, it is my pleasure to invite you for the inaugural ceremony and technical sessions

Dr. Jyothiraj V P
Principal

PROGRAMME SCHEDULE

Day 1 (26-06-2023)

INAUGURAL FUNCTION

Venue: Seminar Hall, Administrative Block Time 9.30 AM

Prayer

Code of Ethics: Mr. Anas A S, IEEE Branch Counsellor

Welcome Speech: Dr. K Gopakumar, HoD

Rationale of the Conference: Dr. Nitha V Panicker, IEEE EMBS Advisor

Presidential Address: Dr. Jyothiraj V P, Principal

Inaugural Address: Dr. S Ayoob, Executive Director, TKM Group of Institutions

Release of Proceedings: Janab T K Jalaluddin Musaliar, Treasurer, TKM Trust

Keynote Address: Mr. Vinod Kumar V, Engineer G, SCTIMST

Vote of Thanks: Mr. Jacob Varghese, IEEE SB Chair

Tea break: 10.30am -11.30 am

Technical session I: 11.30am-1.00 pm

Plenary Address: Mr. Subhash N N, Engineer C, SCTIMST

Paper presentation

Lunch Break: 1.00 pm -2.00 pm

Technical session II: 2.00 pm-3.30 pm

Plenary Address: Mr. Jithin Krishnan, Engineer C, SCTIMST

Paper presentation

Day 2 (27-06-2023)

Technical sessions III: 9.30 am-11.00 am

Plenary Address: Dr. Jithendranath, Anesthesiologist and TSI Life Member

Paper presentation



ടിക്കെറ്റും ഐഡിയിൽ ദേശീയ കോൺഫറൻസ്

എഴുകോൺ

കാര്യവേലിൽ ടിക്കെറ്റും ഇൻസ്റ്റിറ്റ്യൂട്ട് ഓഫ് ടെക്നോളജിയിലെ ബയോമെഡിക്കൽ എൻജിനീയറിങ് വിഭാഗത്തിന്റേയും എസ് സിടി ഐഎംഎസ്സി ടിബിഎ എംഎഡ്, ഐഇഇഇ എംബിഎംഎസ് കേരള ചാപ്റ്റർ, ടിഎസ്ഐ കേരള ചാപ്റ്റർ, ഐഇഇഇ എംബിഎംഎസ് ടിക്കെറ്റും ഐടിടെയും നേതൃത്വത്തിൽ ദേശീയതല കോൺഫറൻസ് 'നബിയോക്കൺ 23' സംഘടിപ്പിച്ചു. ടിക്കെറ്റും ഗ്രൂപ്പ് ഓഫ് ഇൻസ്റ്റിറ്റ്യൂഷൻ എക്സിക്യൂട്ടീവ് ഡയറക്ടർ എസ് ആയുബ് ഉദ്ഘാടനം ചെയ്തു. ടി കെ ജമാലുദീൻ മുസലിയാർ അധ്യക്ഷനായി. പ്രിൻസിപ്പൽ വി പി ജ്യോതിരാജ്, വി വിനോദ്കുമാർ, നീത വി പണിക്കർ, എ എസ് അനസ്, കെ ഗോപകുമാർ എന്നിവർ സംസാരിച്ചു. എൻ എൻ സുഭാഷ്, ജിതിൻ കൃഷ്ണൻ, ജിതേന്ദ്രനാഥ്, എന്നിവർ ക്ലാസെടുത്തു. മികച്ച ആശയാവതരണത്തിന് സമ്മാനം നൽകി.