



# ENGMEDNEWS

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*Dear Members,*

*Greetings!*

*Anything is not EASY.... But EVERYTHING is POSSIBLE.....*

*Thank you very much for supporting the BMESI, continuously.*

*With Regards*

*Dr. Shruti Jain*  
*Editor-in-Chief*

*Dr. Sudip Paul*  
*Editorial Board Member*

# *Journal of Bioengineering & Life Sciences*

## **AIM AND SCOPE OF THE JOURNAL**

Journal of Bioengineering & Life Sciences (JBLS) is a multidisciplinary journal, publishes research papers focused on application of applied engineering & Sciences. JBLS ensure researcher to share their findings with the scientific expert committee for quick critical review and acceptance.

The journal publishes research articles in the following areas:

1. Biomedical Instrumentation
2. Biomedical Materials
3. Biomechanics
4. Biophotonics
5. Biosensors
6. Bio-MEMS
7. Nano-Electronics
8. Clinical Engineering
9. Medical Implants
10. Medical Imaging
11. Prosthesis & Orthotics Devices
12. Synthetic Biology
13. Tissue Engineering
14. Computational Modeling
15. Molecular, Cellular, and Functional basis of therapy
16. Molecular Biology
17. Cell biology
18. Biochemistry
19. Biophysics
20. Environmental sciences
21. Molecular genetics
22. System biology
23. Endocrinology
24. Population Genetics
25. Biochemical analysis
26. Basic and applied Life sciences
27. Biodiversity
28. Biomedical Science
29. Developmental Biology
30. Evolutionary Biology
31. Parasitology
32. Structural Biology

# *Call for Associate Editors*

**Journal of Bioengineering & life Sciences** invites you to apply for Member of Editorial board for expanding & developing cutting age research domains.

## **Eligibility for becoming the member of Editorial Board:**

- Lifer Membership of BMESI
- 5-year research or working experience in the related areas with PhD / Master's degree.
- Relevant working experience and professor title is preferred.

## **Benefits:**

- This work helps to add in and provides a better way to create uniqueness as a well-known expert in the field.
- You may further expand the scientific connections through invited talk at conferences or demand for invited research of your specialized area.
- You will be among the contributors who will shape and decide the urgent ways as required with changing societal needs.
- Your ideas and subject inputs may be used in arranging special issues as per topics of your interest and choice.
- You will overseas latest research before everyone else and explore associated upcoming research areas.
- The editorial board member may get some discount in publishing the article.

Share your CV and detailed plan to [bmesiindia@gmail.com](mailto:bmesiindia@gmail.com)

## **Editor In-Chief**

**(Journal of Bioengineering & Life Sciences)**

## *Join FORCE BIOMEDICAL*

FORCE Biomedical is a non-profit and Non-Government Organization, registered under Registration of Societies Act -2001 (No: 1848 of 2017). The goals are to promote the co-operation between the Biomedical professionals and to cultivate an environment to strengthen and encourage the Biomedical Technology and field and profession in Government and non-government sectors.

Inviting Worldwide Biomedical professionals and students to register as Member /Student - Member of this Organization.

Register using this link

<http://forcebiomedical.com/membership-form/>

**Note: No Registration Fee**

Regards,

FORCE Biomedical Team

## *No NBA and NAAC*

### **Engg colleges will no longer be accredited by NBA**

Engineering colleges will no longer be accredited by the National Board of Accreditation (NBA) and the role will be taken over by a new company — IIT Foundation for Accreditation and Assessment (IFAA). The company established recently, having IIT-Madras, IIT-Delhi and IIT-Kharagpur as founding partners, is now looking for a CEO. "The company will attempt to expedite the accreditation process, operating in a self-sustainable mode," a senior official, who is member of the IIT Council said.

**PTI**

## *Niti Aayog proposes separate regulator for medical devices*

Government think tank Niti Aayog has rejected the health ministry's proposal to bring medical devices under the Central Drugs Standard Control Organisation (CDSCO), saying the body does not have the required expertise. People aware of the matter said the Aayog has instead moved a draft Bill proposing that medical devices be governed by a separate regulator.

Earlier this month, the ministry had issued a draft notification saying that all medical devices would come under the category of drugs from December 1 and would be regulated under the Drugs & Cosmetics Act. A senior official confirmed to ET that there is some support for Niti Aayog's view in the government that it is inappropriate to allow CDSCO to regulate medical devices as they have expertise in pharmacy/chemicals and not in devices. People familiar with the development told ET that the Aayog has floated a draft Bill to regulate over 6,000 bio medical devices in the country.

"The Bill proposes a separate regulator for medical devices on the lines of the Food Safety and Standards Authority of India (FSSAI), an autonomous body under the health ministry," one of the persons cited earlier said, requesting not to be named. In India, only 23 categories of medical devices are regulated under the Drugs and Cosmetics (D&C) Act. The ministry's notification said all medical devices will be brought under regulation in a phased manner.

It has proposed seven categories of devices intended for use in human beings or animals as drugs with effect from December 1, 2019, while ultrasound equipment would be treated as drugs from November 1, 2020. "Ministry of health should clearly define that its current regulations to define devices as drugs and their regulation by CDSCO is a temporary measure till a separate medical devices law and a competent regulatory authority is formed as devices are not drugs," Rajiv Nath, forum coordinator of the Association of Indian Medical Devices Industry said.

India's medical devices market is the fourth largest in Asia—after Japan, China and South Korea—at over \$10 billion and is projected to grow to \$50 billion by 2025. Biomedical Professionals enhance your skill in Medical Devices, new entity is coming up by GOI, it is already proposed 750 posts for this company.



# *5<sup>th</sup> IEEE International Conference on Signal Processing, Computing and Control (ISPCC2k19)*

Department of Electronics and Communication Engineering of Jaypee University of Information Technology, Waknaghat organized 5th IEEE “International Conference on Signal Processing, Computing and Control” (ISPCC-2k19), technically sponsored by IEEE USA and Delhi section, from 10<sup>th</sup> October to 12<sup>th</sup> October, 2019 at Jaypee University of Information Technology, Waknaghat, Solan, H.P. Prof. M.J. Nigam was the Principal General Chair while Dr Shruti Jain and Dr. Meenakshi Sood were the Conference General Chairs.

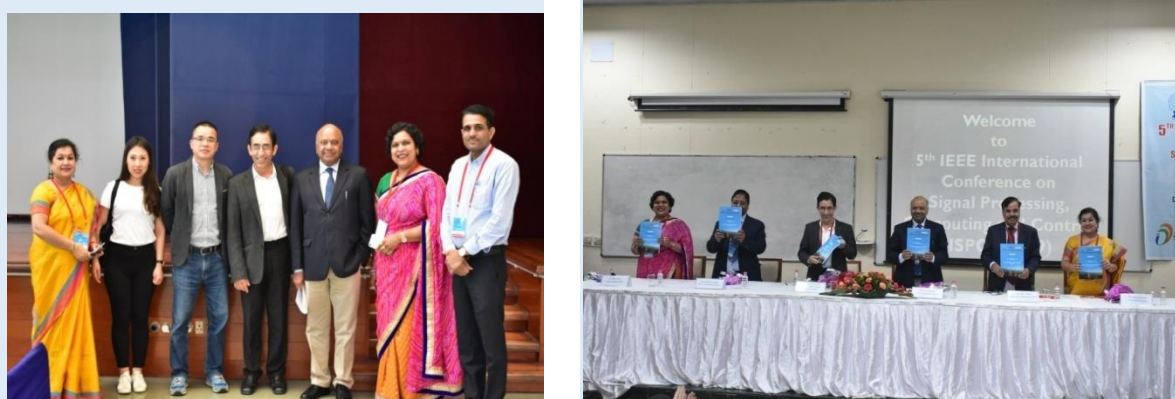


The aim of the ISPCC is to serve for researchers, developers, educators working in the area of signal processing, computing, control and their applications to present and future work as well as to exchange research ideas. ISPCC 2k19 invites authors to submit their original and unpublished work that demonstrates current research in all areas of signal processing, computing, control and their

applications. This conference is one of the premier venues for fostering international scientific and technical exchange across research communities in networking.



The 5<sup>th</sup> IEEE ISPC 2k19 technical program committee put together an outstanding program, consisting of **15 technical sessions, 5 keynote speakers, 3 invited talks and 2 workshops**. The conference had support of **three sponsorships by BIOPAC systems, AD Instruments and Biomedical Engineering Society of India**. The papers were presented in their respective session schedule spanned over three days.



The eminent academicians were invited as keynote speakers **Prof. Dinesh Kumar**, Professor (Biomedical Engineering), Electrical and Computer System Engineering, RMIT, University, Melbourne, Australia, **Prof. Ishfaq Ahmad**, Computer Science and Engineering University of Texas at Arlington (UTA), USA, **Prof. Shyam Sundar Pattnaik**, Director National Institute of Technical Teachers



Training and Research (NITTTR), Chandigarh, **Prof. Manu Sood**, Director, UIET, Himachal Pradesh , **Dr. Narayan Panigrahi**, Centre for Artificial Intelligence & Robotics DRDO Bangalore, India.

Special talks were also delivered by **Dr. Farhad Ilahi Bakhsh**, NIT Srinagar, **Ms. Taranmeet**, and **Mr. JKL Prasad & Mr. Muktesh Sharma** from industry as an integral part of the conference. Two workshops were also held during the conference by **BIOPAC systems and AD Instruments** that provided hands on exposure to the participants.

A total of 273 research papers were received, out of which 70 papers were accepted and registered and presented during the three day conference, acceptance ratio being 25%.





An overwhelming response was received from the researchers, academicians and industry from all over the globe. The papers were from Nigeria, Iran, China, Phillipines, Maldives making it truly International and pan-India from Raipur, Kerela, Pune, Hyderabad, Rajasthan, Guwahati, Utrakhland, Raipur, Ranchi and not to mention our neighboring states. The authors are from premium institutes IITs, NITs, Central Universities, NSIT, PU and many other reputed institutes



We truly believe the engagement of faculties from different universities and institutes attending this conference and deliberating their research issues and outcomes resulted in fruitful and productive recommendations.

The three day conference was concluded with the certificated distribution by Vice Chancellor, Prof. Vinod Kumar, Director & Academic Head Prof. Samir Dev Gupta, Registrar Major General(Retd.) Rakesh Bassi, JUIT. HOD Prof M.J. Nigam declared the next conference in 2021.





## *Symposium on Biomaterials, Drug delivery and Regenerative Engineering*

NSBDR 2019 Nov 2-3: A symposium on Biomaterials, Drug delivery and Regenerative Engineering was held in the month of November 2019 in association with BMESI, India. There were two keynote addresses and seven invited talks by eminent Academicians from School of Regenerative Medicine, Bangalore, VIT Vellore, IIT Hyderabad, IIT Goa, NITK, Surathkal, Manipal College of Life sciences, MAHE, Biotechnology, Manipal Institute of Technology and Manipal college of Dental sciences, MAHE. About 70 UG and PG students and researchers registered for this symposium and 16 posters were presented during the two days.

The Symposium was an effort to review the current state of knowledge in the area of Biomaterials, Drug delivery and Regenerative engineering and their applications in health care. These areas are offering greater challenges for improved diagnosis and therapeutic options in the present scenario and decades ahead. However, such developments are possible through collaborations and sharing of ideas between multidisciplinary groups that will bring greater benefits to the society with the limited resources available in the country.





## *Good News*

BMESI past President Dr A G Ramakrishnan is now the fellow of INAE!

## *Book by Prof. S.B. Sinha*

Dear Colleagues,

"Repair and Maintenance of Medical Devices" is now available from Amazon. The preview is available at the following link:

<https://www.amazon.com/Repair-Maintenance-Medical-Devices-Equipment-ebook/dp/B07Y31722T>

Warm regards,

Dr. S.B.Sinha

Medical Device Consultant

President Biomedical Engineering Society of India

Ex Advisor, Healthcare Technologies

WHO Collaborating Center for Priority Medical Devices & Health Technology Policy

# *5 days AICTE Training and Learning (ATAL) Workshop on Robotics for Healthcare*



The Department of Biomedical Engineering, North-Eastern Hill University, Shillong successfully organized 5 days AICTE Training and Learning Academy (ATAL) Workshop on “**Robotics for Healthcare**” from 4-8, Nov, 2019 under the sponsorship of AICTE, Govt. of India. Dr. Sudip Paul, Assistant Professor, BME department was the Coordinator for this event. There was 52 registered delegates were participated from all over the country including faculties/researchers. The resource persons were from NIT Meghalaya, Tezpur University, NIPER-Guwahati, NEIGRIHMS, NEHU and also from Doha Qatar. The event will be inaugurated by Dr. Nayan M. Kakoty, Associate Professor, Tezpur University in presence of Registrar, Dean (SOT), Head (BME) from NEHU. This was the first kind of workshop organized in Biomedical Engineering department under the sponsorship of AICTE.

# Call for papers

## ComPE 2020



**ComPE** INTERNATIONAL CONFERENCE on  
2020  
**COMPUTATIONAL PERFORMANCE EVALUATION**



**ComPE 2020**  
Biomedical Engineering Department,  
North-Eastern Hill University (Central University)

**WWW.COMPE2020.COM**

**JUL 02 -04, 2020**

**SHILLONG**

The Department of Biomedical Engineering, North-Eastern Hill University (Central University) and Blue Amber Foundation are jointly organizing the International Conference on Computational Performance Evaluation (ComPE-2020) during July 02 - 04, 2020. The conference is technically sponsored by IEEE Kolkata Section (Approval #49325) for deliberating with renowned experts in this field. This invitation is open for all academicians, research scholars, Post-Docs, PG and UG students working in the field of topics of interest related to Engineering, Biomedical Engineering and Medical Science related areas.

**CALL FOR PAPERS**

ComPE-2020 is an opportunity for researchers, academicians, practitioners and professionals located around the world who are involved in the field of data science, communication technologies, signal processing, augmented reality and virtual reality, electronic devices and circuits, power electronics, Industry 4.0 and interdisciplinary areas to submit their original research papers which have not been submitted elsewhere in other conference/journals. Best Papers under each track will be awarded.

**PUBLICATIONS**

All registered and presented papers in the conference will be forwarded for inclusion in IEEE Digital Xplore. **Extended version of selected best papers will be invited to publish as book chapters in Springer/Elsevier book and reputed SCI/SCIE/ESCI/Scopus Indexed journals.**

**PAPER SUBMISSION**

Registration fee Authors may submit their manuscripts through the following link, <https://easychair.org/conferences/?conf=compe2020>

**REGISTRATION**

Payment can be done by Demand Draft (DD) / cheque in favor of "ComPE-2020" payable at Shillong (or) wired transfer (NEFT) or Gateway payment. More details are available in the Conference website.

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**February 28, 2020**  
**Acceptance Intimation:**  
**March 20, 2020**  
**Submission of Camera Ready Paper:**  
**April 5, 2020**  
**Deadline for Registration:**  
**April 25, 2020**  
**Conference Date:**  
**July 02 - 04, 2020**

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**MERRY  
CHRISTMAS  
&  
HAPPY  
NEW YEAR**