



A fully online conference



**2nd International Conference on
Affordable Strategies for
Health, Environment &
Food Technology – 2020
ASHEF 2020**

(Under the Aegis of ICETE 2020 – A multiconference platform)

December 22 – 23, 2020

Organized by

Department of Biotechnology Engineering



(An Autonomous Institution affiliated to VTU, Belagavi)

Nitte – 574 110, Karkala Taluk, Udupi District, Karnataka, India

ISO 9001:2015 Certified, Accredited by UGC NAAC with 'A' Grade

Phone: +91 8258 281264; Fax: +91 8258 281265

Website: <http://nmamit.nitte.edu.in/>

Conference email: ashef@nitte.edu.in

Conference web: <http://www.ashef2020.in/>

About N.M.A.M. Institute of Technology

N.M.A.M. Institute of Technology (N.M.A.M.I.T.) was established in the year 1986 affiliated to VTU, Belagavi and an autonomous institution offering UG, PG and Doctoral programs. It is a unit of Nitte Education Trust, Mangaluru. The institute currently offers 7 UG programs in engineering, 11 MTech programs, MCA and MBA programs. All the UG programs are accredited by the National Board of Accreditation (NBA), New Delhi. The institute is an ISO 9001-2015 certified for quality education by NVT Quality Certifications (ANAB accredited), also, accredited with 'A' grade by National Assessment and Accreditation Council (UGC NAAC). N.M.A.M.I.T. is ranked 133 in the NIRF ranking-2020, Govt. of India. The college has signed MoU with reputed industries, research organizations, and International universities to promote close interaction in areas of recent technologies, Research & Development, and skill development programs.

About the Organizing Department

The Department of Biotechnology was founded in 2002 with the introduction of B.E program in Biotechnology to train the students in biological applications of Engineering principles. The B.E. in Biotechnology was accredited for 6 years (2012-18) and currently accredited for 3 years (2018-21) by National Board of Accreditation (NBA). The department is recognized as research centre under VTU, Belagavi and offers doctoral program and M.Sc. Engg. in Biotechnology. Faculty members of Biotechnology department have received research grants over INR 26 million from Govt. funding agencies such as DBT, DST, BRNS, BIRAC, VGST, KBITS, KSBDB and KSCST. Department has filed seven patents based on research work of which 1 is granted. A pilot-scale plant for Biodiesel production, demonstration and information funded by Karnataka State Biofuel Development Board, Bengaluru is functional in creating awareness among public about biodiesel usage and produced over 15,000 liters of biodiesel for sale. The department is recognized as Centre of Innovative Science & Engineering Education (CISEE) in Biofuel Production by Vision Group on Science & Technology (VGST), Govt. of Karnataka.

Objectives of the Conference

International Conference on Health, Environment and Food Technology (ASHEF-2020) is a platform for the exchange of knowledge from both individual and interdisciplinary types of research pertaining to Health, Environment and Food Technology. This second international conference aims to bring together the eminent researchers, scientists, engineers, scholar and students for providing an international forum for the dissemination of original research results in the area of various strategies employed in health, environment and food technologies for the societal benefit. This conference is hosted under the multiconference platform "International Conference on Emerging Trends in Engineering (ICETE-2020)" organized by N.M.A.M. Institute of Technology, Nitte, along with 5 more conferences organized by other departments, engaging researchers of interdisciplinary domains.

Conference Tracks

Original research papers on the following indicative topics, but not limited to, are welcome to be submitted for the conference.

	<p>Infectious diseases, Metabolic Disorders and Molecular Medicine</p> <ul style="list-style-type: none"> • Omics • Systems Biology • Pharmacology • Phytomedicines • Infectious Agents • Infectious Vectors • Ethnomedicine and Ayurveda • Computer-Aided Drug Design • Differential Gene Expression Analysis • Metabolic and Signalling Pathways • Molecular Medicines • Therapeutic Antibodies 		<p>Nanoscience, Nanomaterials and Nanotechnology Applications</p> <ul style="list-style-type: none"> • Nanoparticles • Nanomaterials in Health and Medicine • Nanomembranes • Nanocarriers and Nanoinformatics • Nanoformulations • Nanodevices • Nanomaterials in Diagnostic Kits • Nanotechnology for Space Research • Nanotechnology in Agriculture • Biosynthesis of Nanoparticles • Nanochips in Healthcare management • Nanomaterials and Affordability
	<p>Biomonitoring, Waste Management</p> <ul style="list-style-type: none"> • Children and Public Health • Environmental Exposure • Biodegradation of Environmental Pollutants • Hazard Management • Diagnostics to detect and monitor environmental changes • Wastewater management • Ecosystem • Solid Waste Management • E-waste Management • Bio-medical Waste Management • Agrobiotechnology • Organic Fertilizers 		<p>Renewable Energy, Conservation and Sustainable Development</p> <ul style="list-style-type: none"> • Liquid Biofuels (Biodiesel, Bioethanol, Biobutanol) • Biogas • Algal Biofuels • Microbial production of Biofuel • Value added products • In Situ Conservation • Design and Development of Bioreactors for biofuels • Genetically Modified Organisms (GMOs) for renewable energy • Living Modified Organisms (LMOs) • Genetic Diversity • Impact Assessment
	<p>Food Engineering and Processing, Food Innovation and Management, and Current Trends in Food Technology</p>		<ul style="list-style-type: none"> • Food Preservation and Packaging • Management of food waste • Global food security • Food chemistry and quality control • Dairy science and technology • Food nanotechnology
<ul style="list-style-type: none"> • Functional foods • Food toxicology • Sports nutrition • Enology and Brewing science • Food microbiology • Food & nutrition 			

Keynote Speakers

Eminent researchers, academicians and industrialists will be delivering keynote address on topics pertaining to the three major themes of the conference. The list of keynote speakers and related details will be updated in the website.

Call for Papers

ASHEF 2020 warmly invites extended abstract of original research papers describing their latest findings & research work to the conference from academic/industry professionals, R&D organizations & departments and researcher scholars across the globe. The manuscript should contribute original research ideas, analysis & findings. The manuscript should not have been published in any journals or conference proceedings or magazines and not under review in any of them. Extended abstract should be submitted through Easy Chair Conference Management System. The accepted abstracts, after peer review process, will be considered for e-proceedings and conference presentation. Authors interested in journal publication of their research article should submit the full-length manuscript as per prescribed format. Visit conference website for abstract template and paper submission links.

Publication & Awards

The extended abstracts of all accepted and registered presentations will be published in e-proceedings of ASHEF 2020. Full length manuscripts submitted will undergo regular review process of Scopus / Web of Science indexed journal / eProceedings. Visit the conference website for the list of journals. The publication charges may be applicable as extra charges. One best paper in each track for oral presentation and poster presentation will be awarded with a citation and certificate.

Registration

At least one author of accepted paper must register for the conference. One author may present at the maximum two papers; however, author must register separately for each paper. Template for Registration form for ASHEF 2020 can be found in the conference website. Signed and scanned hard copy of registration form and copyright form should be submitted through online registration portal in the website, before the registration deadline. Fee is per presenting author for each paper (oral or poster).

Additional author may register as attendee. Certificate of presentation is provided to presenting author only. Maximum two authors can present a paper. Details regarding presentation will be informed to the authors but the time limit will be restricted to 10 minutes per paper.

Registration Fees (Excluding Publication charges)

Category	Indian Delegate (₹)		Foreign Delegate (US\$)	
	Presenting author	Attendee	Presenting author	Attendee
UG / PG Student	600	200	50	30
Academician / Research Scholar	1000	500	50	50
Industry	1000	500	50	50

Mode of Payment

The payment of registration fee shall be made through Demand Draft or Online transfer (IMPS or NEFT) or wire transfer only.

Demand Draft:

Name: Principal, N.M.A.M.I.T. Nitte
Payable at: Nitte (Syndicate Bank/Vijaya Bank),
Mangaluru (other).

Specify on the back of DD:
"ASHEF 2020 Paper Id, Name"

DD should be sent through post to Conference Secretary.

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A/c Holder name : Principal, N.M.A.M.I.T. Nitte
Bank : Syndicate Bank, Nitte-574110,
Account Type : S/B
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The proof of online transfer (UTR No., date & time, Scan copy) needs to be uploaded in the registration portal along with registration forms.

Important Dates

Submission of Extended Abstract – Open	01/07/2020
Submission of Extended Abstract – Close	01/11/2020
Author notification of acceptance	05/11/2020
Submission of camera-ready Manuscript	10/11/2020
Last date for registration (online)	01/12/2020
Conference Start date	22/12/2020

Committees

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President, Nitte Education Trust, Mangaluru

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Dr. C. Vaman Rao, Professor and Head, Dept. of BTE, NMAMIT, Nitte

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Dr. Venkatesh Kamath H, Asst. Prof., Dept. of BTE, NMAMIT, Nitte

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Contact Us

Program Chair

Dr. C. Vaman Rao



Professor and Head, Department of Biotechnology Engineering

 : +91 98806 75650

Conference Secretaries



Dr. Anil Kumar H. S.

Associate Professor, Dept. of BTE

  : +91 98453 72379

Dr. Venkatesh Kamath H.

Assistant Professor, Dept. of BTE

  : +91 94820 97873

Postal Address

Department of Biotechnology Engineering,
NMAM Institute of Technology, Nitte - 574110,
Karkala Taluk, Udupi District (Karnataka State), India.

Email: ashef@nitte.edu.in

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Registration Form

Salutation : Dr. Mr. Ms.

Delegate Name : _____

Designation : _____

Affiliation : _____

Postal Address : _____

: _____

Paper Id : _____

Paper Title : _____

: _____

Registration category : Indian delegate Foreign delegate
 Academician Industry Student
(Tick the appropriate) Oral presentation Participant

Reg. Fee : ₹ _____ US\$ _____

Payment Details : Demand Draft Online Payment
DD No: _____ UTR: _____
Bank: _____ Bank: _____
Date: _____ Date: _____

(Use separate form for multiple papers, maximum two entries per delegate)

Date:
Place:

Signature of Delegate

Endorsement by Head of the
Institution/Dept. (with seal)

Note 1: Scanned Reg. form along with declaration form & payment proof (all as separate pdf form to be uploaded in the web registration portal). DD Should be posted to Conference secretary.

Note 2: Student delegate should attach a scan copy of Student Id proof and submit along with registration form online.

Email: ashef@nitte.edu.in

Conference web: <http://www.ashef2020.in/>