



PHYSICON-2019



XXXIst Annual Conference of the Physiological Society of India

ANNOUNCEMENT/ INVITATION

Dear Colleagues,
On behalf of the Organizing Committee, it is a great pleasure in inviting you to the PHYSICON-2019: The XXXIst Annual Conference of the Physiological Society of India (PSI) "Recent Trends in Physiology and Healthcare Research for Salubrious Society" held at the Bankura Christian College, Bankura-722101, West Bengal, India, during 15th – 17th November, 2019.

Bankura Christian College as a premier higher education institution is now a brand name in academia. The college has established itself as a centre of education for excellence, imparting quality education for more than a century and contributing significantly to the nation by nurturing young talent and enabling themselves to work for the society, for the truth and knowledge and ultimately for Improving quality of human life.

Bankura Christian College is situated in the heart of the historic city of Bankura. The College has stepped into 116 years of its eventful existence. In 2011 the institution was recognized by the UGC as a College with Potential for Excellence (CPE) and it was renewed very recently in 2017 for the Second Phase. The National Assessment and Accreditation Council (NAAC) conferred 'Grade A' to the college in the second cycle of accreditation in January, 2013. The college is also enjoying the privilege of being under RUSA. The college was re-accredited in Grade A (3rd Cycle) in 2019 by the National Assessment and Accreditation Council (NAAC).

The Department of Physiology is deeply engaged in teaching under graduate students. This department also extends facilities for research and development in various disciplines of Physiology. This year the Department of Physiology, is going to organize the conference "Recent Trends in Physiology and Healthcare Research for Salubrious Society" with an objective to promote teaching and research in basic Physiology in the country and abroad.

The Physiological Society of India (PSI) is the pioneer organization of the Physiologists of India. The Society first started functioning in Calcutta. But in course of time it became an all India organization of Physiologists, Pharmacologists, Biochemists and Medical students and teachers. It is indeed an honour to announce that the conference will be a platform to share views among eminent Physiologists, Scientists, Research Scholars and Students from all over the country and abroad. The Plenary Sessions, Symposium, Invited lectures, Oral and Poster presentations will cover all the aspects of modern Physiological Sciences.

During the period of Conference the weather will be pleasant and colourful. We hope that all the delegates will enjoy their comfortable stay in the historic city of Bankura and this will be a memorable and enjoyable Conference.

We look forward to your participation in the Conference focusing at Advances in Physiology - a Changing Paradigm during 15-17 November, 2019.

Welcome you to Bankura.

With warm regards,

Dr. Rajkumar Maiti
Organizing Secretary
PHYSICON-2019

Dr. Prithviraj Karak
Convener
PHYSICON-2019

Dr. Fatik Baran Mandal
Chairman
PHYSICON-2019

OUTLINE OF THE PROGRAMME

PHYSICON-2019 will discuss the importance of Physiology as a basic science to promote teaching and research. The conference will have technical sessions including key note address by eminent scientists, symposium, seminar, oral and poster presentations. In addition, a number of distinguished speakers will deliver orations conferred by the Physiological Society of India (PSI). The topics of discussion will be under the following heads.

- Cardiovascular Physiology
- Respiratory Physiology
- Renal Physiology
- GI Physiology
- Neurophysiology
- Electrophysiology
- Endocrine and Reproductive Physiology
- Sports & Exercise Physiology
- Ergonomics & Human Factors
- High Altitude & Desert Physiology
- Yoga and Life Style Management
- Nutrition & Dietetics
- Community Health
- Microbiology & Immunology
- Cancer Biology
- Biotechnology in Physiological Science
- Molecular Biology
- Genomics & Proteomics in Physiology
- Environmental Physiology
- Toxicology & Drug Development
- Industrial Pharmacology
- Nano-science & Physiology
- Allied Sciences related to Physiological Research

PHYSICON-2019 AWARDS

- ❖ Best Poster Awards for UG, PG & Ph.D students
- ❖ Young Scientist Awards (35 years and below)
- ❖ Oration Awards

PHYSICON-2019 PRESENTATIONS

Plenary Lectures, Oration Lectures, Invited Lectures, Oral Presentations, Posters (UG/PG/Ph.D students)

HOW TO REACH BANKURA CHRISTIAN COLLEGE

Bankura Christian College is situated in the heart of the Bankura city. The college is about 2 km from the Bankura Railway Station and Bankura Bus Stand. Bankura is well connected by South Eastern Railways. Nearby railway junction Durgapur is 45 km from Bankura city, which is well connected by railways from Kolkata/New Delhi/Mumbai/Chennai and other parts of India. Nearest Airport are Kazi Najrul Islam Airport, Durgapur and Netaji Subhas International Airport, Kolkata. You can also reach Bankura by road which is connected with NH14.

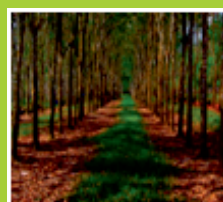
Places of Interest Near Bankura



Mukutmanipur is nearby major tourist attractions in Khatra subdivision. The second biggest earth dam of India is located in Mukutmanipur 55 km away from Bankura



Susunia Hill (1,200 ft.) is a known archeological and fossil site. It is a place of archaeological interest and a rock climbing centre in Bankura District.



Jhilimili is located around 70 km from Bankura. This place is famous for its dense forests and natural beauty. There is a watchtower here which offers a panoramic view of the surrounding area. The river Kangsabati flows through this forest.



Biharinath is the tallest hill of Bankura District. Biharinath is known as the Araku Valley of West Bengal. Biharinath offers a pollution-free green surroundings where water is panacea.



Bishnupur is a temple city about 45 Km from Bankura city. Bishnupur is famous for Lord Bishnu temple was built by Malla Dynasty and Lalbandh.

Climate

The month of November is very pleasant with maximum temperature ranges from 15°C to 31°C.

Payment Option

Payment can be made by an Account Payee Demand Draft from any Nationalized Bank drawn in favour of 'Bankura Christian College' payable at SBI, Bankura Branch, Bankura.

You can also send money through RTGS/NEFT Banking option mentioned below:

Name of A/C: **Bankura Christian College**

Bank: **SBI, Bankura**

Branch Code: **0022**

A/C No: **11110245059**

IFS Code: **SBIN0000022**

MICR: **722002002**



PHYSICON-2019



XXXIst Annual Conference of the Physiological Society of India

15th – 17th November, 2019

Registration Form

Name: Prof./Dr./Mr./Ms.....

Designation.....

Department.....

Institution.....

City..... State.....

Country..... Pin code.....

Tel. No. (O)..... *

Mobile..... Email.....

(Please tick the appropriate)

Sex	Male		Female	
-----	------	--	--------	--

Are you Life Member of the PSI?	Yes		No	
---------------------------------	-----	--	----	--

You are registering as

Delegates		Ph.D. Scholar	
Associate		Delegate PG Student	
Foreign Delegate		Accompanying Person	

Accommodation opted for

Guest House		Hotel		Own arrangement	
-------------	--	-------	--	-----------------	--

Food Habit	Vegetarian		Non-Vegetarian	
------------	------------	--	----------------	--

If Hotel, Specify type/ category (follow tariff chart)

Date of Arrival with time.....

Delegate Registration Fee: Rs.....

Associate Delegate Fee: Rs.....

Foreign Delegate Fee: US\$.....

Ph.D Scholar Fee: Rs.....

PG Student Fee: Rs.....

Accompanying Person Fee: Rs.....

Accommodation Fee: Rs.....

Grand Total: Rs.....

Enclosed DD No..... Date.....

For Rs..... in favour of

'Bankura Christian College' payable at SBI, Bankura.

Date:

Signature

ABSTRACT SUBMISSION FORM

ORAL/POSTER PRESENTATION

(Last date of Submission of Abstract: **20th October, 2019**)

Title of Presentation:
 Presenting at Prize Session (yes/No).....
 Author(s).....
 Department(s).....
 Institution (s).....
 City.....State.....Country.....Pin.....

Abstract must be written in English, within 200 words using Times New Roman font, letter size 12, single spacing. Name of the presenting author should be underlined. The affiliation of author(s) must be given. The abstract should be typed using single paragraph which should contain the Introduction, Materials and Methods, Results, Discussion and Conclusion. There should be 4 to 6 key words following the abstract. There should be one line gap between each section. The alignment and letter size of different sections are as follows-

Title : 14, Capitalization each word, centrally aligned
 Authors(s) : 14, Normal, Centrally aligned
 Affiliation : 12, Normal, Centrally aligned
 Abstract Text : 12, Normal, Justify aligned
 Key words : 12, Normal, Justify aligned

N.B.

- Abstract of registered participants will be only accepted. Registration fee is non-refundable.
- Soft copy of the abstract and duly filled in registration form should be submitted in CD/ E-mail to: **physiconbcc2019@gmail.com**
- Please also send 3 hard copies of abstract and registration form by post to the Organizing Secretary.
- All other correspondences should be addressed to the Organizing secretary by post or through E-mail: **physiconbcc2019@gmail.com**
- There will be separate poster sessions for UG/PG/Ph.D. students. The participants in poster sessions are requested to submit abstract along with letter from the Supervisor/Teacher, size of the poster 1 meter x 1 meter.
- All correspondence must be made to the Organizing Secretary.
- Full paper of the abstract may be send to the Editor-in-Chief, Indian Journal of Physiology and Allied Science, the official journal of The Physiological Society of India.

Registration Fees:

	Early Bird Registration (till 15 th October, 2019)		Late/Spot Registration	
	Member	Non Member	Member	Non Member
Delegates	Rs. 3000	Rs. 3500	Rs. 3500	Rs. 4000
Accompanying Person	Rs. 2000	Rs. 2500	Rs. 3000	Rs. 3500
Ph.D Scholars	Rs. 1200	Rs. 1500	Rs. 1500	Rs. 2000
PG Students	Rs. 1000	Rs. 1200	Rs. 1500	Rs. 1800
UG Students	Rs. 800	Rs. 800	Rs. 1000	Rs. 1200
Foreign Delegates	US\$ 300	US\$ 350	US\$ 350	US\$ 400

Accommodation Charges (approximate)/ Day

Dormitories	Single	Rs. 350	US\$ 50
Guest House	Single/Double Non-AC	Rs. 1000	US\$ 150
Hotel	Single Non-AC	Rs. 800	US\$ 200
Hotel	Double Non-AC	Rs. 1500	US\$ 250
Hotel	Single - AC	Rs. 1500	US\$ 250
Hotel	Double - AC	Rs. 2200	US\$ 275

Conference Organizing Committee

Chief Patron	Chairman, Governing Body, Bankura Christian College
Chief Guest	Prof. Deb Narayan Bandyopadhyay, Vice-Chancellor, Bankura University
Guest of Honour	Prof. Nimai Chandra Saha, Vice-Chancellor, The University of Burdwan
Chairman	Dr. Fatik Baran Mandal, Principal Bankura Christian College
Convener	Dr. Prithviraj Karak
Organizing Secretary	Dr. Rajkumar Maiti
Treasurer	Dr. Prithviraj Karak Dr. Bikash Chakraborty

INTERNATIONAL ADVISORY COMMITTEE

Prof. Elizabeth N. Pearce (USA)
 Prof. Savithri Wimalasekera (Sri Lanka)
 Prof. Noorzahan Begam (Bangladesh)
 Prof. Nanduri R. Prabhakar (USA)
 Prof. Nayma Sultana (Bangladesh)
 Prof. Pradip Dudeja (USA)
 Prof. Sharaine Femando (Sri Lanka)
 Dr. Sultana Ferdousi (Bangladesh)
 Prof. Subimal Dutta (USA)
 Prof. Arif Siddiqui (Pakistan)
 Prof. Clive Orchard (UK)
 Prof. D.M.S. Fernando (Sri Lanka)
 Prof. Nola Dippenaar (South Africa)
 Prof. Carroll Robert G (USA)
 Prof. Stuart J. Semple (Australia)
 Prof. Animesh Dhar (USA)
 Prof. Parimal Chowdhury (Israel)
 Prof. Ratna Roy (USA)
 Prof. Hakan Gür (Turkey)
 Prof. Thanasis (Athanasios) Jamurtas (Greece)
 Prof. Sikha Saha (UK)
 Prof. Mike McGuigan (New Zealand)

NATIONAL ADVISORY COMMITTEE

Dr. Shashi Bala Singh (NIPER, Hyderabad)
 Dr. Bhuvnesh Kumar, (Director, DIPAS)
 Prof. Siddhartha Roy (Bose Institute, Kolkata)
 Dr. W. Selvamurthy (ASTIF, Noida)
 Prof. Dhruvajyoti Chattopadhyay (Kolkata)
 Prof. Birendra Nath Mallick (JNU, New Delhi)
 Dr. Shyamal Roy (IICB, Kolkata)
 Prof. Goutam Paul (Kalyani)
 Prof. Manoj Kumar Chakrabarti (Kolkata)
 Prof. Amar Kumar Chandra (Kolkata)
 Prof. Somnath Gangopadhyay (Kolkata)
 Prof. Krishna Roy (Kolkata)
 Prof. S.B. Deshpande (Banaras)
 Prof. Tusharkanti Ghosh (Kolkata)
 Prof. Somnath Roy (Midnapore)
 Prof. Prakash Chandra Dhara (Midnapore)
 Prof. Debidas Ghosh (Midnapore)
 Prof. Chandradipa Ghosh (Midnapore)
 Prof. Antony Gomes (Kolkata)
 Prof. Taniya Das (Bose Institute, Kolkata)
 Prof. A.K. Ghosh (IIT, KGP)

NATIONAL ADVISORY COMMITTEE

Dr. Madhusudan Pal (DRDO, Delhi)
 Prof. Nihar Ranjan Jana (IIT, KGP)
 Dr. Rita Banerjee (New Delhi)
 Dr. C. K. Pradhan (Kolkata)
 Prof. Kusal Kanti Das (Bijapur)
 Dr. P.K. Nag (Kolkata)
 Dr. Anand, B.K. (New Delhi)
 Prof. Arun Kumar Ray (Kolkata)
 Prof. K. K. Deepak (New Delhi)
 Prof. Amitabha De (NITIE, Mumbai)
 Dr. Farah Khaliq (New Delhi)
 Dr. Mantu Saha (DRDO, New Delhi)
 Dr. Bhaskar Saha (NCCS, Pune)
 Prof. Debjani Guha (Kolkata)
 Prof. K Muralidhar (New Delhi)
 Dr. Debabrata Ghosh (AIIMS, New Delhi)
 Prof. Devashish Sen (Kolkata)
 Prof. G. K. Pal (Puducherry)
 Dr. Girish Sahni, (New Delhi)
 Dr. Anand Bhaskar (CMC, Vellore)
 Prof. Ramji Singh (AIIMS, Patna)
 Prof. Debasish Bandopadhyay (Kolkata)
 Dr. Ratna Sharma (AIIMS, New Delhi)
 Prof. Sanjit Dey (Kolkata)
 Prof. A. M. Chandra (Kolkata)
 Dr. Sujata Maity (Choudhury) (Midnapore)
 Dr. B S S Rao (NIMHANS, Bangaluru)
 Dr. Dilip Kumar Nandi (Midnapore)
 Dr. Hrudananda Mallick (AIIMS, New Delhi)
 Prof. Gulshan Lal Khanna (Faridabad)
 Prof. Prabir Kumar Mukhopadhyay (Kolkata)
 Dr. Jayanti Mishra (KIMS, Bhubaneswar)
 Dr. Sudeep Satpathy (KIMS, Bhubaneswar)
 Prof. Biswadev Bishayi (Kolkata)
 Prof. Nilkanta Chakraborty (Kolkata)
 Dr. Amit Bandyopadhyay (Kolkata)
 Prof. Keshab Chandra Mondal (Midnapore)
 Dr. Prasunpriya Nayak (AIIMS, Jodpur)
 Dr. Dinesh Badyal (FAIMER, Ludhiana)

EXECUTIVE MEMBER OF PSI

President	Prof. Amar Kumar Chandra
Vice President	Prof. Manoj Kumar Chakrabarty Prof. Kushal Kanti Das Prof. Prasunpriya Nayak
General Secy.	Prof. Somnath Gangopadhyay
Assistant General Secy.	Prof. Krishna Roy Dr. Dilip Kumar Nandi Dr. Sukanta Mondal Dr. Amit Bandyopadhyay
Treasurer	Prof. Arun Kumar Ray
Member	Prof. Goutam Paul Prof. Nilkanta Chakrabarty Dr. Rajen Haldar Dr. Arijit Chakraborty Prof. Debkumar Chakrabarti Prof. Sandhya T. Avadhany Prof. Samir Kumar Sil Prof. Keshab Chandra Mondal Dr. Smritiratan Tripathy Dr. Nibedita Naha



PHYSICON-2019

XXXIst Annual National Conference of the Physiological Society of India



15th –17th November, 2019

Conference Theme

**Recent Trends in Physiology and Healthcare
Research for Salubrious Society**

Organized by

Department of Physiology
 Bankura Christian College
 Bankura-722 101
 West Bengal, India

Website: www.bankurachristiancollege.in



Organizing Secretary

Dr. Rajkumar Maiti
 Department of Physiology,
 Bankura Christian College
 Bankura - 722101
 West Bengal, India
 Phone: (+)7001978439; 9474000170
 E-mail: physiconbcc2019@gmail.com

Convener

Dr. Prithviraj Karak
 Department of Physiology,
 Bankura Christian College
 Bankura - 722101
 West Bengal, India
 Phone: (+)8637085791; 9830009422
 E-mail: physiconbcc2019@gmail.com