



Bodhi International Conference on  
**ENGAGING DEVELOPMENT:  
PROBLEMS AND PROSPECTS IN  
SCIENCE, SOCIAL SCIENCES, HUMANITIES  
ENGINEERING AND TECHNOLOGY**

**22 & 23 April 2022**

**EDPPSSSHET 2022**



**Venue : Saradha Gangadharan College, Puducherry**

*Jointly Organized by*

**THE AMERICAN COLLEGE** (Autonomous)

(Affiliated to MK University, Re-accredited (2nd cycle) by NAAC with Grade "A" CGPA-3.46 on a 4-points scale)  
Madurai, Tamil Nadu, India | [www.americancollege.edu.in](http://www.americancollege.edu.in)

**SARADHA GANGADHARAN COLLEGE**

(Affiliated to Pondicherry University, NAAC accredited Institution, Recognized by UGC u/s 2(f) of the UGC Act, 1956 as a PG Institution)  
Puducherry, India | [www.sgc.edu.in](http://www.sgc.edu.in)

**BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH**

(Declared as DEEMED-TO-BE-UNIVERSITY u/s 3 of the UGC Act, 1956)  
Chennai, Tamil Nadu, India | [www.bharathuniv.ac.in](http://www.bharathuniv.ac.in)

**BODHI INTERNATIONAL JOURNAL OF RESEARCH IN HUMANITIES, ARTS AND SCIENCE**

An Online, Peer-reviewed, Refereed and Quarterly Journal with Impact Factor  
India | [www.bodhijournals.com](http://www.bodhijournals.com)

## GREETINGS!

We cordially invite you to the Bodhi International Conference on “**Engaging Development: Problems and Prospects in Science, Social Sciences, Humanities, Engineering and Technology**” scheduled on 22 & 23 April 2022 at Saradha Gangadharan College, Puducherry.

### ABOUT THE AMERICAN COLLEGE, MADURAI



The American College is a 139-year-old NAAC-reaccredited 'A' grade, autonomous institution affiliated to Madurai Kamaraj University, Madurai. It is known for its focus on academic excellence and social relevance. It played a pioneering role in the development of college autonomy in India in 1978. Its successful early implementation of Choice Based Credit System (CBCS) under autonomy and its completion of 139 years of service bear testimony to the position that the college currently enjoys.

Today, the College offers 35 undergraduate, 21 postgraduate, 10 MPhil, and 9 Research Departments in the Main campus. Eight undergraduate, one postgraduate, and one MPhil programme in the satellite campus that is located on a 59 acre land at the foot of the Western Ghats on the outskirts of the City with two state-of-the-art buildings designed in Chettinad Style developed in 2015-2016. The College has two autonomous Centres: Department of Applied Science (DAS) and Study Centre for Indian Literature in English and Translation (SCILET) that receives international attention. The College has a strength of 11000+ students.

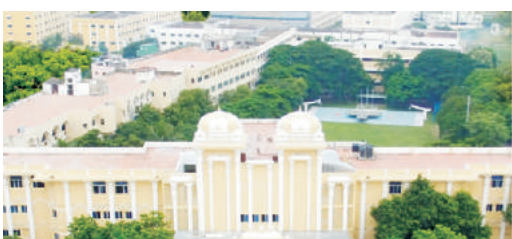
### ABOUT THE SARADHA GANGADHARAN COLLEGE, PUDUCHERRY



Saradha Gangadharan College is one of the reputed Co-Educational Institutions, established in the year 2001 with a visionary and missionary zeal. The Institution has a Vision “To be a preferred UG and PG Educational Institution in Arts, Commerce and Science. To offer value based education and make the students realize their role in serving the society and contribute to the national development”. The propelling start of this institution opened the educational corridors to the peasant community of rural students in and around the Union Territory of Puducherry. The

College, affiliated to Pondicherry University has 09UG and 04 PG Programmes. Having a motto of “Empowering Exceptional Minds”, the institution has set its well-defined goals and is marching towards educational excellence. The proof of its adherence to standard lies in the milestone achievement of having recognized by UGC under Section 2(f) of the UGC Act 1956 as PG Institution, NAAC Accredited Institute ,an ISO 9001:2015 Certified Institute and qualified for recognition under 12(b) of the UGC Act 1956. The College has carved a niche for itself among all stakeholders by providing a safe environment and merit based education through a supportive and visionary management. The students are empowered through value based education, discipline and varied extension activities. The College supports acquisition of knowledge by students through emphasis on interactive and participative learning. The College is expanding the horizons of knowledge by networking itself with Industries and Higher Educational Institutions to provide a relentless pursuit of academic excellence. The college is a flare of hope for the deserving yet socially and economically challenged students, a policy that was envisioned by our beloved Founder.

### ABOUT BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH, CHENNAI



Bharath Institute of Higher Education and Research (BIHER), the first private Technical Institute in Tamilnadu provides multi-stream, multi-cultural and quality higher education to nearly 20000 students from around the world. Bharath is an institute of excellence with state-of-the-art facilities that functions in 6 campuses both in Tamil Nadu and Pudhucherry. Bharath is a premier institute with numerous MoUs with international universities and organizations offering faculty and student

exchange programs to promote rigorous and competent academics. The institution envisions and constantly strives to provide an excellent academic and research ambience to students and faculty members to acquire professional competence along with human dignity, and spearhead the transformation of community towards



continuous discovery in Humanities, Sciences, Technology and Law. Currently, BIHER promotes interdisciplinary learning with 12 different disciplines such as Medicine, Engineering and Technology, Law, Agriculture, Architecture, Management and Commerce, Allied Health Sciences, Basic Sciences and Arts.

#### **ABOUT THE DEPARTMENT OF ENGLISH**

Established in the year 1984, the department boasts of long-standing academic excellence in teaching language, literature and linguistics. The department of English is a resource - rich academic unit that runs UG, PG, M.Phil and Ph.D programmes besides catering to the language needs of the first year technical students. The department is an enriching, organic entity that hones the productive skills in students, inculcate aesthetic sense and conduct events with academic zeitgeist to a cross-cultural student body. The primary objective of the department is to offer pedagogy that integrates human values, corporate wisdom and systematic academics.

#### **ABOUT BODHI INTERNATIONAL JOURNAL**

The Bodhi International Journal of Research in Humanities, Arts and Science is an Online, Peer Reviewed, Refereed and Quarterly Journal with Impact Factor. The Journal is committed to bring together academicians, research scholars and students from all over the world, who strive professionally to upgrade the status of academic career and the society by their innovative ideas. The journal also aims at promoting interdisciplinary studies in the fields of humanities, arts and sciences.

#### **ABOUT CONFERENCE**

International Conference on Engaging Development: Problems and Prospects in Science, Social Sciences and Humanities is bring together academicians, Scientists, Researchers, Scholars and Students to exchange and share their Knowledge, experiences and research results on the aspects of advancements in the field of Science, Social Sciences and Humanities. This open platform diverted by practical exposure in the form of specialized sessions, poster presentations, plenary sessions and renowned speeches from the leading academicians reinforcing the upcoming challenges to be faced and their potential solutions. Conference will be held in Saradha Gangadharan College, Pondicherry on 22 & 23 April 2022.

This Conference will address multiple topics and issues of interest in the areas of Science, Social Sciences and Humanities.

#### **Science**

Physics  
Chemistry  
Mathematics  
Botany  
Biology  
Zoology  
Computer Science  
Environmental Studies

#### **Communication studies**

Education  
History & Geography  
Library science  
Media studies  
Political science  
Psychology  
Public administration  
Sociology & Social work

#### **Engineering and Technology'**

#### **Social Sciences**

Food & Agriculture  
Management  
Commerce  
Economics  
Anthropology

#### **Humanities**

English Language Teaching  
Literature  
Philosophy  
Art  
Law  
Visual art

This conference seeks presenters who could bring in Recent Trends and Approaches from the field of Multidisciplinary, through Intradisciplinary, interdisciplinary and Transdisciplinary Research, which would benefit the global community.

#### **PROCEDURE FOR PAPER SUBMISSION**

Articles should be in Times New Roman, size: 12 double-spaced and submitted only in MS Word 2003/ 2007 version. All papers should follow their discipline manuals. The abstract must not be exceeding 250 words and the full paper should not exceed 2500 words, including tables and references. The paper should comprise the following sections: Title Page, Abstract, Keywords, Introduction, Material & Methods, Findings & Results, Interpretation & Discussion and Conclusion. Authors should ensure that they use correct and complete

references in their abstracts and presentation. Authors should submit manuscript through e-mail attachment to the review committee at [conferencebodhi@gmail.com](mailto:conferencebodhi@gmail.com). A manuscript number will be emailed to the corresponding author.

### REVIEW PROCESS

Articles will be evaluated on parameters of originality, relevance, and contribution to the current academic scenario. They will be subject to a single-blind peer review.

### PLAGIARISM ALERT & DISCLAIMER

Contributors are advised to be strict in academic ethics with respect to acknowledgment of the original ideas borrowed from others. The Conference team & editors will not be held responsible for any such lapse of the contributor regarding plagiarism. All submissions should be original and must be accompanied by a declaration stating the research paper as an original work and it has not been published anywhere else.

### PAPERS PRESENTED IN-ABSENTIA

Papers can be presented in-absentia also. It is an opportunity for the scholars who are unable to participate in-person and present their papers. Papers presented in-absentia are eligible for publication in the book with ISBN/Peer-reviewed Journal with ISSN subjected to the approval of the panel. A processing fee of **Rs.500/-** in addition to the registration fee has to be paid for each paper presented in absentia.

### PUBLICATION

Selected papers will be published in Chapter Edited Book with ISBN / Peer-reviewed & Refereed Journal with ISSN and it is not a Conference Proceedings. Hard copy of the published book will be couriered to all the scholars whose papers were selected and published.

### REGISTRATION DETAILS

Participants should send the duly filled in registration form, along with the registration fee credit through online transfer.

Account name : BODHI INTERNATIONAL JOURNAL  
Account No. : 37372044860  
IFS Code : SBIN0018158  
Bank Name : STATE BANK OF INDIA  
Branch Name : Andalpuram, Madurai.

### The Registration & Publication fees are as below:

For Only Participation : Rs.1000/-  
Participation & Presentation : Rs.1200/-  
Participation, Presentation & e-Publication : Rs.1700/-  
Participation, Presentation & e-Publication with Hard copy : Rs.2000/-

### GENERAL INSTRUCTIONS TO THE PARTICIPANTS

- \* Last date for Registration, submission of abstract & full paper: 20/04/2022.
- \* Registration fees for co-authored papers should be paid separately.
- \* On the spot registration will also be accepted and those papers will be published.
- \* Reg. Fee includes Conference Kit, Refreshments & Lunches for both days.
- \* Accommodation will be arranged based on request with nominal charge for out station participants.
- \* The Published book will be sent through Courier, after the Conference.
- \* The Schedule and all other instructions will be sent only through WhatsApp. So joining the WhatsApp Group is mandatory for all registered participants.
- \* Authors should submit Filled Registration Form, Abstract and Full papers as an e-mail attachment to [conferencebodhi@gmail.com](mailto:conferencebodhi@gmail.com)
- \* For Further Details: 9944212131

# ORGANIZING COMMITTEE MEMBERS

## CHIEF PATRONS

### **Dr.M. DAVAMANI CHRISTOBER**

Principal & Secretary  
The American College, Madurai, Tamil Nadu, India

### **Mr.S. JAGATHRAKSHAKAN**

Chairman & Founder  
Bharath Institute of Higher Education and Research, Chennai

### **Shri G. SWAMINATHAN**

Chairman  
Saradha Gangadharan College, Puducherry

## PATRONS

### **Prof.K. VIJAYA BHASKAR RAJU**

Vice Chancellor

### **Dr.R.M. SURESH**

Pro-Vice Chancellor

### **Dr.M. SUNDARARAJAN**

Pro-Vice Chancellor (Academics)

### **Dr.R. HARIPRAKASH**

Additional Registrar  
Bharath Institute of Higher Education and Research, Chennai

### **Dr.S. PAZHANIRAJA**

Vice Chairman  
Saradha Gangadharan College, Puducherry

## CHAIR PERSONS

### **Dr.K. UTHAYASURIYAN**

Principal  
Saradha Gangadharan College, Puducherry

### **Dr.C.DOROTHY SHEELA**

Bursar  
The American College, Madurai, Tamil Nadu, India

## ADVISORS

### **Dr.A.MARTIN DAVID**

Controller of Examinations  
The American College, Madurai, Tamil Nadu, India

### **Dr.M. BALAKRISHNAN**

Dean of Self-Financed Programmes  
The American College, Madurai, Tamil Nadu, India

### **Dr.P. KAMARAJ**

Dean, Science and Humanities

### **Dr.G. MATHUBALA**

HoD, Science and Humanities  
Bharath Institute of Higher Education and Research, Chennai

### **Dr. MAMTA BRAHMBHATT**

Associate Professor & Head  
B.K. School of Professional & Management Studies  
Gujarat University, Ahmedabad, Gujarat, India

### **Dr.S. THEENATHAYALAN**

Associate Professor & Head  
PG & Research Department of Economics  
The Madura College Madurai, Tamil Nadu, India

## CONVENERS

### **Dr.J. PAUL JAYAKAR**

Dean for International Exchange & Study Abroad  
The American College, Madurai, Tamil Nadu, India

### **Dr.V. JEYA SANTHI**

Associate Professor of English  
Bharath Institute of Higher Education and Research, Chennai

### **Dr.T. MUTHUKUMARAN**

Assistant Professor of Management Studies  
Saradha Gangadharan College, Puducherry

### **Dr.J. KARTHIKEYAN**

Associate Professor of English  
Vellore Institute of Technology, Vellore, Tamil Nadu, India

### **Dr.K. KAVIARASU**

Associate Editor in Bodhi Journal & Assistant Professor of English  
Vivekananda College, Agastheeswaram  
Kanniyakumari, Tamil Nadu, India

### **Dr.S. BALAKRISHNAN**

Publisher & Managing Editor  
BODHI International Journal of Research in Humanities,  
Arts and Science, India

## ORGANISING SECRETARIES

### **Dr.V. IMMANUEL**

Professor of English  
Bharath Institute of Higher Education and Research, Chennai

### **Dr.JEMIMA**

Assistant Professor of Chemistry  
The American College, Madurai, Tamil Nadu, India

### **Mr.J.JUSTIN MANOHAR**

Dean of Academic Advising  
The American College, Madurai, Tamil Nadu, India

### **Dr.M.BEAULA RUBY KAMALAM**

Additional Dean of Women Students  
The American College, Madurai, Tamil Nadu, India

### **Dr.P.M. ANURAMA**

Assistant Professor  
Department of Religion, Philosophy and Sociology  
The American College, Madurai, Tamil Nadu

### **Dr. D. LOURDU IMMACULATE**

Assistant Professor of Mathematics  
The American College, Madurai, Tamil Nadu

### **Dr.JEBARAJ**

Assistant Professor of Economics  
The American College, Madurai, Tamil Nadu

### **Dr.A. ANNA SHEELA**

Assistant Professor of Mathematics  
Saradha Gangadharan College, Puducherry

### **Dr. PRADEEP WAGHMARE**

Assistant Professor of History  
Ramnarain Ruia Autonomous College, Mumbai, Maharashtra, India

## COORDINATORS

### **Dr.P. ARULAPPAN**

Head in-charge & Assistant Professor  
Department of Religion, Philosophy and Sociology  
The American College, Madurai, Tamil Nadu

### **Dr.K. USHA**

Assistant Professor of Economics  
The American College, Madurai, Tamil Nadu

### **Mr. M. RAJESH**

Assistant Professor of Zoology  
The American College, Madurai, Tamil Nadu

### **Dr.M. GAYATRI**

### **Ms.K. JANCY**

### **Ms.K. SURODUSVINI**

Assistant Professors of English  
Bharath Institute of Higher Education and Research, Chennai

### **Mrs.S.SAVITHA**

Assistant Professor of Computer Science  
Saradha Gangadharan College, Puducherry.

# Bodhi International Conference On **ENGAGING DEVELOPMENT: PROBLEMS AND PROSPECTS IN SCIENCE, SOCIAL SCIENCES, HUMANITIES, ENGINEERING AND TECHNOLOGY'. (EDPPSSHET 2022)**

**22 & 23 April 2022**

## Registration Form



Participant's Name : \_\_\_\_\_

Designation : \_\_\_\_\_

Institution Address : \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Mobile No : \_\_\_\_\_

Title of the Paper : \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Status (Please Tick)                      Participation:                       Paper Presentation:

   e-Publication:                       e-Publication with Hard Book:                       In "Absentia":

Postal Address : \_\_\_\_\_  
for Absentia \_\_\_\_\_  
\_\_\_\_\_

### Registration Details

Amount transaction Date : \_\_\_\_\_ Bank : \_\_\_\_\_

Amount & Transaction ID : \_\_\_\_\_

### Declaration

I/We hereby declare that the paper submitted by me/us is based on the original work carried out by me/us. Any reference to work done by any other person or institution or any material obtained from other sources have been duly cited and referenced. I/We permit editors to publish the above mentioned paper in the book/journal or in any other means with editorial modification, if any. I/We agree to compensate the Editors, against all claims and expenses arising from any breach of warranty on my/our behalf in this agreement.

Place: \_\_\_\_\_  
Date: \_\_\_\_\_ Signature of the Contributor(s)

**\*Registration Form is Mandatory**

- Authors should submit Filled in Registration Form and papers as an e-mail attachment to [conferencebodhi@gmail.com](mailto:conferencebodhi@gmail.com)
- For Further Details: 9944212131