



ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

A Unit of Alva's Education Foundation (R)

(Affiliated to Visvesvaraya Technological University, Belagavi

Approved by AICTE, New Delhi & Recognised by Government of Karnataka)

Shobhavana Campus, Mijar, Moodbidri - 574 225, Mangalore, D.K., Karnataka State.

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Email : principalaiet08@gmail.com, Web:www.aiet.org.in


Endorsement from the Head of the Institution of Co-Investigators


This is to certify that:

1. Institute welcomes participation of Dr. Jayarama A, Associate Professor, as the Co- Investigator-2 and Dr. Richard Pinto, as the Co- Investigator-3 for the project titled Electrochemical discharge machined serpentine micro-channels in fused quartz for photo-catalytic in-situ hydrogen evolution in hydrogen fuel cells to be submitted by Dr. Siddharth Duttagupta as Principal Investigator and Dr. Pradeep Dixit as Co-Investigator-1 both from IIT Bombay, and that in the unforeseen event of discontinuance by the Principal Investigator, the Co-Investigator will assume the responsibility of the fruitful completion of the project with the approval of SERB.
2. The Co- Investigator-2 Dr. Jayarama A. and and Co- Investigator-3 are regular employees of this Institute/University/Organization and Dr. Jayarama A. has 15 years of regular service left before superannuation.
3. The project starts from the date on which the University/Institute/ Organization receives the grant from SCIENCE & ENGINEERING RESEARCH BOARD (SERB), New Delhi.
4. The investigator will be governed by the rules and regulations of University/Institute/Organization and will be under administrative control of the University/Institute/Organization for the duration of the project.
5. The grant-in-aid by the SCIENCE & ENGINEERING RESEARCH BOARD (SERB), New Delhi will be used to meet the expenditure on the project and for the period for which the project has been sanctioned as mentioned in the sanction order.
6. No administrative or other liability will be attached to SCIENCE & ENGINEERING RESEARCH BOARD (SERB), New Delhi at the end of the project.
7. The University/Institute/Organization will provide basic infrastructure and other required facilities to the investigator for undertaking the research project.
8. The University/ Institute/Organization will take into its books all assets created in the above project and its disposal would be at the discretion of SCIENCE & ENGINEERING RESEARCH BOARD (SERB), New Delhi.
9. The University/ Institute/Organization assume to undertake the financial and other management responsibilities of the project.

Date: 22-02-2021



Signature  Principal Institute
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225


H.O.D.
Dept. Of Physics
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

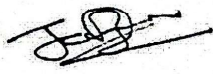
Certificate from the Co-Investigators

Project Title: Electrochemical discharge machined serpentine micro-channels in fused quartz for photo-catalytic in-situ hydrogen evolution in hydrogen fuel cells

It is certified that

1. The same project proposal has not been submitted elsewhere for financial support.
2. We undertake that spare time on equipment procured in the project will be made available to other users.
3. We agree to submit a certificate from Institutional Biosafety Committee, if the project involves the utilization of genetically engineered organisms. We also declare that while conducting experiments, the Biosafety Guidelines of Department of Biotechnology, Department of Health Research, GOI would be followed in toto.
4. We agree to submit ethical clearance certificate from the concerned ethical committee, if the project involves field trails/experiments/exchange of specimens, human & animal materials etc.
5. The research work proposed in the scheme/project does not in any way duplicate the work already done or being carried out elsewhere on the subject.
6. We agree to abide by the terms and conditions of SERB grant.

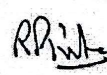
Name and signature of Co-Investigator-2: Dr. Jayarama A



Date: 22-02-2021

Place: AIET, Moodbidri

Name and signature of Co-Investigator -3: Dr. Richard Pinto



Date: 22-02-2021

Place: AIET, Moodbidri





भारतीय प्रौद्योगिकी संस्थान मुंबई
पवई, मुंबई-400 076, भारत
Indian Institute of Technology Bombay
Powai, Mumbai-400 076, India



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IIT Bombay

Certificate from the Investigator

Project Title: Electrochemical discharge machined serpentine micro-channels in fused quartz for photo-catalytic in-situ hydrogen evolution in hydrogen fuel cells

It is certified that

1. The same project proposal has not been submitted elsewhere for financial support.
2. We undertake that spare time on equipment procured in the project will be made available to other users.
3. We agree to submit a certificate from Institutional Biosafety Committee, if the project involves the utilization of genetically engineered organisms. We also declare that while conducting experiments, the Biosafety Guidelines of Department of Biotechnology, Department of Health Research, GOI would be followed in toto.
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5. The research work proposed in the scheme/project does not in any way duplicate the work already done or being carried out elsewhere on the subject.
6. We agree to abide by the terms and conditions of SERB grant.

Name and signature of Principal Investigator: Dr. Siddhartha P Duttagupta

Date: 24-02-2021

Place: IITB, Mumbai

Name and signature of Co-PI-1: Dr. Pradeep Dixit

Date: 24-02-2021

Place: IITB, Mumbai

24.02.2021



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IIT Bombay


Endorsement from the Head of the Institution of PI

This is to certify that:

1. Institute welcomes participation of Dr. Siddhartha P. Duttgupta, Associate Professor, as the Principal Investigator and Dr. Pradeep Dixit, as the Co- Investigator-1 for the project titled **Electrochemical discharge machined serpentine micro-channels in fused quartz for photo-catalytic in-situ hydrogen evolution in hydrogen fuel cells and that in the** unforeseen event of discontinuance by the Principal Investigator, the Co-Investigator will assume the responsibility of the fruitful completion of the project with the approval of SERB.
2. The PI, Dr. Siddhartha P. Duttgupta is a permanent/ regular employee of this Institute and has 13 years of regular service left before superannuation.
3. The project starts from the date on which the Institute receives the grant from SCIENCE & ENGINEERING RESEARCH BOARD (SERB), New Delhi.
4. The investigator will be governed by the rules and regulations of Institute and will be under administrative control of the Institute for the duration of the project.
5. The grant-in-aid by the SCIENCE & ENGINEERING RESEARCH BOARD (SERB), New Delhi will be used to meet the expenditure on the project and for the period for which the project has been sanctioned as mentioned in the sanction order.
6. No administrative or other liability will be attached to SCIENCE & ENGINEERING RESEARCH BOARD (SERB), New Delhi at the end of the project.
7. The Institute will provide basic infrastructure and other required facilities to the investigator for undertaking the research project.
8. The Institute will take into its books all assets created in the above project and its disposal would be at the discretion of SCIENCE & ENGINEERING RESEARCH BOARD (SERB), New Delhi.
9. The Institute assumes to undertake the financial and other management responsibilities of the project.

Seal of Institute

Date: February 22, 2021


22/2/2021
Signature Head of the Institute

सह संकायाध्यक्ष, शोध एवं विकास
Associate Dean, Research and Development
कुल निदेशक, आय आर टी मुंबई
For Director, IIT Bombay