

वनस्थली विद्यापीठ  
पो. वनस्थली विद्यापीठ ३०४०२२  
(राजस्थान)



BANASTHALI UNIVERSITY  
P.O. BANASTHALI VIDYAPITH 304022  
(RAJASTHAN)

K.A./5291/2017-2018

Dated: 10.05.2017

### Certificate

This is to certify that Dr. Mousumi Debnath served the Banasthali Vidyapith as Associate Professor in the Department of Bio-science & Bio-technology on contract basis from 01.07.2015 to 08.05.2017 in the Payband 15600-39100 and other allowances as per Banasthali Vidyapith rules.

During her tenure here, she taught Under-graduate & Post-graduate classes.

Offg. Secretary  
Banasthali Vidyapith





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e-mail : info@cegtesthouse.com, URL : www.cegtesthouse.com

**TO WHOMSOEVER IT MAY CONCERN**  
**(Relieving cum Experience Certificate)**

**Dr. Mousumi Debnath** has worked in our organization as Chief General Manager for the period from 03<sup>rd</sup> December, 2012 to 02<sup>nd</sup> May, 2015.

We wish all success in her future endeavor.

**For CEG TEST HOUSE AND RESEARCH CENTRE PVT. LTD.**

**(Dr. RANU JAIN)**  
Managing Director

May 02, 2015



**Dr. Kalyan Hironi**

M.A., Ph.D.

**Registrar**

E-mail: registrar.curaj@gmail.com

Website: http://www.curaj.ac.in



**राजस्थान केन्द्रीय विश्वविद्यालय**  
**Central University of Rajasthan**

(Established under the Central Universities Act, 2009)

City Road, Kishangarh - 305 802  
District Ajmer, Rajasthan, INDIA

Phone (Office): (+91) 01463 246737

Telefax: (+91) 01463 246735

Date .... **4** APR 2012

No. CURAJI R/F.34/5795

### EXPERIENCE CERTIFICATE

This is to certify that Dr. Mousumi Debnath has worked as an Associate Professor in the Department of Biotechnology in Central University of Rajasthan on purely temporary basis from July 12, 2011 to March 31, 2012.

(Dr. K.M. Hironi)

Registrar

Central University of Rajasthan

Thozet Building,  
Rockhampton Qld 4702  
Phone: + 61 (0)7 49 30 9770  
Fax: + 61 (0)7 49 30 9255  
Email: [d.midmore@cqu.edu.au](mailto:d.midmore@cqu.edu.au)  
www: <http://www.cqu.edu.au/cpws>

11<sup>th</sup> August 2012.

To whom it may concern:

By way of this letter I should like to advise you that

**A/Prof Mousumi Debnath**

was the recipient of an Australian Government Endeavour Research Award Fellowship and spent four months, from April 2012 to August 2012 under my co-supervision as a senior researcher in the Centre for Plant and Water Science at Central Queensland University. She was a valuable asset to us during that time, and was engaged in a number of activities, with funding from CQU and the Australian Government.

Mousumi mastered a number of techniques during her undertaking of her research on a major project that focused on the physiological response to salinity in the natural sweetener, *Stevia rebaudiana*.

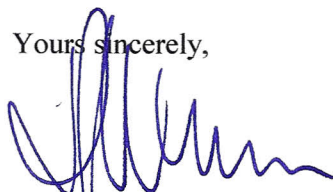
These involved the use of chlorophyll fluorescence, the SPAD chlorophyll meter and its calibration for chlorophyll content, Westcor pressure bomb, HPLC, GC/MS, the osmometer, of scanning technology for measuring root distribution, and a range of quantitative measures on plant growth type. She also used apparatus to measure canopy temperature (with IR thermometry), and gained a good grounding in experimental design and data analyses from the various pieces of equipment.

Much of the data are in the process of being written for journal publications.

Her involvement in this study was timely, and set the scene for further research on metabolomics of steviol glycosides, with a view to increasing their concentration in the stevia plant.

I trust this gives you a good idea of the activity undertaken by Dr Mousumi while in Australia. We were very pleased with her performance.

Yours sincerely,



David J. Midmore  
Foundation Professor of Plant Sciences, and  
Director of the Centre for Plant and Water Science





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*Prof. H.N. Verma*

*M.Sc., Ph.D., F.P.S.I., F.N.A.Sc.*

**Rector**

(Former Pro-Vice Chancellor, Dean, Head of Botany

Lucknow University)

E-Mail : [vermalko@yahoo.co.uk](mailto:vermalko@yahoo.co.uk)

Saturday, March 24, 2012

### TO WHOMSOEVER IT MAY CONCERN

**Dr. Mousumi Debnath** was working as **Lecturer** and later **Reader** (Associate Professor) in the **Department of Biotechnology** of School of Engineering and Life Sciences of Seedling Academy College of Design Technology and Management (SADTM), Jaipur from 16<sup>th</sup> August 2003 to 31<sup>st</sup> August 2007. The Seedling Academy has now been merged with Jaipur National University, after its establishment in October, 2007.

As Rector of the Seedling Academy and subsequently as Pro-Vice-Chancellor, I had the opportunity to closely interact with her since the time she has joined the College. She is very genuine in pursuit of her academic excellence. She is a highly motivated researcher and an excellent teacher.

Her lab-work is very perfect and creditable. I have seen a keen urge in her to understand and mentor students, concepts beyond the theoretical purview reflecting her potential for research. I had been a regular visitor of the Plant tissue culture lab. where she was actively involved in Micropropagation work. Most of her research work had been on the Abiotic stress of medicinal plants. Mousumi was one of the leading members of our research and development unit at SADTM. She is a potential and an influential orator.

Mousumi is a person of high moral and ethical standards. She puts forth all her efforts into any task that she confronts. Through her hard work she has earned appreciation and admiration among her peer group and also among the students. She has necessary determination and ability to accomplish fairly difficult tasks.

I feel that her academic proficiency and potential for research make her one of the truly outstanding candidates I have come across.

I wish her success in her future endeavours.

**(Prof. H.N. Verma)**

**(SEEDLING ACADEMY ISO-9001:2000 CERTIFIED)**

Postal Address : Khorebariyan, Jagatpura, Jaipur; Ph. : 0141-2753377, 2754399, 2752418

Web site : [www.seedlingeducation.com](http://www.seedlingeducation.com); E-mail : [seedlingacademy@hotmail.com](mailto:seedlingacademy@hotmail.com)



**MAHATMA JYOTI RAO PHOOLE P.G. MAHILA MAHAVIDYALAYA**

Ram Nagar Extension, New Sanganer Road, Sodala, JAIPUR-302019

☎ 91-101-295101, 294680

13/01/03

Ref: -MJR/2002/1666

**CERTIFICATE**

I certify that Dr. Mousumi Debnath, Lecturer in Biotechnology, is serving for the session 2002- 2003 at Mahatma Jyoti Rao Phoolle P.G. Mahila Mahavidyalaya, affiliated to University of Rajasthan.

Date 13.01.03

Director

Mahatma Jyoti Rao Phoolle  
Mahila P.G. Mahavidyalaya  
JAIPUR-19

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INTERNATIONAL  
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Regd. Under Rajasthan Societies Registration Act, 1958

**Unit: International College for Girls**

March 30, 2012

**TO WHOMSOEVER IT MAY CONCERN**

Certified that **Dr. Mousumi Debnath** has worked as a Lecturer in the Department of Botany of our College from 9<sup>th</sup> July, 2001 to 31<sup>st</sup> March, 2002.



**Dr. Ashok Gupta**  
**Director/Secretary General**



JAIPUR ENGINEERING COLLEGE  
AND RESEARCH CENTRE

Ref: JECRC/94/2011-2012

Date: 11/07/2011

## TO WHOMSOEVER IT CONCERN

This is to certify that Dr. Mousmi Debnath w/o Dr. Subir Debnath has worked in Bio-Technology department of this College. As per detail given below.

1. As Associate Professor :- 01-09-2007 to 30-05-2009.
2. As Professor :- 01-06-2009 to 11-07-2011.

Our knowledge is based on our acquaintance from 01-09-07 to 11-07-11  
During this period, she was believed to have a good moral character.

Principal

**PRINCIPAL**

**Jaipur Engineering College &  
Research Center.**

**.Tonk Road, Jaipur - 303 9**



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Institut für Resistenzforschung und Stresstoleranz  
Institute for Resistance Research and Stress Tolerance

JKI, OT Groß Lüsewitz, Rudolf-Schick-Platz 3, 18190 Sanitz, Germany



### To Whom It May Concern

Prof. Dr. Mousumi Debnath spent a DAAD funded research stay from August 15<sup>th</sup> to October 14<sup>th</sup> 2008 at the Julius Kühn-Institute in Germany. During that time she worked in my laboratory at the Institute for Resistance Research and Stress Tolerance in Groß Lüsewitz. Here she took active part in a research project on "Characterization of Different Potato Genotypes in Respect to Nitrogen Efficiency by Use of *in vitro* Assays". Within this framework her activities focused on plant *in vitro* culture, evaluation of plant morphological traits, determination of nitrogen contents of culture media as well as image analysis of roots.

During her time at the Julius Kühn-Institute, Prof. Debnath demonstrated a keen interest in her project and a strong dedication to success. She proved to be thorough and skilled in her practical work and was most willing to perform all project related tasks in the laboratory. She was highly motivated and spared no efforts to achieve outstanding results. I got to know her as dedicated scientist with the ability of critical thinking and rational reasoning. In addition to her professionalism, Prof. Debnath is an enjoyable person and pleasant colleague to work with. She is a sincere and cooperative person with a great sense of responsibility. Since Prof. Debnath's research stay in my lab we kept in touch so that I witnessed her serious endeavours in research and teaching resulting in consistent scientific development. I am very confident that she has the ability to master new professional challenges and will maintain high performance even under difficult working conditions.

I wish Prof. Dr. Mousumi Debnath all the best for her future endeavours.

Groß Lüsewitz, November 7<sup>th</sup>, 2010

Dr. Annegret Schum  
Tel.: ++49-38209-45130  
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Email: [annegret.schum@jki.bund.de](mailto:annegret.schum@jki.bund.de)  
www: <http://www.jki.bund.de>

July 9, 2010

To Whom It May Concern:

It was a pleasure to have Dr. Mousumi Debnath in my laboratory at Purdue University. During her stay from May 10 until July 14, 2010 at Purdue University, she experienced on metabolite analysis of the shikimate pathway intermediates and aromatic amino acids using LC-MS and GC-MS, enzyme assays for chorismate mutase, RNA isolation from snapdragon flowers, plasmid isolation and the overexpression of proteins in *E. coli*.

Sincerely yours,



Natalia Dudareva  
Dr. Natalia Dudareva, Ph.D  
Distinguished Professor  
(765) 494-1325 Fax: (765) 494-0391  
dudareva@purdue.edu