



Anand Nagar, Krishnankoil - 626126, Srivilliputtur (via), Virudhunagar District, Tamilnadu.

APPLICATION FOR ADMISSION TO Ph.D. PROGRAMMES

Date of Application:28-06-2021

Department	BIOTECHNOLOGY	Application No.	202110096
Area of Research	TISSUE ENGINEERING STUDIES IN ALCOHOL INDUCED MICE	Research Mode	FULL TIME

Name : SUMAN SHAW
Date of Birth / Age : 19-01-1995 / 26 Years
Gender : MALE
Category : OC
e-Mail ID : shawsuman177@gmail.com
Mobile : 08335940858



Father's/Husband's Name	SAMIR SHAW	Father's/Husband's Occupation
Family Income	60000	Residential Type
Birth Place	CONTAI	Mother Tongue
Religion	HINDU	Marital Status
Aadhaar No.	778661500657	PAN No.
Physically Challenged	NO	Type of Disability
Address for Communication: 12 KALAPUNJA PURBA (PASCHIMANGSHA)KALAPUNJA, RAMNAGAR, PURBO MEDINIPUR EAST MIDNAPORE EAST MIDNAPORE DISTRICT WEST BENGAL INDIA Pin-721433		Permenant Address: 12 KALAPUNJA PURBA (PASCHIMA EAST MIDNAPORE EAST MIDNAPORE DISTRICT WEST BENGAL INDIA Pin-721433

Qualification						
Degree	Discipline	College/university	Year Passed	AVG/CGPA	Class	Mode
B.SC	BIOLOGICAL SCIENCES	WEST BENGAL STATE UNIVERSITY	2016	55.42	B	REGULAR
M.SC	BIOTECHNOLOGY	BHARATHIDASAN UNIVERSITY	2018	69.22	A	REGULAR

Experience				
Organization	Designation	Experience From	Experience TO	Work Nature

Payment Details				
Transaction ID	Reference	Date of transaction	Amount	Status
202110096_210701091859	VSM20080267370	01-07-2021	600	SUCCESS

Graduate Recruitment Committee
Department of Biotechnology
Kalasalingam Academy of Research and Education
Tamil Nadu
India

Dear Committee Members,

I am writing this letter to express my sincere interest for a possible **PhD position** at the Department of **Biotechnology** in Kalasalingam Academy of Research and Education. Upon selection, I wish to join your department for pursuing my doctoral studies. Kindly allow me to make a humble attempt to elaborate on my academic and research background, inclination towards science, research experience, career goals and how all these make me an ideal candidate for graduate study in your esteemed university.

Science, biological science in particular, has always been a fascination to me from my childhood. The stories in magazines about latest ground-breaking discoveries in Biology always made me intrigued in this branch science and intensified my interest in biological research as a future career path. When chemistry was added to my high-school course curriculum, I was introduced to another dimension of Biology called biochemistry. The high-school Biology laboratory soon became my favorite place in the school. In addition to the stipulated lab hours, I found myself wandering in the Biology laboratory getting hands on experience of various research instruments and their functions. This got me interested in several branches of biology especially cell & molecular Biology.

To follow this pursuit, I got a chance to start my undergraduate study in Biological sciences in West Bengal State University, a reputable arts & science university in India. This gave me a platform to fulfill my curiosity and expand my knowledge base in the field of Zoological, Botanical and Physiological sciences. Animal and plant Biotechnology became one of my favorite subjects due to the fact that even a single cell can provide us significant information by accurate implementation of various equipment. Classroom seminars were

another learning avenue for me. I always took active roles in giving seminars. I organized, managed and coordinated various inter-departmental events, which helped me develop leadership and communication skills and was always interested to participate in all the departmental activities including study tours symposia and quiz programs. I spent a significant portion of my time in cell culture laboratories in the department learning various new culture techniques and assays on a range of human cell-lines. Several relevant subjects were introduced in total three years including animal Biotechnology, human physiology, molecular Biology, genetics, recombinant DNA technology, human pathology, plant physiology.

Even though I had a strong intension to steer my career towards research, I didn't get a clear research direction in my early college period until I started my masters' degree M.Sc in the Bishop Heber College, Bharathidasan University, one of the premier Biotechnology school and research center in South India. Being the reputable institute that Bishop Heber College is with its eminent research faculties and highly equipped research laboratories, I learned various aspects of cell and molecular Biology during my M.Sc program. During this time, I have pursued multiple projects, drawing upon the knowledge and skills that I acquired through classroom teaching as well as extensive practical training.

Owing to the yearning of active research, I started my project work under prof. Albert A. Rizvanov in the Kazan Federal University, Russia, where I worked as a summer research intern during the summer of 2017. There I worked on various bacterial enzyme production and proteomics. Chromatographic purification and gene cloning in *Serratia marcescens* were performed on non-recombinant exogenous bacterial enzyme. In addition, green fluorescent protein (GFP) was expressed in *E. coli*, purified for their application in autophagy assessment. As part of my final year project, I got the opportunity to perform thesis work with Dr. Soumya Sasmal at the Netaji Subhas Institute of Technology, University of Delhi, India. Where I worked on pretreatment of Lignocellulosic biomass by using acid and alkali. The prediction of this project is carrying out Artificial Neural Network (ANN) method by using MATLAB. I am confident that all these research trainings would be great addendum to my interdisciplinary research experience and help my career path in active Biological research.

To further advance my career, I wish to pursue PhD in **Tissue Engineering**. As I offer myself as a PhD candidate in your department, I bring to the table years of work experience which includes steady and continuous advancement, an unrelenting pursuit for knowledge, and a belief that anything is possible if we can actively imagine it into existence. I am intrigued by the research works of the eminent faculty members in the department especially that of **Prof. A.Muthukumaran**, who has done tremendous works in the field of Biotechnology. The research article of **Prof. Muthukumaran** in the field of Zebra Fish model for human diseases is fascinating. I will consider myself extremely fortunate if I get selected to pursue my graduate research work under their guidance.

To this end, I find the research environment in your department to be exhilarating. The eminent faculty members, the dynamic and diverse research environment, extensive collaborations that you have with researchers across the country provide for an ideal platform for cutting edge research. I believe that working in this environment would enrich me immensely as a researcher. I look forward to the invaluable experience of doctoral research which will help me grow professionally as well as individually. I am confident that if I am selected as PhD Student in the Kalasalingam Academy of Research and Education (KARE), School of Biotechnology, I will make you proud of your selection in near future.

I look forward to hearing from you.

Sincerely,

Suman Shaw, M. Sc.

Email: shawsuman177@gmail.com

Phone +91-8335940858

Centre Code : 25 Reg.No. 165217007



Code no. 07579 : S.No.



பாரதிதாசன் பல்கலைக்கழகம் BHARATHIDASAN UNIVERSITY

Re-accredited with 'A' Grade by NAAC

(Established by the Government of Tamil Nadu in 1982; Recognized by UGC under 2(f) and 12(B) of UGC Act;
Member, Association of Indian Universities and Association of Commonwealth Universities)



அறிவியல் புலம் FACULTY OF SCIENCE

பாரதிதாசன் பல்கலைக்கழக ஆட்சிக் குழு ஏப்ரல் 2018ஆம் ஆண்டு
பிஷப் ஹீபர் கல்லூரி (தன்னாட்சி), திருச்சிராப்பள்ளி
நடத்திய உயிர்நுட்பவியல் தேர்வில்
சுமன் ஷா
என்பவர் மிக நன்று A தரத்துடன் தேர்ச்சி பெற்றார் என்று
தக்க தேர்வாளர்கள் சான்றளித்தபடி அறிவியல் நிறைஞர்
என்னும் பட்டத்தை அவருக்குப் பல்கலைக்கழக இலச்சினையுடன் வழங்குகிறது.

The Syndicate of the **BHARATHIDASAN UNIVERSITY** hereby makes
known that **SUMAN SHAW** has been
admitted to the Degree of **MASTER OF SCIENCE,** having
been certified by duly appointed Examiners to be qualified to receive the same in
BIOTECHNOLOGY at the Examination held in
APRIL 2018 and placed in **VERY GOOD WITH A GRADE**
through the BISHOP HEBER COLLEGE(Autonomous), TIRUCHIRAPPALLI of the University.



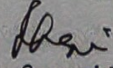
Given under the seal of the University.

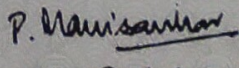


திருச்சிராப்பள்ளி
Tiruchirappalli

நாள் :
Date : 23rd October 2018

ISSUED ON : 07-02-2019


பதிவாளர் Registrar


துணைவேந்தர் Vice - Chancellor

N 017095





BISHOP HEBER COLLEGE (AUTONOMOUS)

(Nationally Reaccredited with 'A' Grade by NAAC with the CGPA of 3.58 out of 4)

(Recognized by UGC as "College of Excellence")

(Affiliated to BHARATHIDASAN UNIVERSITY)

Tiruchirappalli - 620 017, Tamil Nadu, India.

Sl. No.: P18

0525



CONSOLIDATED MARK STATEMENT – M.Sc. BIOTECHNOLOGY

Examinations of Post-Graduate Programmes Under Choice Based Credit System (CBCS)

NAME: SUMAN SHAW										
REG. NO.: 165217007				DOB: 19/01/1995			Years of Study: 2016-2018			
Sem	Course	Course Code	Course Title	CIA Max-25	ESE Max-75	Total Max-100	CR	LG	GP	Credits(CR) Earned in
1	CC	P15BT101	Cell and Molecular Biology	16	46	62	5	B+	7.0	NOV 2016
1	CC	P15BT102	Biochemistry	14	44	58	5	B	6.0	APR 2017
1	CC	P15BT103	Microbiology	15	46	61	5	B+	7.0	NOV 2016
1	CC	P15BT1P1	Biochemistry and Cell Biology Lab	35	43	78	3	A	8.0	NOV 2016
1	CC	P15BT1P2	Microbiology Lab	34	56	90	3	O	10.0	NOV 2016
1	EC	P15BT1:1	Bioinstrumentation	15	42	57	4	B	6.0	NOV 2016
2	CC	P15BT204	Animal Biotechnology	15	47	62	5	B+	7.0	APR 2017
2	CC	P15BT205	Plant Biotechnology	16	44	60	5	B+	7.0	NOV 2017
2	CC	P16BT206	Industrial Biotechnology	13	38	51	4	B	6.0	APR 2017
2	CC	P15BT2P3	Animal, Plant and Enzyme Technology Lab	30	51	81	3	A+	9.0	APR 2017
2	EC	P15BT2:1	Research Methodology and Biostatistics	14	40	54	4	B	6.0	APR 2017
2	NMEC	P16BY2E1	Green Wealth	17	49	66	2	B+	7.0	APR 2017
2	VLO	P15VL2:2	Moral Instruction(MI)	15	47	62	2	B+	7.0	APR 2017
3	CC	P15BT307	Gene Technology	17	40	57	5	B	6.0	NOV 2017
3	CC	P15BT308	Immunology	18	52	70	5	A	8.0	NOV 2017
3	CC	P15BT309	Medical Biotechnology	20	55	75	5	A	8.0	NOV 2017
3	CC	P15BT3P4	Gene Technology Lab	35	56	91	3	O	10.0	NOV 2017
3	CC	P15BT3P5	Immunology and Medical Biotechnology Lab	34	50	84	3	A+	9.0	NOV 2017
3	EC	P15BT3:1	Stem Cell Biology	17	51	68	4	B+	7.0	NOV 2017
4	CC	P15BT410	Environmental Biotechnology	16	59	75	5	A	8.0	APR 2018
4	EC	P15BT4:1	Biotechnology Management	22	50	72	4	A	8.0	APR 2018
4	CC	P16BT4PJ	Project	-	-	99	6	O	10.0	APR 2018
Lab / Practical Max: CIA-40; ESE-60										
** END OF STATEMENT **										
CWAM		CGPA	GRADE	Credits Required	Credits Earned	Classification			Completed in	
69.22		7.53	A	90	90	Good			APR 2018	

Any Correction invalidates this statement.

[Signature]

CONTROLLER OF EXAMINATIONS



[Signature]

PRINCIPAL

& CHIEF CONTROLLER OF EXAMINATIONS

Date of issue: - 6 JUN 2018



Self Financing

BISHOP HEBER COLLEGE (AUTONOMOUS)

(Ranked 3rd at National Level by MHRD through NIRF-2017)
 (Nationally Reaccredited with 'A' Grade by NAAC with a CGPA of 3.58 out of 4)
 (Recognized by UGC as 'College of Excellence')
 (Affiliated to Bharathidasan University)

TIRUCHIRAPPALLI - 620 017

TRANSFER CERTIFICATE

S.NO. 3876

ADMISSION NO.

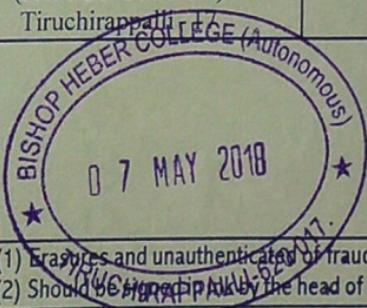
40474

ROLL NO.

165217007

1. Name of the Pupil
(in BLOCK LETTERS as entered in +2 or equivalent Certificate) : SUMAN SHAW
2. Name of the Parent / Guardian : SAMIR SHAW
3. Nationality, Religion and Caste : INDIAN, HINDU, OTHERS
4. Community : NIL
5. Sex : MALE
6. Date of Birth as entered in the Admission Register
(in figures and words) : 19-1-1995 (Nineteenth, January, 1995)
7. Personal marks of Identification
a) _____
b) _____
8. Date of Admission and Class in which admitted
(the year to be entered in words) : 17-Jun-16, First M.SC.-BIO-TECHNOLOGY
9. (a) Class in which the pupil was studying at the time of leaving : Second M.SC.-BIO-TECHNOLOGY
(in words)
(b) Programme studied Main : BIOTECHNOLOGY
Allied : _____
- (c) Language offered under Part - I : _____
- (d) Medium of Instruction : ENGLISH
10. Whether the student has paid all the fees due to the College : YES
11. Whether the student was in receipt of any scholarship
(Nature of the scholarship to be specified) or NO
(Educational Concession)
12. Whether the student has undergone Medical Inspection, if any, : NO
during the academic year (first or repeat to be specified)
13. Date on which the student actually left the College : 7-4-2018
14. Student's Conduct and Character : GOOD
15. Date on which the application for Transfer Certificate
was made by the Student : 7-5-2018
16. Date of the Transfer Certificate : 7-5-2018
17. Programme of Study

Name of the College	Academic Year	Programme Studied	First Language	Medium of Instruction
BISHOP HEBER COLLEGE (AUTONOMOUS) Tiruchirappalli - 620 017	2016-2018	M.SC.-BIO-TECHNOLOGY	-----	ENGLISH



PRINCIPAL
BISHOP HEBER COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI- 620 017.

Signature of the Principal

Date:

Note: (1) Erasures and unauthenticated or fraudulent alteration in the certificate will lead to its cancellation.
 (2) Should be signed by the head of the Institution who will be held responsible for the correctness of the entries.

Declaration

I hereby declare that the particulars recorded against items 1 to 7 are correct and that no change will be demanded by me in future.

Signature of the Parent / Guardian

Suman Shaw
 Signature of the Student

Suman Shaw

आयकर विभाग

INCOME TAX DEPARTMENT



भारत सरकार

GOVT. OF INDIA

SUMAN SHAW

SAMIR SHAW

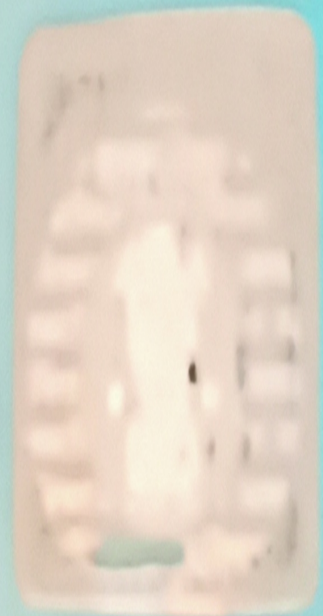
19/01/1995

Permanent Account Number

ECTPS0640M

Suman Shaw

Signature





ভারতের নির্বাচন কমিশন
পরিচয় পত্র
ELECTION COMMISSION OF INDIA
IDENTITY CARD

NNS1662519



নির্বাচকের নাম : সূমন সাউ

Elector's Name : Suman Shaw

পিতার নাম : স্মীর সাউ

Father's Name : Samir Shaw

লিঙ্গ/Sex : পুং/ M

জন্ম তারিখ
Date of Birth : 19/01/1995

NNS1662519

ঠিকানা:

কলাপূজা পূর্ব (পশ্চিমাংশ), কলাপূজা, রামনগর, পূর্ব
মেদিনীপুর- 721433

Address:

**KALAPUNJA PURBA (PASCHIMANGSHA),
KALAPUNJA, RAMNAGAR, PURBO
MEDINIPUR- 721433**



Date: 27/11/2015

217-রামনগর নির্বাচন ক্ষেত্রের নির্বাচক নিবন্ধন

আধিকারিকের স্বাক্ষরের অনুকৃতি

**Facsimile Signature of the Electoral
Registration Officer for**

217-Ramnagar Constituency

ঠিকানা পরিবর্তন হলে নতুন ঠিকানায় ভোটার লিষ্টে নাম তোলা ও একই
নম্বরের নতুন সচিব পরিচয়পত্র পাওয়ার জন্য নির্দিষ্ট ফর্মে এই
পরিচয়পত্রের নম্বরটি উল্লেখ করুন।

In case of change in address mention this Card No.
in the relevant Form for including your name in the
roll at the changed address and to obtain the card
with same number.

203/0698