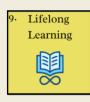


AUTONOMOUS JABALPUR- 482001 MADHYA PRADESH, INDIA

### **CRITERION-3**

# RESEARCH, INNOVATIONS AND EXTENSION

**Key Indicator – 3.7 Collaboration** 







**Collaboration** 

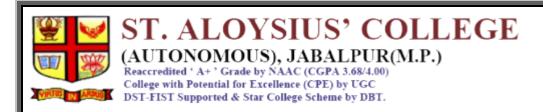






**Document Name** 

Activities Under Collaboration 2021-2022



### **Collaboration**

## 3.7.1 List of Activities and Exchange provided in the Year 2021-22

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Beneficiaries	Duration	Nature of the activity
1	Evaluation of cross species transferability of SSR markers in Buchanania cochenchinesis (Lour.)	Tropical Forest Research Institute	Ms. Tanaya Budholia	6 months	Dissertation
2	Standardization of DNA extraction protocol and cross-amplification of Hardwickia binata Roxb.	Tropical Forest Research Institute	Parul Dixit	6 months	Dissertation
3	AMR Profiling of Unique and Bansal Poultry Farm of Haryana (India): Lessons from AMR Pattern among Bird, Farm worker and Family member	CSIR- Institute of Microbial Technology	Shruti Ramje	6 months	Dissertation
4	"Elucidation of Oligomeric characteristics of MarR family protein of Mycobacterium tuberculosis"	CSIR- Institute of Microbial Technology	Jyotsana Patel	6 months	Dissertation
5	Comparitive evaluation of the DNA extraction methods for genomic DNA extraction of Dillenia pentagyna roxb.	Tropical Forest Research Institute	Meghna Gosh	6 months	Dissertation



### (AUTONOMOUS), JABALPUR(M.P.) Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)
College with Potential for Excellence (CPE) by UGC
DST-FIST Supported & Star College Scheme by DBT.

6	Study of selected human G6PD mutations in malaria endemic tribal area of Rajasthan.	National Institute of Research in Tribal health	Priyansh Patel	6 months	Dissertation
7	Standardization of genomic DNA isolation and SSR-PCR conditions for Bambusa tulda	Tropical Forest Research Institute	Sita Charan Tiwari	6 months	Dissertation
8	"Effect of repeated heating on quality of edible sunflower oil"	Excellent Bio Research Solutions Pvt. Ltd, Jabalpur	Sagar Karsa	6 months	Dissertation
9	In vitro microrhizome induction in Acorus calamus Linn., a potential medicinal plant of the Western Ghats	Jawaharlal Nehru Tropical Botanic Garden and Research Institute, kerela	Megha Davis	6 months	Dissertation
10	MOLECULAR DETECTION OF DENSOVIRUS IN ANOPHLINE SPECIES OF CENTRAL INDIA	National Institute of Research in Tribal health	Ankita Singh	6 months	Dissertation
11	Molecular Identification of Mosquito species of Anopheline Genus of Madhya Pradesh ,India using COX1 Gene of Mitochondria.	National Institute of Research in Tribal health	Sneh Chouksey	6 months	Dissertation
12	Presence of Bacterial Pathogens in Milk based sweets being sold in Jabalpur	Excellent Bio Research Solutions Pvt. Ltd, Jabalpur	Shreen Khakha	6 months	Dissertation
13	Total genomic DNA extraction and Phytochemical screening of madhuca longifolia (Mahua) populations	Tropical Forest Research Institute	Nisha Kumari	6 months	Dissertation
14	Coconut oil versus Palm oil: Quality comparison and health implications	Excellent Bio Research Solutions Pvt. Ltd, Jabalpur	Shrutika Jha	6 months	Dissertation
15	Study on the pathogenesis of dengue viral disease	Vector Control Research Center, Pondicherry	P.Prima	6 months	Dissertation
16	Isolation, identification and molecular detection of E. coli	Nanaji Deshmukh Vetarinary Science University, Jabalpur	Yati Iyer	6 months	Dissertation



### (AUTONOMOUS), JABALPUR(M.P.) Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)
College with Potential for Excellence (CPE) by UGC
DST-FIST Supported & Star College Scheme by DBT.

17	Study of pyrazinamide susceptibility in drug-	National Institute of Research in Tribal	Grusha Kharbanda	6 months	Dissertation
	sensitive tuberculosis.	health	Kilai ballua		
18	Isolation, Identification and Molecular detection of Staphylococcus aureus	Nanaji Deshmukh Vetarinary Science University, Jabalpur	Sonal Shrivas	6 months	Dissertation
19	Survey Collection and Antibacterial Screening of Ganoderma Lucidium	Design Innovation Centre RDVV Jabalpur	Jitendra	6 Months	Dissertation
20	Isolation and Identification of <i>Salmonella</i> in different spices	Excellent Bio Research Solution Pvt. Ltd JBP	Pradeep Singh Thakur	6 Months	Dissertation
21	Physical, Chemical and Microbiological Characterization of Drinking Water	Excellent Bio Research Solution Pvt. Ltd JBP	Mrs. Sushmita Shukla	6 months	Dissertation
22	Efficient Microbial Biocontrol Agents for important Soil & Root Pathogens in Tree Nursery	Tropical Forest Research Institute, JBP	Sonal Raikwar	6 months	Dissertation
23	Enzymatic Hydrolysis of Wheat Straw to Fermentable Sugars for Bioethanol Synthesis	CSIR- National Environmental Engineering Research Institute	Ishita Rai	6 Months	Dissertation
24	Endophytic Bacteria Isolation from <i>Musa</i> acuminata and Their Screening for Important Enzyme Production	AKS University Satna	Ms. Vincy Rajdwar	6 months	Dissertation
25	Assessment of Potential Antiviral Compounds Against Dengue Virus	CSIR- Central Drug Research Institute, Lucknow	Vaishali Vishwakarma	6 months	Dissertation
26	Isolation and Screening and Pathogenicity Evaluation of Macrophomina phaseolina from Infected Plant Part of Pisum Sativum L.	Design Innovation Centre RDVV Jabalpur	Neeraj Kumar Rajak	6 months	Dissertation
27	Potential of Antimicrabial Activity of <i>Hibiscus rosa-</i> <i>sinesis</i> Extracts Against Some Human Pathogenic Bacteria	Design Innovation Centre RDVV Jabalpur	Ayushi Motwani	6 months	Dissertation



### (AUTONOMOUS), JABALPUR(M.P.) Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)
College with Potential for Excellence (CPE) by UGC
DST-FIST Supported & Star College Scheme by DBT.

Alteres	DST-FIST Supported & Star	College Scheme by DBT.		1	
28	Screening <i>Trichoderma</i> species and identify Suitable Agriculture Waste Biomass as Substrate for Multification of <i>Trichoderma</i>	Tropical Forest Research Institute Jabalpur	Nitasha Jhariya	6 months	Dissertation
29	Studies on Keratinophilic fungi from City of Jabalpur, Mahoba and Katni in Central India	Centre for Medical Mycology Jabalpur	Shivani Rajak	6 months	Dissertation
30	Molecular Identification of Mosquito species of Anopheline Genus of Madhya Pradesh, India using COX1 Gene of Mitochondria.	ICMR,	Ankita Shrivastava	6 months	Dissertation
31	Effect of Microbial Innoculants on Nutrient Uptake, Yield of Soyabean (glycine max L.) and Available Nutrients in Soil	Department of Soil Science College of Agriculture, JNKVV Jabalpur	Iram Zehra Naqvi	6 months	Dissertation
32	Identification of Urinary Protein Biomakers in Patients with Genitourinary Disease	ICMR,	Annamma Alex	6 months	Dissertation
33	Trichoderma Mediated Defense Priming in Wheat Under Different Time Intervals Against Bipolaris Sorokiniana	Banaras Hindu University	Niharika Tiwari	6 months	Dissertation
34	Guest Lecture on Soft Skill	IBS Indore	170 UG Students	1 Day	Guest Lecture
35	National Webinar on Intellectual Property Rights: Patents and Design Process	Rajiv Gandhi National Institute of Intellectual Property Management, Nagpur	297 Faculties	1 Day	Webinar
36	Scope of Business Analytics	ICFAI Business School, Hyderabad	76 UG Students	1 Day	Webinar
37	Confluence	Fr. Agnel College of Arts & Commerce, Goa, Bhopal School of Social Sciences, Sophia Girls College Ajmer, South Indian Association College of	Teachers & Students	6 Days	Student Faculty Exchange Programme



### (AUTONOMOUS), JABALPUR(M.P.) Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

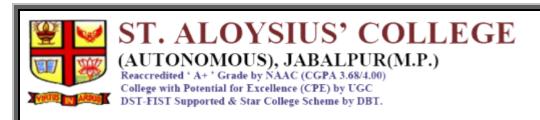
Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)
College with Potential for Excellence (CPE) by UGC
DST-FIST Supported & Star College Scheme by DBT.

	DS1-F1S1 Supported & Star	Higher Education,			
		Mumbai, St. Thomas College, Patna			
		Women's' College,			
		Patna, Princess Nourah			
		Bint Abdulrehman			
		University Riyadh, Kingdom of Saudi			
		Arabia			
38	1 &	Tridev Organic Solution	60 UG Students	1 Day	Seminar
	Eco Tool in Sustainable	Jabalpur			[1
	Solid Waste Management and One Step Towards	!			
	Entrepreneur	!			[1
39	National Webinar on	Indian Patent and Trade	315 Faculties	1 Day	Webinar
	Awareness of Intellectual	Mark Office, Mumbai			
	Property Rights for	!			
40	Striving Minds Entrepreneurship Boot	Jabalpur Incubation	130 students	2 days	Workshop
.~	Camp and Pitching Expo	Centre	130 Statelles	2 days	Workshop
41	Financial Literacy	VITTSHALA, the	UG Students	3 Days	Workshop
		Financial Literacy Cell,			
		Shri Ram College of			
42	A ami antennonaurchin	Commerce, Delhi Jawahar RKVY-	UG Students	1 Dov	Webinar
44	Agri-entrepreneurship Awareness Programme	RAFTAAR	UG Students	1 Day	webinai
	Awareness Frogramme	Agribusiness Incubator			
		Institute of			
		Agribusiness			
		Management (IABM),			
		Jawaharlal Nehru Krishi			
		T7' 1 T7' 1 1	Į.		
		Vishwa Vidyalaya,			
		Jabalpur,			
43	Hydroponic: Practices and	Jabalpur, M.P.	33 Students	1 Day	Workshop
43	Benefits	Jabalpur,	33 Students	1 Day	
43	Benefits National Webinar on	Jabalpur, M.P. Jabalpur Incubation Centre Pune Institute of	33 Students 183 Students	1 Day	Workshop
	Benefits National Webinar on Corporate World in the	Jabalpur, M.P. Jabalpur Incubation Centre Pune Institute of Business Management,		•	
44	Benefits National Webinar on Corporate World in the New Normal	Jabalpur, M.P. Jabalpur Incubation Centre Pune Institute of Business Management, Pune	183 Students	1 Day	Webinar
	Benefits National Webinar on Corporate World in the New Normal	Jabalpur, M.P. Jabalpur Incubation Centre Pune Institute of Business Management, Pune The Bhopal School of		•	Webinar
44	Benefits National Webinar on Corporate World in the New Normal	Jabalpur, M.P. Jabalpur Incubation Centre Pune Institute of Business Management, Pune	183 Students	1 Day	Webinar

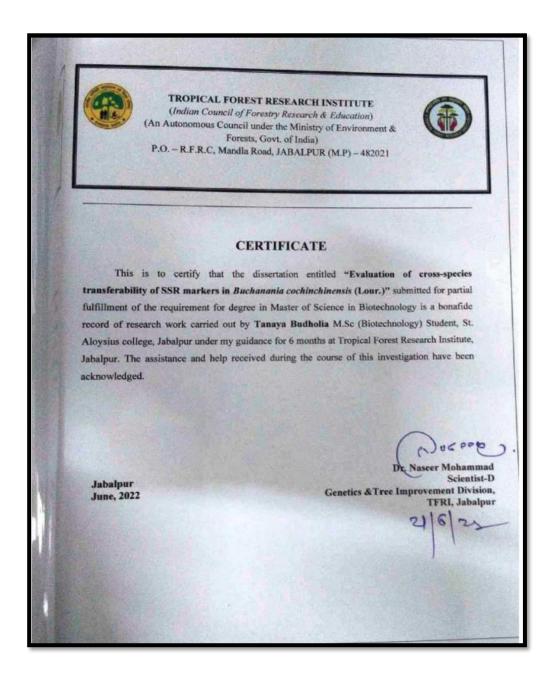


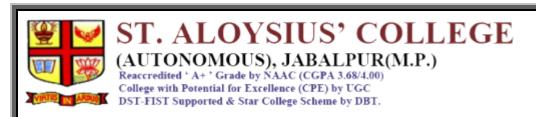
(AUTONOMOUS), JABALPUR(M.P.)
Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)
College with Potential for Excellence (CPE) by UGC DST-FIST Supported & Star College Scheme by DBT.

46	Online Mock Interview Preparation Tips	Bajaj Finserv	40 Students	1 Day	Workshop
47	Session on Financial Planning & Reporting	Miles Education	30 Students	1 Day	Workshop
48	Internship	Smart City	22 Students	60 Hours	Internship
49	German Language, Session on Menstrual Health & Hygiene	CMRIT	60 Students, 65 Students	One Day Lecture	Lecture, Certificate Course
50	Certificate Course: Toward Better Communication: Having LSRW skill in English	I SPELL	43 Students	1 Month	Certificate Course
51	Certificate Course: RHCSA RedHat Certified System Administration and Webinar	RedHat	Students 67 in Webinar 18 Students in Certificate Course	One day Webinar I Month Course	Webinar & Certificate Course
52	Guest Lecture	Maa Ambey	25 Students	1 Day	Lecture
53	Guest Lecture, Internship	IVF	30 Students	1 Day Lecture, 60 Hours Internship	Internship
54	Conclave – Student exchange program	BSSS	10 Students	2 Days	Exchange Programme
55	Youth Parliament	Pt. Kunjilal Rashtriya Sansadiya Vidyapeeth, Bhopal	50 Students	1 Day	Mock Parliament

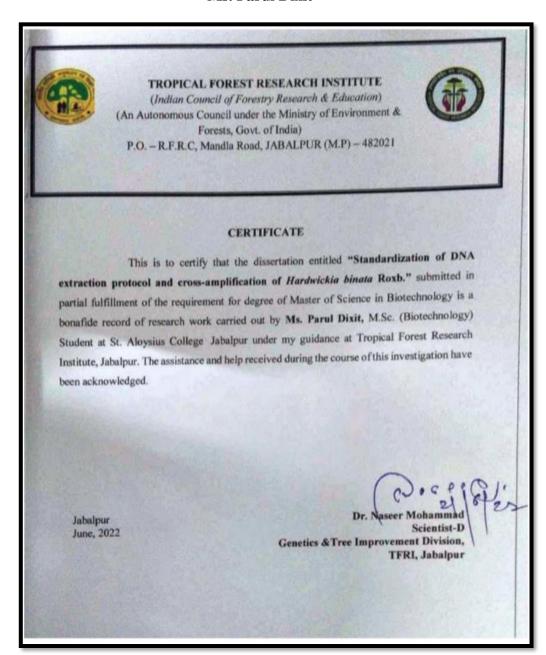


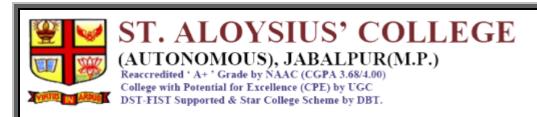
#### Ms. Taanya Budholia



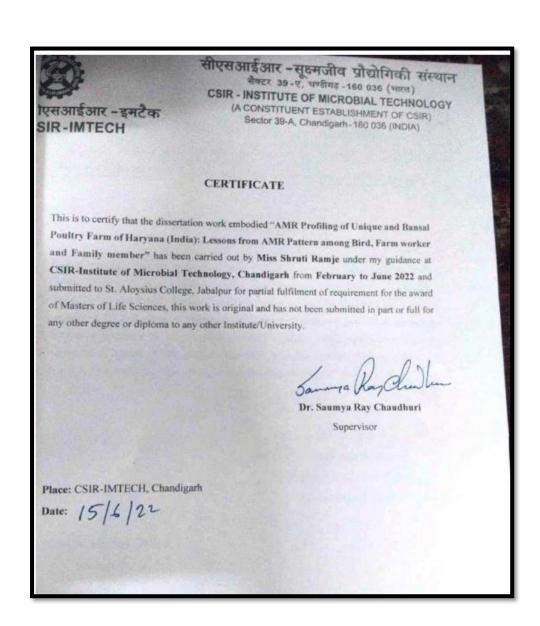


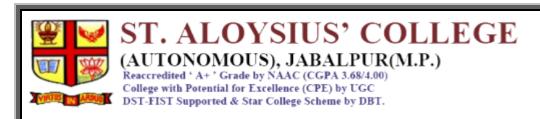
#### Ms. Parul Dixit



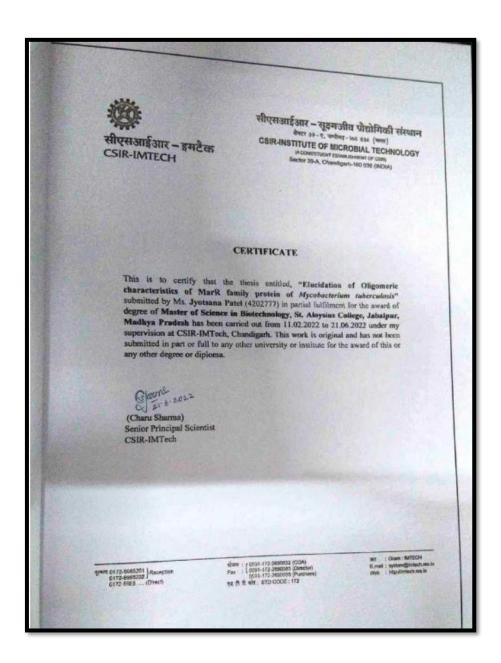


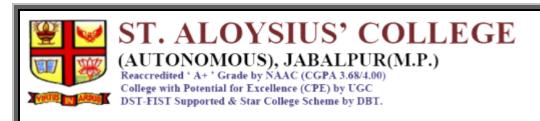
#### Miss Shruti Ramje



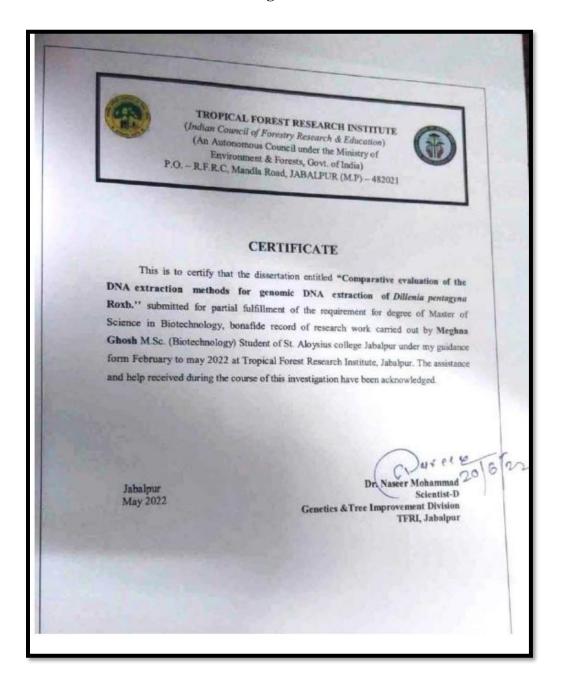


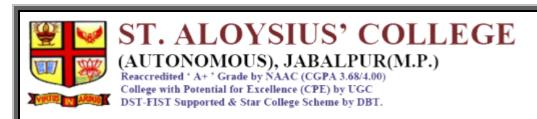
#### Ms. Jyotsana Patel



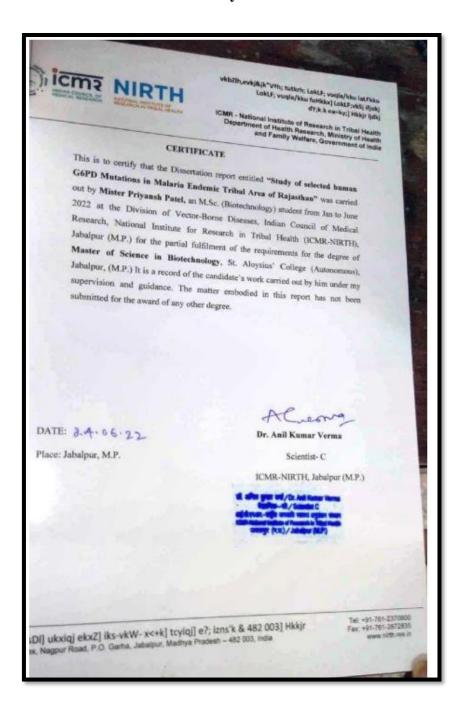


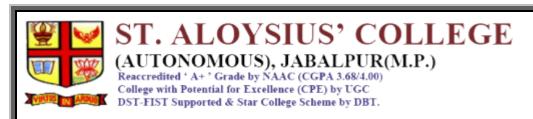
#### Ms. Meghna Ghosh



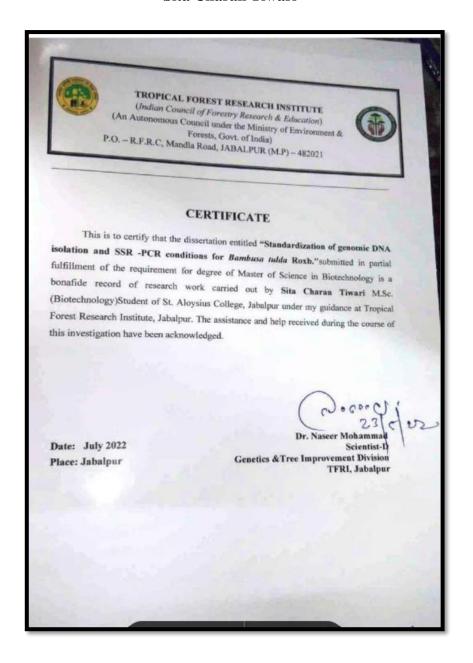


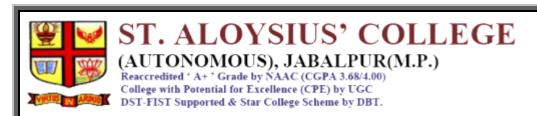
#### Mr. Priyansh Patel





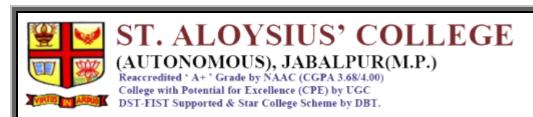
#### Sita Charan Tiwari





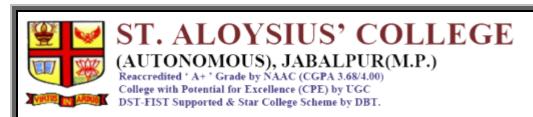
#### Sagar Karsa



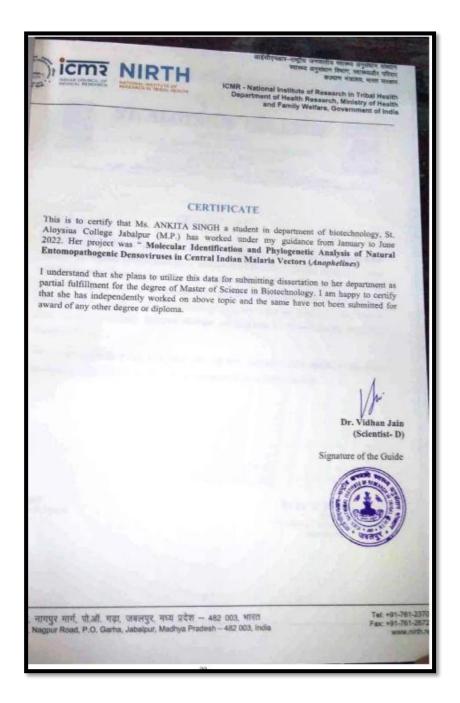


#### Ms. Megha Davis





#### Ms. Ankita Singh

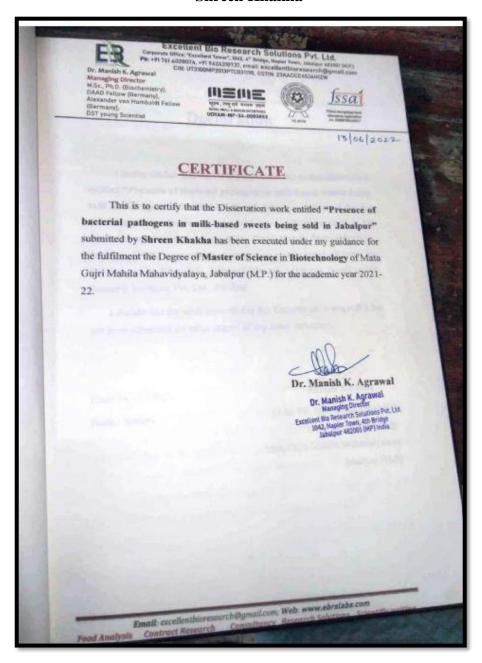


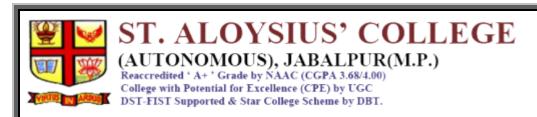


#### (AUTONOMOUS), JABALPUR(M.P.)

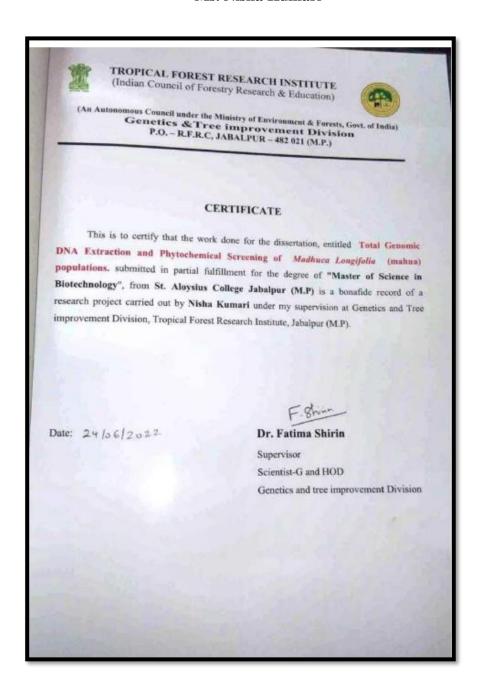
Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00) College with Potential for Excellence (CPE) by UGC DST-FIST Supported & Star College Scheme by DBT.

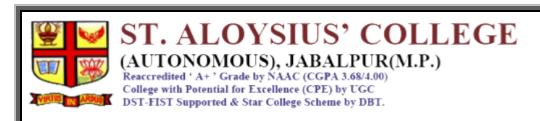
#### Shreen Khakha



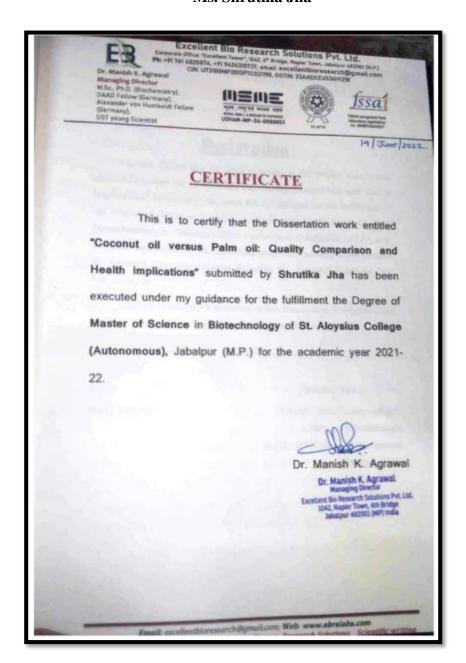


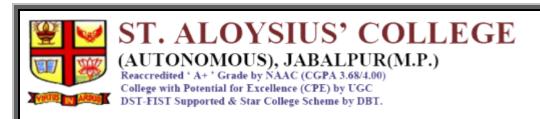
#### Ms. Nisha Kumari



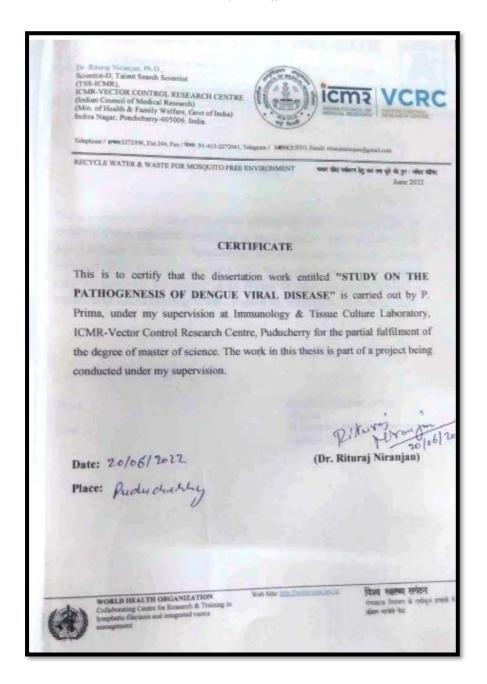


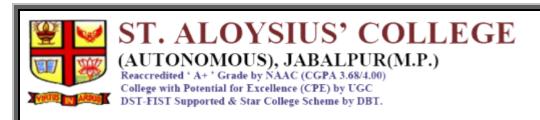
#### Ms. Shrutika Jha



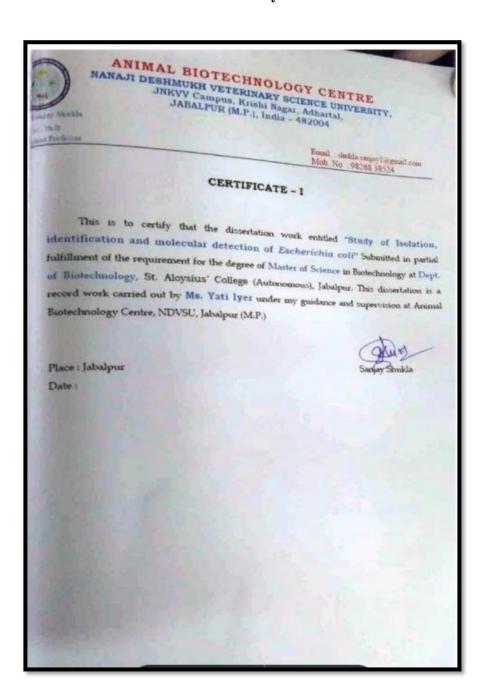


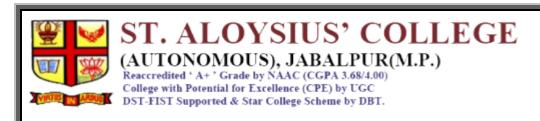
#### P. Prima



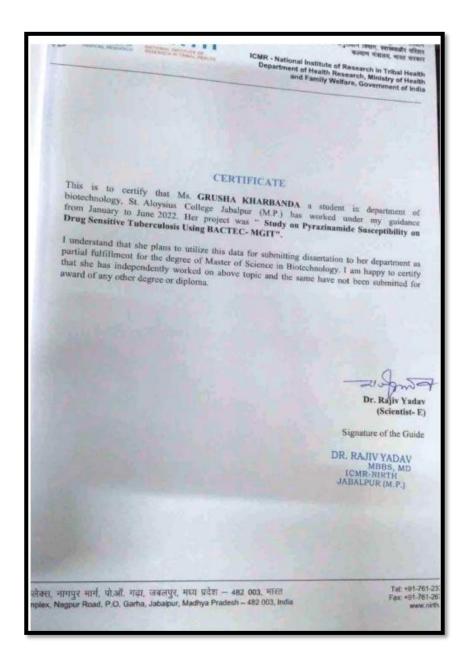


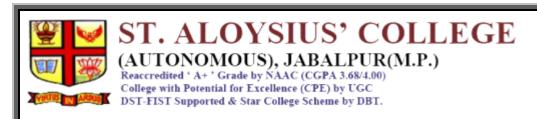
#### Ms. Yati Iyer



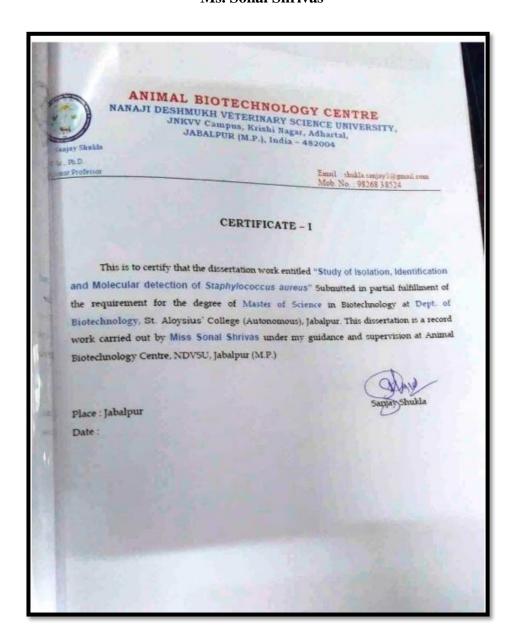


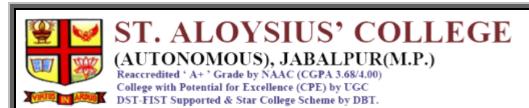
#### Grusha Kharbanda





#### Ms. Sonal Shrivas





#### **Jitendra**



Prof. Sardul Singh Sandhu

M.Sc., M.Phil., Ph.D., D.Sc. & F.B.S. Director, Design Innovation Center (Sponsored by MoE, Clovt. of India)

Former Dean, Faculty of Life Science, R. D University

Monash University Australia; Sau Paulo University, Brazil; University Of Campinas, Brazil; Fellowships: UNESCO France, TWAS/CNPq (Beazil); DBT and UGC New Delhi, India.

Former Governor's Nominee, Sirsa University, Sirsa. Former Executive Council Member, G. J. University, Hisar. Former Director General, M.M. University, Ambala. Former Director, C.S.R.D., People's Group, Bhopal. Former Dean Students Welfare, R.D.University, jabalpur Former Chairman BOS-Microbiology, R.D. University.

LAB: Fungal Biotechnology & Invertebrate Pathology, Department of Biological Sciences, Rani Durgavati University, Jabalpur – 482001 (M.P.) INDIA

Ref. DIC/ 53

Date 06/06/ 2022

Page 24

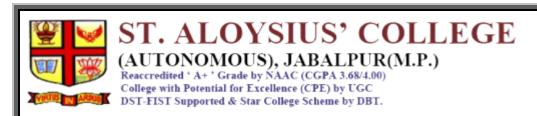
#### CERTIFICATE

This is to certify that the work entitled "SURVEY, COLLECTION AND ANTIBACTERIAL SCREENINIG OF GANODERMA LUCIDIUM" is a dissertation work carried out by Jitendra, Master of Science (M.Sc. 4th Sem.), Department of Microbiology, St. Aloysius College, Jabalpur has duly completed his work under my guidance and supervision. No part of this dissertation has been submitted elsewhere for any other degree or diploma. He has done his work sincerely.

Prof. S.S.Sandhu

Director (DIC)

R.D.University, Jabalpur (M.P.)



#### **Pradeep Singh Thakur**



Corporate Office "Excellent Tewer", 1942, 4" Bridge Namer Tewer, Johnson 482001 (M.P.)
Ph. +91 761 6020074, +91 9424310737, email excellentbloresearch@gmail.com
CIN UT3100MF2013PTC031190, GSTIN-23AADCE4536HIZW

Dr. Manish K. Agrawal Managing Director M.St. Ph.D. (Blochemistry), DAD Fetion (Formany), Alexander von Humboldt Fellow (Germany), DST young Scientist





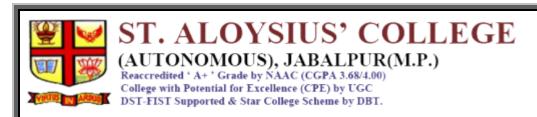


#### CERTIFICATE

This is to certify that the Dissertation work entitled "Isolation and Identification of Salmonella in different spices" submitted by Pradeep Singh Thakur has been executed under my guidance for the fulfilment the Degree of Master of Science in Microbiology of St. Aloysius College (Autonomous), Jabalpur (M.P.) for the academic year 2021-22.

Dr. Manish K. Agrawal

Dr. Manish K. Agrawal Managing Director Excellent Bio Research Solutions Pvt. Ltd. 1042, Napier Town, 4th Bridge Jabalpur 482001 (MP) India



#### Mrs. Sushmita Shukla

#### Excellent Bio Research Solutions Pvt. Ltd.

Corporate Office: "Excellent Tower", 1042, 4" Bridge, Napier Town, Jabalpur 482001 (M.P.)
Ph: +91 761 4020074, +91 9424310737, email: excellentbioresearch@gmail.com
CIN: U73100MP2013PTC031190, GSTIN: 23AADCE4536HIZW

Dr. Manish K. Agrawal Managing Director M.Sc., Ph.D. (Biochemistry), DAAD Fellow (Germany). Alexander von Humboldt Fellow (Germany), DST young Scientist



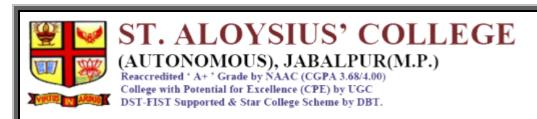




#### CERTIFICATE

This is to certify that the Dissertation work entitled "Physical, chemical and microbiological characterization of drinking water "submitted by Mrs. Sushmita Shukla has been executed under my guidance for the fulfilment the Degree of Master of Science in Microbiology of St. Aloysius College (Autonomous), Jabalpur (M.P.) for the academic year 2021-22.

> Dr. Manish K. Agrawal Dr. Manish K. Agrawal
> Managing Director
> Excellent Bio Research Solutions Pvt. Ltd.
> 1042, Napier Town, 4th Bridge
> Japalpur 482001 (MP) India



#### Ms. Ishita Rai



सी.एस.आई.आर.-राष्ट्रीय पर्यावरण अभियांत्रिकी अनुसंधान संस्थान तर्याक कर भेद्यांक अनुसार पीच्छ, विकार व केद्यांको प्रताय, आर शाका, CSIR-National Environmental Engineering Research Institute (Council of Scientific & industrial Research, Ministry of 5.57, Govt of India) वेहरूमार्थ्यापुर 44000 Nehru Marg, Nagour – 44002, भारत India



Dr. R. A. Sohony Scientist & Head Human Resource Development Division Email: ra\_sohony@neeri res in डॉ. आर. ए. सोहोनी वेज्ञानिक और प्रमुख मानव संसाधन विकास प्रभाग EPBX: (91) (712) 2248886-88. Ext. 448

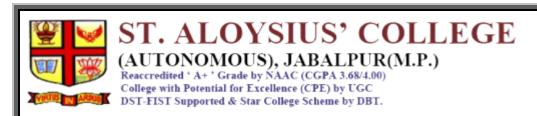
#### CERTIFICATE

This is to certify that Ms. Ishita Rai, a student of M.Sc. Microbiology, St. Aloysius College (Autonomous), Jabalpur, Madhya Pradesh, has carried out the dissertation titled "Enzymatic hydrolysis of wheat straw to fermentable sugars for bioethanol synthesis" under the guidance of Dr. Abhay Bajaj, Senior Scientist, EBGD, CSIR-NEERI, Nagpur during 10th February, 2022 to 31th May, 2022.

The work carried out under this project is to be used only for academic purpose and prior permission of CSIR-NEERI is required before publishing this work.

We wish her all the best for future endeavors.

Place: Nagpur Date: 02.06.2022 द्वी. असर. ए. स्टेडिमेर्ट / Dr. R.A. Sohony स्वतंत्र पर प्रमुख एवं स्वतंत्र हैं / Some t had see स्थानने स्वतंत्रकार प्रमुख संस्कार विकास कि क्षेत्रकार कि स्वतंत्र है एवं प्रस्तंत्र ने प्रमुख्य की स्वतंत्र स्वतंत्र



#### Ms. Vincy Rajdwar



Ref.: AKSU/DBT/CEBRT/2022/01

Date: 04 June 2022

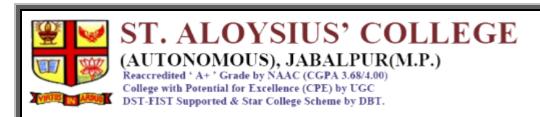
#### CERTIFICATE

This is to certified that the training report entitled "Endophytic bacteria isolation from Musa acuminata and their screening for important enzyme production" which is being submitted by Ms. Vincy Rajdwar, St. Aloysius college, Jabalpur in the partial fulfillment for the award of Master of Science in Microbiology is a record of candidate's own work carried out by her, in the Department of Biotechnology, CEBRT Lab at AKS University, Satna. The matter embodied in this report has not been submitted elsewhere for the award of degree/diploma in any other Institute/University.

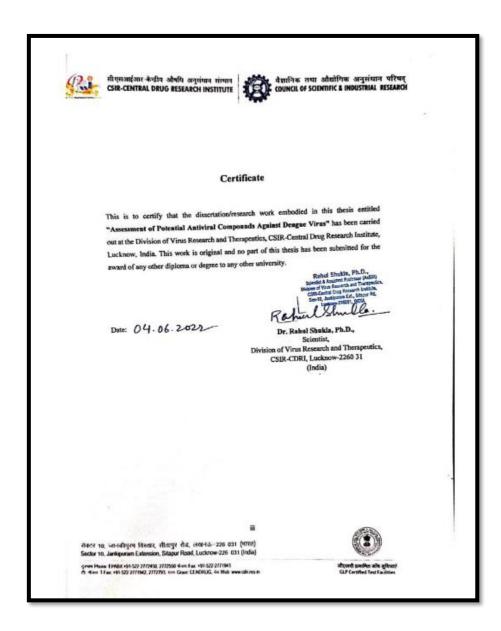
We wish her for best future ahead.

Dr. Kamlesh Choure
Professor & Head
Department of Biotechnology
AKS University, Satna (M.P.)
Primary Street
Primary Linear
Primary Linear
Department of Securious

ani, Panna Road, SATNA-485001 (M.P.) INDIA © 09981124776, 08889537776, Fax : 07072-454776 Website-www.aksuniversity.ac.in.



#### Vaishali Vishwakarma



#### Mr. Neeraj Kumar Rajak

Prof. Sardul Singh Sandhu M.Sc., M.Phil., Ph.D., D.Sc. & F.R.S.

Evaluator Member: NBA, New Delhi

Design Innovation Center (Sponsored by MHRD, Gost, of India) Chairman forwer BOS-Microbiology P.D.F.: D BT (Scotland & Australia), LINESCO (France), TWAS/CNPq (Brazil)

Former Governor's Nominee, Sirsa University, Sirsa. Former Executive Council Member, G. J. University, Hisar. Former Director General, M.M. University, Ambala. Former Director, C.S.R.D., People's Group, Bhopal.

LAB: Fungal Biotechnology & Invertebrate Pathology, Department of Biological Sciences, Rani Durgavati University, Jabalpur - 482001 (M.P.) INDIA

#### CERTIFICATE

This is to certify that the dissertation work entitled, "Isolation and Screening and Pathogenicity evaluation of Macrophomina phaseolina from infected plant part of Pisum Sativum L." is a bonafide record of Research work carried out by Mr. Niraj Kumar Rajak for partial fulfillment of the degree of "Master of Science" in Microbiology, 2022-2023 from St. Aloysius' College, (Autonomous) Jabalpur (M.P.), has duly completed his work under my guidance and supervision. He has done his works in sincerely. No Part of this dissertation work has been submitted for any other degree.

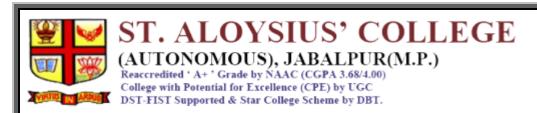
Prof. S.S. Sandhu

Director,

Bio-Design Innovation Centre

Sandly 6.6.22

R.D. University, Jabalpur (M.P)



#### Ms. Ayushi Motwani



Design Innovation Center (Spensored by MHRD, Gest, of Inha) Chairman Common BOS-Microbiology

P.D.F.: D.WT (Scotland & Australia). UNESCO (France), TWAS/CNPq (Brazil)

Evaluator Member: NBA, New Delhi

Former Governor's Nominee, Sirsa University, Sirsa Former Executive Council Member, G. J. University, Hisar. Former Director General, M.M. University, Ambala. Former Director, C.S.R.D., People's Group, Bhopal

LAB: Fungal Biotechnology & Invertebrate Pathology, Department of Biological Sciences, Rani Durgavati University, Jabalpur – 482001 (M.P.) INDIA

#### CERTIFICATE

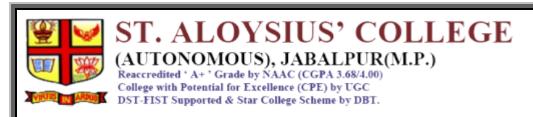
This is to certify that the work entitled "Potential of Antimicrobial Activity of Hibiscus rosa-sinesis extracts against Some Human Pathogenic Bacteria" is a dissertation work carried out by Ms. Ayushi Motwani as a dissertee of Master of Science (4th sem.) in Microbiology and she has been duly completed her work under my guidance and supervision. She has been done her work sincerely.

Prof. S. S. Sandhu

Res.: # 8-96, Priyadarshini Housing Society, Dumna Road, Near Hitkarni Engineering College, Jabalpur, M.P. (482001) , India.

Mobile: +91-9424395270, Land line: +91-761-2602768 Telefax: +91-2608704 (O)

Emails: ssandhu@rediffmail.com, sardulsinghsandhu@gmail.com



#### Ms. Nitasha Jhariya

#### TROPICAL FOREST RESEARCH INSTITUE

(An Autonomous Council under the Ministry of Environment and Forests, Govt. of India) P.O. – R. F. R. C, JABALPUR – 482021

Mr. A.J.K. Asaiya Scientist - C Forest Protection Division Mob. no: 9424371609 E- mail: aaviral43@gmail.com

#### CERTIFICATE

This is to certify that the dissertation thesis entitled "Screening Trichoderma species and identify suitable agriculture waste biomass as substrate for multiplication of Trichoderma" has been submitted by Nitasha Jhariya as partial fulfillment for the degree of Masters of science in Microbiology. She has completed the dissertation work under the guidance of Mr. A.J.K. Asaiya.

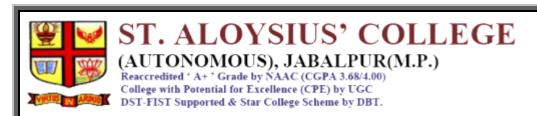
Date: 06/6/2022

Place: Jabalpur

Mr. A.J.K. Asaiya

Page 32

Scientist 'C'
Forest Protection Division,
Tropical Forest Research Institute,
A. J. K. Asafylalpur
Scientist "C"
Forest Protection Division
TFRI, Jabalpur



#### Ms. Shivani Rajak

#### CENTER FOR MEDICAL MYCOLOGY

(Fungal Disease Diagnostic and Research Center, Jabalpur.)

#### Dr. Shesh Rao Nawange

Scientist Young Scientist Govt. of India (DST), New Delh Post Doctoral R.A. ICMR, New Delhi Research Associate ICMR, New Delhi Senior Research Fellow ICMR, New Delhi



Life Member- SHAM, ISHAM
Working Group on Fungal sinusitis- ISHAM
CR-based diagnosis of Dermatophytic infections: - ISHAM
General Secretary, SRDTHFD
International Observer CLS (NCCLS)
Mob. 20927046379, 09479465303

NO.44 | SEDTRE | DISS | 202 2

Date : 06/06/24

#### Certificate

This is to Certify that the Work done for dissertation entitled "Studies on keratinophilic fungi from city of Jabalpur, Mahoba and Katni in Central India" is a bonafied work of Ms. Shivani rajak has been duly completed under my supervision and guidance.

This isentirely herown work and being submitted for IVth Semester Examination of M.Sc Microbiology from St. Aloysius' College (Autonomous Jabalpur (M.P.) for the academic year 2021-2022,

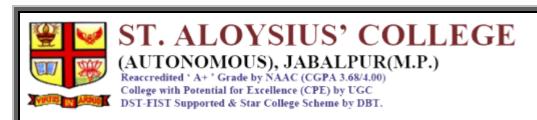
This dissertation may be accepted in partial fulfillment for the award of the degree of Master of Science in Microbiology.

Place: Jabalpur

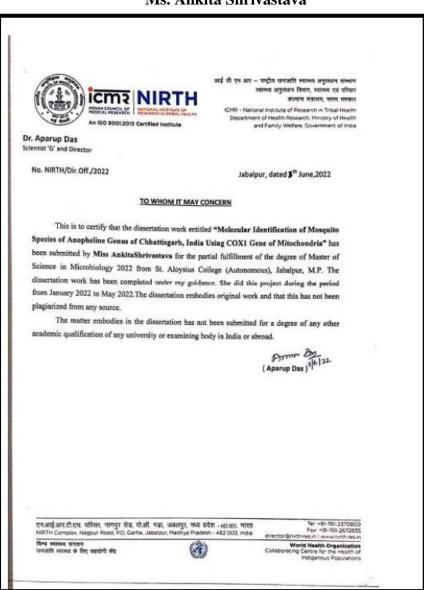
(Dr.S. R. Nawange)

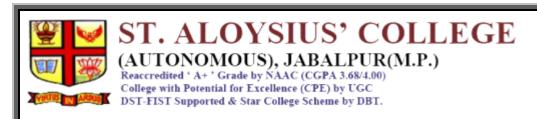
Dr. Speed Report Manager
Control of State State State State
Control of State State State
Control of State State State
Control of State State
Control of State State
Control of State
Control
Cont

Add.:center for medical mycologyl-3/1 kachnar city vijaynagar jabalpur - 482002 (M.P.) sr\_nawange@yahoo.com, srdthfd@gmail.com, sr.nawange@gmail.com www.srdthfd.blogspot.com

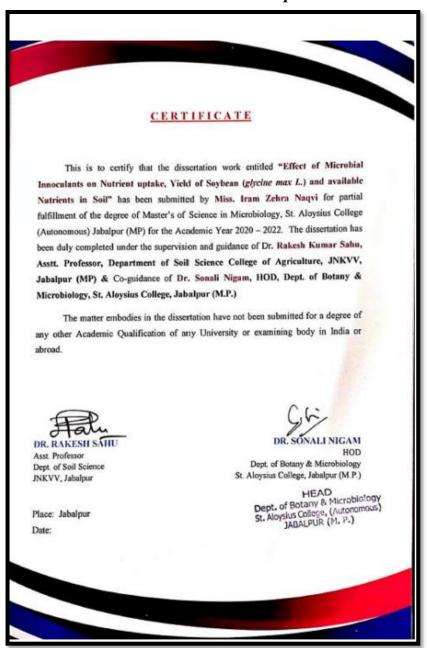


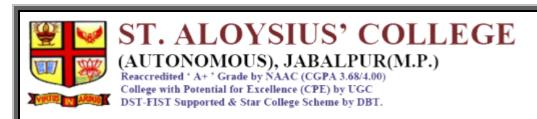
#### Ms. Ankita Shrivastava





#### Ms. Iram Zehra Naqvi





#### Ms. Annamaa Alax





Visit us: www.instpath.gov.in



राष्ट्रीय विकृति विज्ञान संस्थान आई.सी.एम.आर. ICMR - NATIONAL INSTITUTE OF PATHOLOGY tativa अनुवाम विभाग स्वारम और परिवार करवाण भवारम, भारत संस्कार Department of Braith Receich, Ministry of Belth and Family Willar, Government of India "श्रीरामानारी भारत," सम्बद्धनंत्र अस्पतार परिसार, "Sciramachari Bhawan", Safdarjung Hospital Campus, पोरंट बावरा नं, 4909, वर्ष दिल्ली-110029 (पारत)

Post Box No. 4909, New Delhi-110029 (India)

#### CERTIFICATE

This is to certify that the dissertation entitled "Identification of urinary protein biomarkers in patients with genitourinary disease" is submitted by Ms. Annamma Alex for partial fulfillment of the degree of Master of Science in Microbiology, from St. Aloysius College (Autonomous), Jabalpur (M.P) for the academic year (2020-2022). The dissertation has been duly completed under the supervision and guidance of Dr. Usha Agrawal, Scientist G &Director, ICMR-National Institute of Pathology, Safdarjung Hospital, New Delhi & Dr. Sonali Nigam (HOD), Dept. of Botany and Microbiology, St. Aloysius' College (Autonomous), Jabalpur, (M.P.).

Date: 3 06 2022

Place: DEUH!

Dr. Usha Agrawal Scientist G & Director ICMR-National Institute of Pathology Safdarjung Hospital Campus, New Delhi.

Did the Affine Line

and Affine are length the Did figure arease

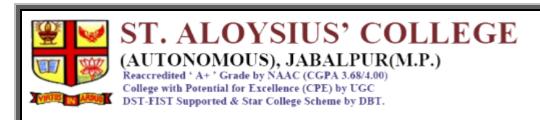
10.500 - National Security of Pathology

we call a secure of large

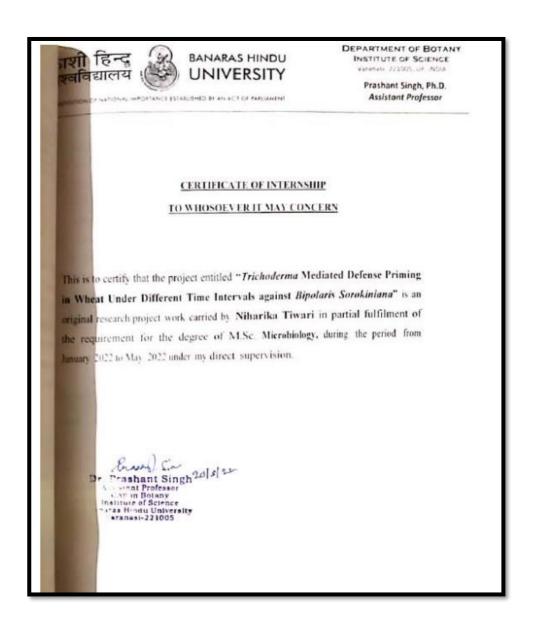
and time areas of large

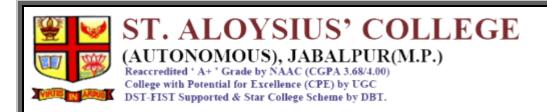
and large

and



#### Ms. Niharika Tiwari





#### **Guest Lecture on Soft Skills**

Department of Management organised a Guest Lecture on Soft Skills in Collaboration with IBS Indore on 17 September 2021. The speaker was V. Rajni and 170 students attended the lecture. She elaborated on what is the significance of Personality Development and Soft Skills in the success of eminent personalities. She explained the VOCA world - volatile, uncertain, change, ambiguous. She defined the significance of Self Awareness, Attitude, Goals setting, body language, SWOT Analysis, Meditation, Dress make up a man, Perception, outer impression, dressing, and grooming.



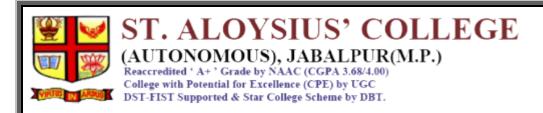


# (AUTONOMOUS), JABALPUR(M.P.) Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)



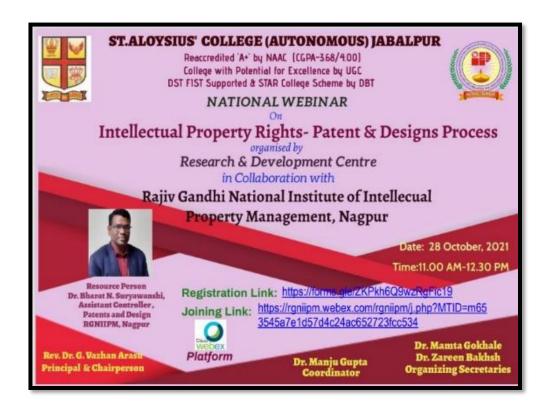


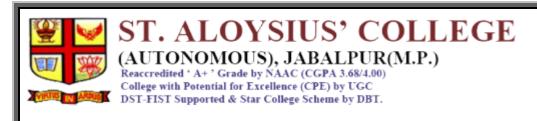


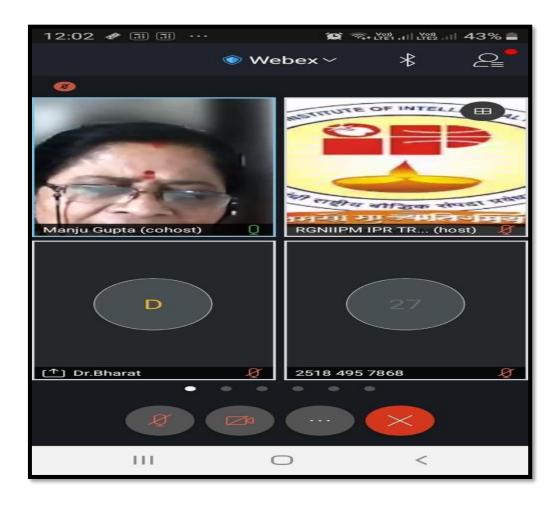


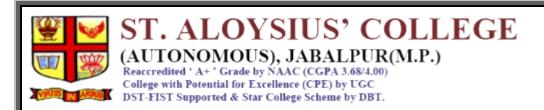
#### National Webinar on Intellectual Property Rights: Patent and Designs Process

A Webinar was organized by Research and Development Centre of St. Aloysius College, in collaboration with Rajiv Gandhi National Institute of Intellectual Property Management, Nagpur on the topic Intellectual Property Rights: Patents and Design Process on 28 October 2021. The Speaker was Dr. Bharat Suryavanshi, Assistant Controller of Patent & Design, RGNIIPM, Nagpur. 297 Teachers and Research Scholars participated in the webinar.









#### **Webinar on Scope of Business Analytics**

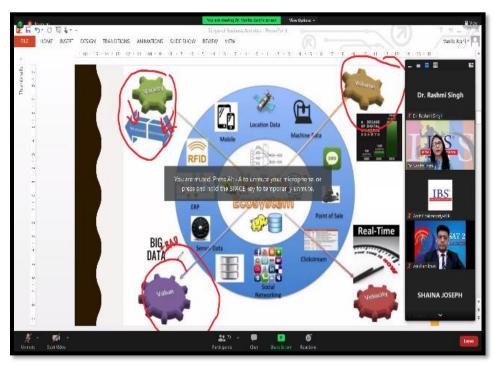
Department of Management in Collaboration with ICFAI Business school, Hyderabad, has organized a Webinar on "Scope of Business Analytics" for Students on the 23rd of October 2021. The Speaker was Dr. Vinita Joshi. 80 students participated in the webinar. It was a Student Knowledge Sharing Program for future managers. The speaker discussed the various applications of analytics in the management field. The scope was described the data collection and its implementation in the management decisions. The students understood the importance of the emerging topics and its value in the current scenario.

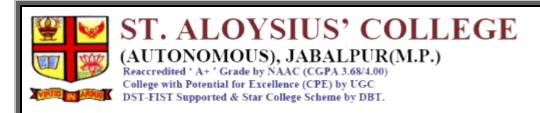




# (AUTONOMOUS), JABALPUR(M.P.) Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)





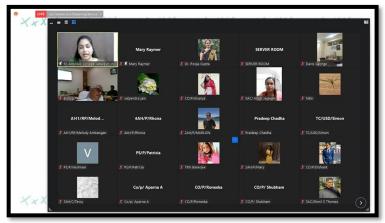


#### **Confluence 2.0v: International Student Faculty Exchange Programme**

St. Aloysius College (Auto) Jabalpur hosted Confluence 2.0v: international student faculty exchange programme, from 19 September-1 October 2021.16 Universities and colleges from India, Indonesia, and Phillipines joined in. 160+ student participants, 50 Resource Persons, 50+ faculties, Student Coordinators, Volunteers and many more joined.









### (AUTONOMOUS), JABALPUR(M.P.)



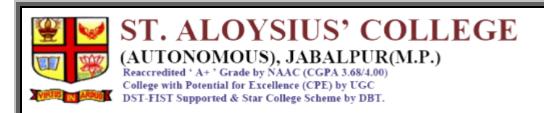












#### One day Seminar on Vermicomposting "One step towards Entrepreneurship"

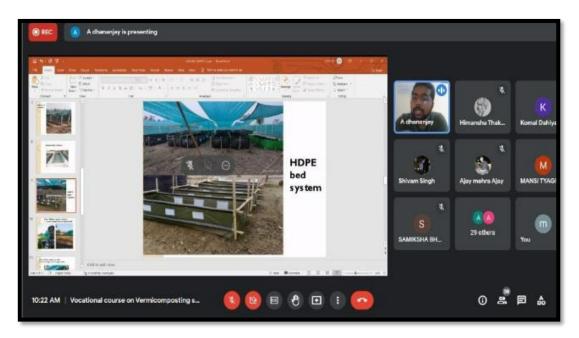
DBT Star Sponsored, one day online seminar was organized on the topic- "Vermicomposting as an eco-tool in sustainable solid waste management and one step towards becoming an entrepreneur" on 1 February 2022. The Speaker of the seminar was our Alumnus Mr. A Dhananjay, Founder, Tridev Organic Solution. Total number of students participated in this seminar was 60 (UG Students).

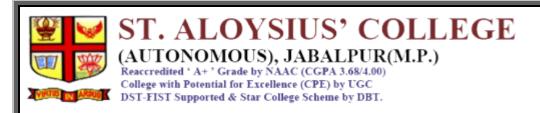




# (AUTONOMOUS), JABALPUR(M.P.) Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

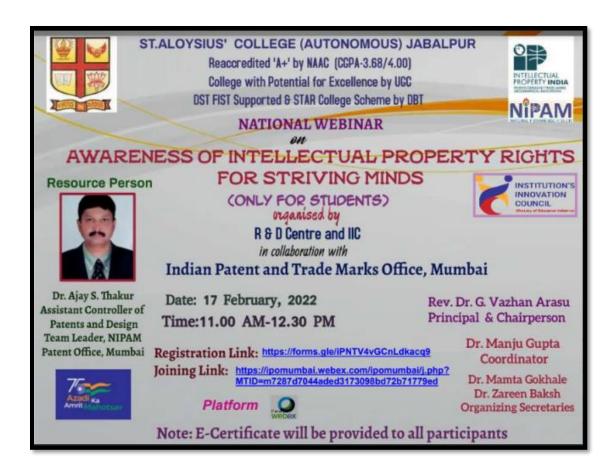


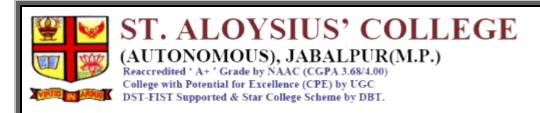




#### National Webinar on Awareness on Intellectual Property Rights for Striving Minds

A webinar organized by Research and Development Centre of St. Aloysius College, in collaboration with Indian Patent and trade Mark Office, Mumbai on Awareness on Intellectual Property Rights for Striving Minds on 17 February 2022. 315 PG students participated in the webinar.





#### **Entreprenuership Boot Camp and Pitching Expo**

ED cell, St Aloysius College (Auto) & Department of Commerce in collaboration with Jabalpur Incubation Center had organized a 2 days Entrepreneurship Boot camp and Pitching Expo for College Students. More than 130 Students have participated and more than 45 innovative ideas were presented.







#### (AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00) College with Potential for Excellence (CPE) by UGC DST-FIST Supported & Star College Scheme by DBT.

# पीपुल्स॰समाचार संतअलॉयसियसभेंदोदिवसीयएंटर प्रेन्योरश्पिबूटकैंपकार्यक्रमआयोजित



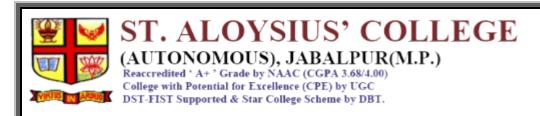
पीपुल्स संवाददाता 🍳 जबलपुर

editor@peoplessamachar.co.in

संत अलॉयसियस कॉलेज में 3-4 जनवरी को एंटरप्रेन्योरशिप बूटकैंप कार्यक्रम का आयोजन किया गया। उक्त आयोजन महाविद्यालय की ईडी सेल (उद्यमिता विकास) और वाणिज्य विभाग इन्क्यूबेशन सेंटर के सहयोग से आयोजित किया गया।

कार्यक्रम का उद्देश्य विद्यार्थी विशेषज्ञों से सीखें कि अपने शहर में अपने स्टार्टअप के लिए धन कैसे इकट्टा कर तथा अपनी कंपनी के लिए किसी भी उत्पाद को पेश करने के बारे में विश्वास हासिल कर मंच

का मालिक स्वयं कैसे बने रहा। अग्ररांसु द्विवेदी, दामिनी अग्रवाल, विवेक सिंग, हृदेश रॉय, आइशा पाण्डेय, अभिषेक अग्रवाल द्वारा विद्यार्थियों को उद्यमिता संबंधी ज्ञान दिया गया।लगभग 100 प्रतिभागियों ने उद्यमिता स्टार्टअप के गुण सीखे। प्राचार्य डॉ. फा.वलन अरासू ने मार्गदर्शन दिया।डॉ. सोनल राय, डॉ. तरविन्द्र कौर, डॉ. आशु जैन, डॉ. ममता गोखले डॉ. रेनु मारकण्डेय, डॉ. सतेन्द्र जैन, डॉ. अमिता, डॉ. मंजु दीक्षित, डॉ. चित्रांशी वर्मा, डॉ. के. रजा, डॉ. दीप्ती देशपांडेय, डॉ. फेमिना, भावना, सुश्री आरिफा का विशिष्ट योगदान रहा।

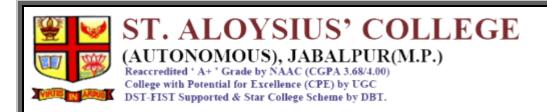


#### **Workshop on Financial Literacy**

Three days workshop on "Financial Literacy" organized by Department of Commerce, St. Aloysius College (Autonomous), Jabalpur in collaboration with VITTSHALA, The Financial Literacy cell, Shri Ram College of Commerce, New Delhi on 6th September to 8th September 2021. The workshop aimed to spread Financial Awareness among the students, facilitate the inclusion of deprived sections into the mainstream banking, insurance & financial services industry. 300 students participated in the workshop.



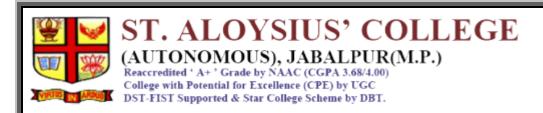




#### **Internship**

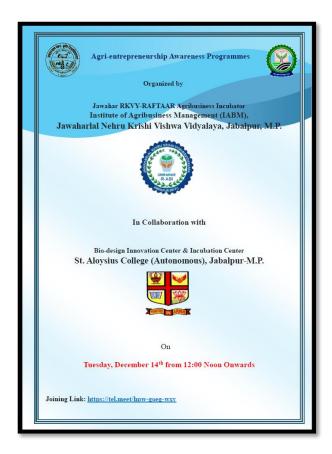
St. Aloysius College in collaboration with Smart City, Jabalpur conducted 60 Hours Internship on Smart City Project. Total 22 Students benifited of this Internship.



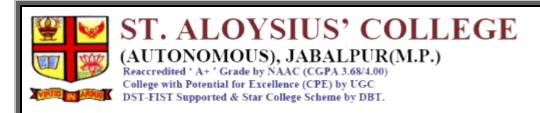


#### Agri-EntreprenuershipAwareness Programme

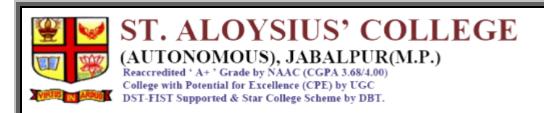
to promote Agri-entrepreneurship and spread awareness among the students about agrientrepreneurship programmes and schemes running under the aegis of Jawahar R-ABI (Agribusiness Incubation Centre), Institute of Agribusiness Management, Jawaharlal Nehru Agricultural University, Jabalpur, M.P.





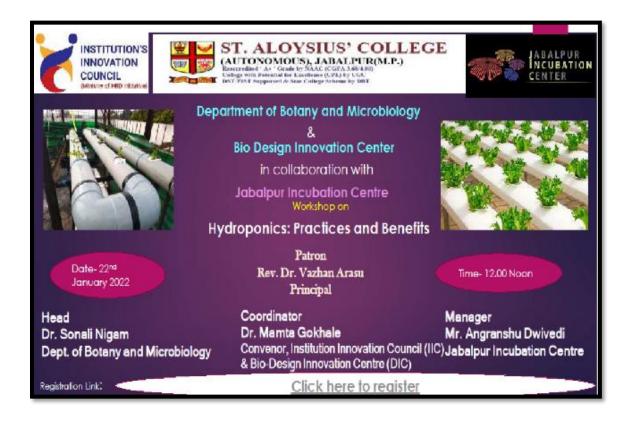


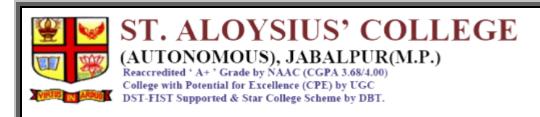


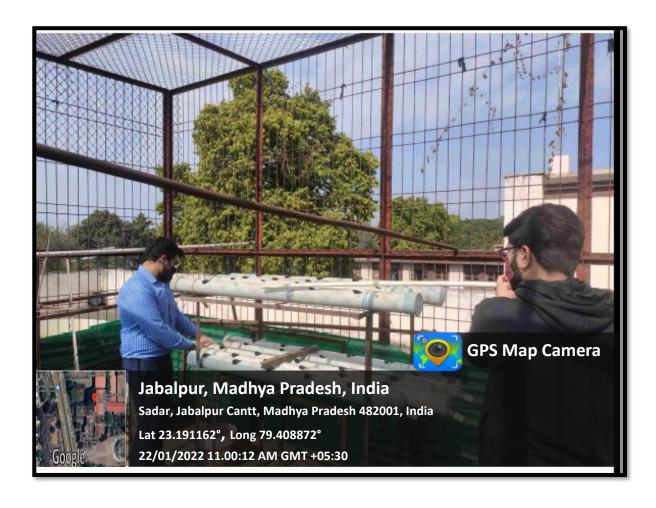


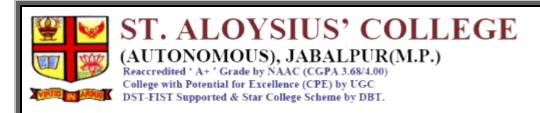
#### **Hydroponic: Practices and Benefits**

A workshop on "Hydroponic: Practices and Benefits" was organized by the Department of Botany and Microbiology on 22 January 2022 sponsored by DBT-Star. Mr. Angranshu Dwivedi, Jabalpur Incubation Centre, Jabalpur was the resource person. The objective of the workshop was skill development for startups and motivating for plantation in less space. Learners can demonstrate different techniques of making bonsai. 33 students participated attend the workshop.









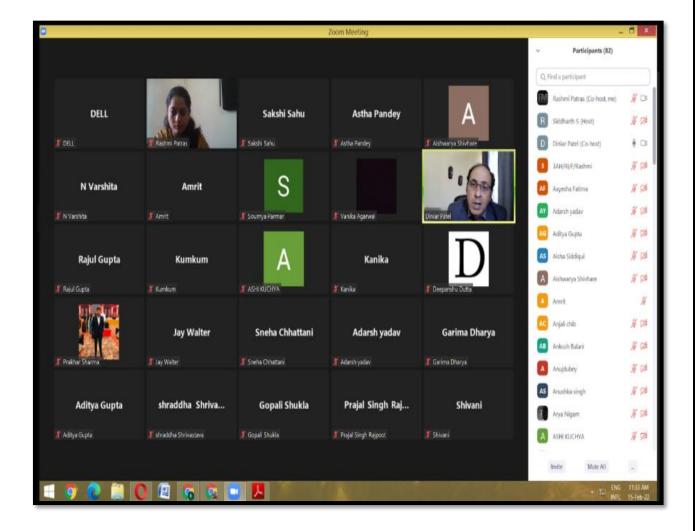
#### National Webinar on Corporate World in the New Normal

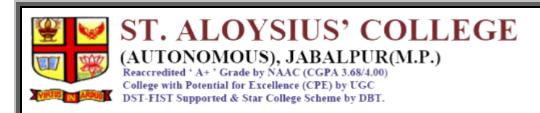
Department of Management in collaboration with Pune Institute of Business Management, Pune organized National Webinar on Corporate World in the New Normal on 15 February 2022. The Speaker for the day was Mr. Diniar Pate, Managing Editor, Residents and Supplements, The Times of India, he enlightened students on corporate world in the new normal form Post Covid. The session was attended by 112 students. Major Takeaways of the session were paradigm shift on working culture – work from home - flexi-timing, major discovery in entertainment sector - Netflix and amazon prime, Gaming industry, mushroom growth in online shopping, Significance of Product value – Branding by striking relationship between customer and product, environment is changing, customer choice, change in demography, Convenience and discount service, concept of work smart spaces, digital payment.





#### (AUTONOMOUS), JABALPUR(M.P.)



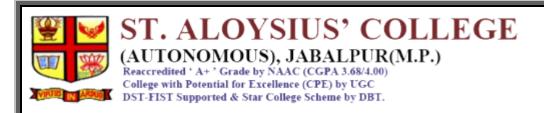


#### **Session for Financial Planning and Reporting**

Miles Education PVT. LTD Add on Course CPBFI for the session 2021-22 commenced from 20/09/2021 in which 49 students were enrolled.

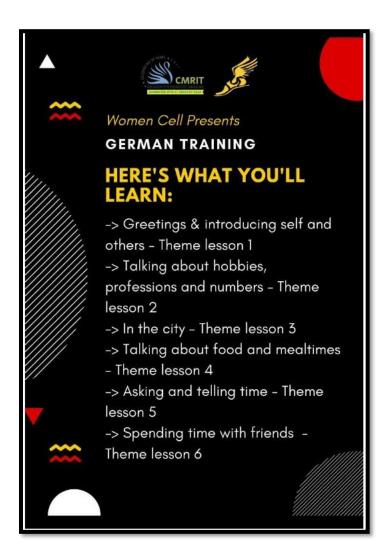






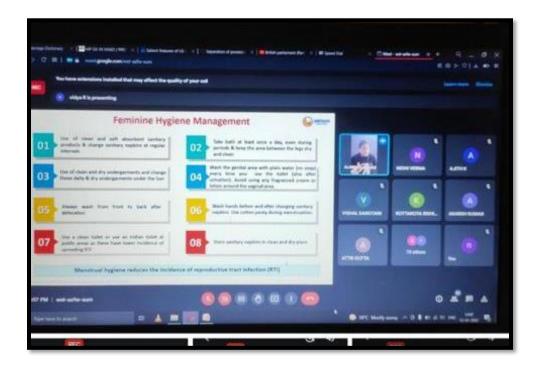
#### **Virtual Lecture (CMRIT)**

The Department of English & Language Lab, in collaboration with Foreign Language Club & Women Cell, CMRIT, Bengaluru conducted a training Programme from January 6, 2022 to March 7, 2022 for students. A total of 60 students registered out of which 14 successfully cleared the test. It was a six weeks programme. The coordinator was Dr. Mary Raymer from St. Aloysius' College and Ms. Meenakshi from CMRIT, Four students namely Ms. Afrin Elahi Sheikh (German Language Trainer), Ms. Taiba (President, FLC). Ms. Bhavya & Mr. Rupesh were the organizers for the programme.

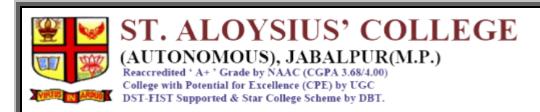




# (AUTONOMOUS), JABALPUR(M.P.) Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

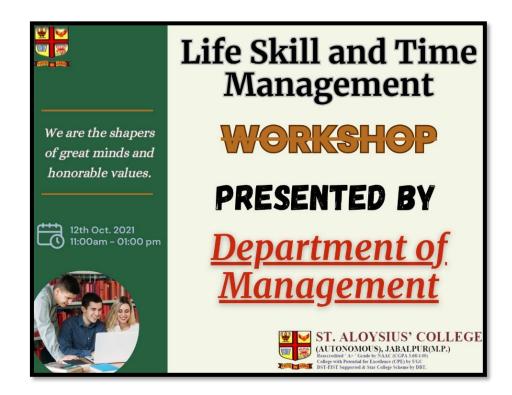






#### **Guest Lecture on Life Skills and Time Management**

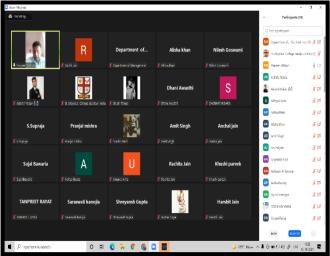
Department of Management conducted a guest Lecture on Life Skills and Time Management in collaboration on 12 October 2021. The speaker was Lt. Col.E. Praveen Wilson. He elaborated on what is the significance of time management and life skills for career advancement and growth in the success of students. He explained that the goal is the key element in setting time management. Besides this, he gave three basic elements for success as Hard Work, Time utilization, and patience. Total students benefitted were 178.



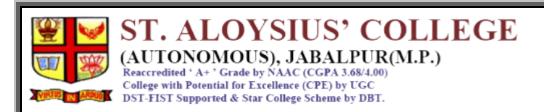


### (AUTONOMOUS), JABALPUR(M.P.)









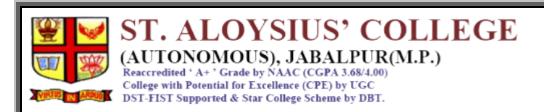
#### **Guest Lectures on Business Intelligence**

Department of Management in collaboration with Jaipuria Institute of Management, Indore organized a guest Lecture on Business Intelligence on 17 December 2021. Dr Pooja Khushwaha, Jaipuria Institute, Indore, was the key speaker for BBA students. She elaborated on the concept of Business Intelligence with respect to the business and youth generation. Total number of students benefited were 300, including 70 offline and the rest 230 online.





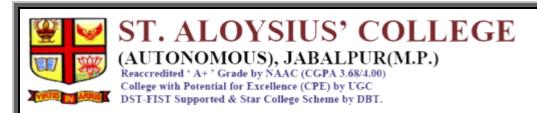




#### **Certificate Course in GLOBAL BUSINESS**

Under International Collaboration with East Carolina University, USA Department of Commerce has commenced Certificate Course in GLOBAL BUSINESS with Partner country La Salle University Columbia from 22nd March 2022 to 7th April 2022. This collaboration will provide the students the opportunity to explore Global Prospects in Business and Industry. There are 15 students from St. Aloysius College (Auto) Jabalpur, Madhya Pradesh & 16 students from our Partner Country La Salle University Columbia.





#### Workshop on Computer Work in Hindi

हिंदी विभाग द्वारा कंप्यूटर विषय पर कार्यशाला दिनांक 02.03.2022 से 08.03.2022 तक आयोजित की गई। इसके अंतर्गत विद्यार्थियों को विभिन्न अभ्यास करवाए गए जैसे -

अभ्यास 1. कंप्यूटर का सामान्य परिचय

अभ्यास 2. वर्ड फाइल

अभ्यास ३. एक्सेल फाइल

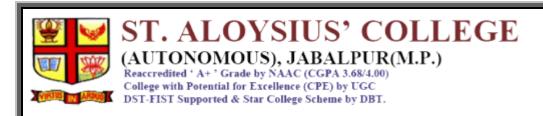
अभ्यास ४. पावरप्वाइंट प्रेजेंटेशन

अभ्यास 5. हिंदी सर्च इंजन

इसमें 26 विद्यार्थियों ने प्रतिभागिता की।

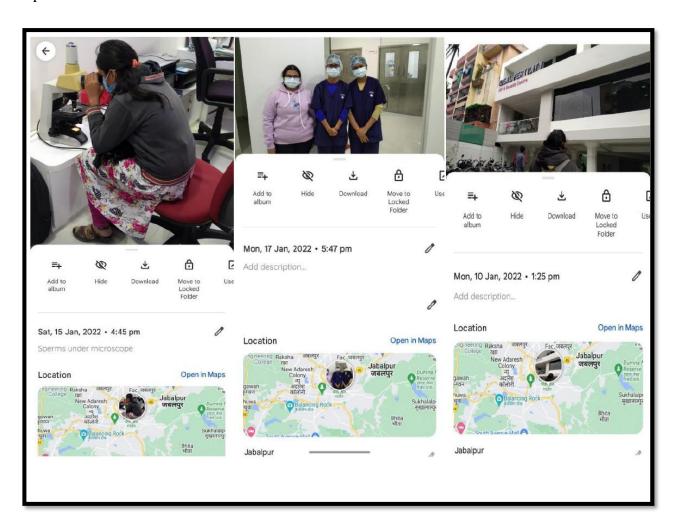


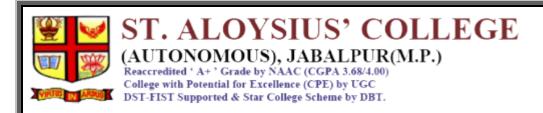




#### **Internship Programme and Visit at IVF**

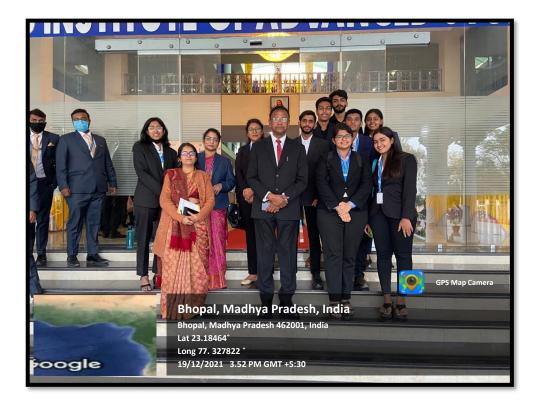
Department of Zoology in collaboration with IVF, B.Sc Ist Year Major Zoology (10 Students) and M.Sc IV Sem Zoology (16 Students) attended an Internship programme of 60 hrs on the topic "In Vitro fertilization" at Ideal Fertility Centre Jabalpur from January to April 2022. It was a fruitful experience for students.

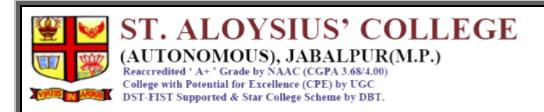




#### **Conclave – Student exchange program**

Two days HR CONCLAVE,' 21 was organized by BSSS Institute of Advanced Studies, Bhopal on 18-19 December 2021. In the Conclave, the industrial experts shared their experience and expertise and contributed to the New Generation Managers by bridging the gap industry-academia gap to carve the industry-ready young managers. Ten students and one faculty member, Aparna Dhingra, Asst. Prof., Department of Management participated in the conclave. The student participants were Rishika Arya, Bhakti Jain, Khushboo Jain, Vidushi Sahu, Himmat Singh, Rishi Dubey, Arnika Bansal, Rajveer Vasudev, Amrit Khare, and Shruti Pandey.



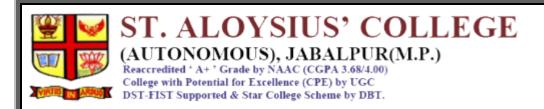


#### **Educational Tour**

On 18-19, Feb 2022 students of BSc went on a Two-day educational tour to Regional Science Center and Institute of Excellence in Higher Education, Bhopal Sponsored by DBT-STAR Scheme.



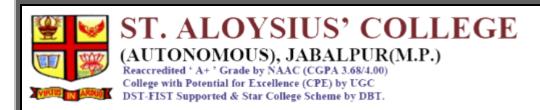




#### **Guest Lecture (Maa Ambey Computers)**

Department of Hindi conducted guest lecture in collaboration with Maa Ambey Computers.



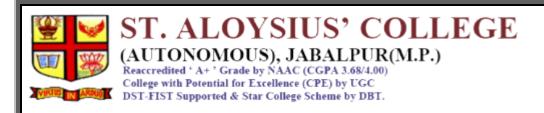


#### **Youth Parliament**

Department of Political Science in collaboration with Pandit Kunjilal Dubey Vidyapeeth, Bhopal has organized Youth Parliament on 5th March 2022.







#### **Online Certificate Course on RHCSA**

Department of Computer Science in collaboration with RedHat conducted Online Certificate Course on RedHat Certified System Administrator (RHCSA) from 7 February 2022.

