



MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY) MULLANA, AMBALA

(Established under Section 3 of the UGC Act, 1956)
(NAAC Accredited Grade 'A' University)

SPECIAL PROGRAMS FOR ADVANCED LEARNERS

1. The University promotes advanced learners by organizing and encouraging them to participate in various competitions at the National Level and core championship events help inside / outside University.
2. The advanced learners are encouraged to attend workshops and technical events.
3. For advanced learners, the department organizes training sessions, for ex. CATIA, Auto mania- A complete engine overhauling, sophisticated instruments like DSC, Flash Chromatography, LC-MS, and are motivated to be members of Legal Aid Committee and actively participate in the legal events like Client Counselling Competitions, Moot Court Competitions, and Legal Awareness Programmes etc.
4. Coaching is given for competitive exams like GPAT/GRE/TOEFL/MBA /CSIR- UGC NET/JEST/GATE/PSU/IELETS entrance to students opting for higher studies.
5. The advance learners are encouraged to lead the department major events like UGKC ISVC, National Hackathon, and Web Unlock etc.
6. The advanced learners are encouraged to learn from resources like Swayam, e-PGPathshala, NPTEL, MOODLE and Institutional LMS.
7. To make advanced learners more familiar with the cutting edge research/technology and the industrial environment, department often organizes industrial visits such as Ion beam accelerator Kurukshetra, Bhakhra Bandh Hydrothermal plant, Nangal etc.
8. The advanced learners are encouraged to work on innovative projects.



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EFFORTS TAKEN FOR ADVANCED LEARNERS (A.Y. 2019-20) – Biotechnology Department

1. Students Participated in 5th global outreach Conference Modern Approaches for Smart Agriculture Held at Shobhit Institute of Engineering and Technology Meerut (07.03.2020)

Total No of Students Participated: 8

Name of Students: Rajat Laller, Rajeev Kumar, Anil Kumar, Anjali-1, Nidhi, Geetika and Anjali-2



Participation Certificate of Students



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Students of MSc Botany presenting poster during National Conference at Meerut



Students of MSc Botany at Shobhit University Meerut during the conference



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2. Students of MSc Botany were encouraged to write research papers for development of research aptitude in them.

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Original Research Article

Bio-Innovative Research Bulletin

Vol. 31 No. 1 January - June 2019, 1-13-21

Management of Post Harvested Paddy Crop Residues by *Aspergillus* Species for Sustainable Agriculture

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 Sushil Kumar Upadhyay^{2*},
 Komal³

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Received: Dec 15, 2018

Revised: Mar 13, 2019

Accepted: May 28, 2019

Published: June 30, 2019

ABSTRACT

Rice (*Oryza sp.* (Kingdom: *Plantae*) is the most staple crop in the World and 400 million tons of rice straw produced worldwide, which supposed to be a source of multi crop residue as per the report of ICR (International Grain Council) during 2007-08. Therefore, it was an urgent need to management of the residue by the best suitable method as biodegradation using various fungal species. The present study was conducted to evaluate the potential activities and analyze the mechanism of action for the management of post harvested crop residues for the sustainable growth. The findings of the current investigation reflected the proteolytic, lipolytic and cellulolytic activities of *Aspergillus* species. The observed worked out may also prove that these microflora played a key role in biodegradation of paddy residues. During the course of study a set of rice fungal isolates were screened from paddy residues (postharvest residue). Out of them, six isolates were selected on the basis of their enzymatic activities (protease, pectinase and cellulase) concentrations of paddy straw. All the six fungal isolates like *A. nidulans*, *A. terrei*, *A. niger*, *A. fumigatus*, *A. niger*, and *A. sp.* showed optimum lipolytic activity, which were further used for in vitro decomposition of their paddy residue by the application of 100 sample as spray on two grams of fresh paddy residue and incubated at 28 ± 1°C for 30 days. At the end of 30 days experiment, the rate of decomposition was measured by ADR (Acid Detergent Residue) and BDR (Biomethane decomposition rate). It was found that *A. niger* showed highest ADR and BDR. However, *A. fumigatus* represented the lowest ADR and BDR. Thus, from the findings authors are suggested to proposed and formulate a strategy for sustainable management of paddy crop residues. The practical application of the present study is assumed to be a role stone for the sustainable environment and natural resource management to ecofriendly agricultural activities and food their sustainability.

KEYWORDS: *Aspergillus sp.*, Paddy crop residue, Biodegradation, Proteolytic, Lipolytic, Cellulolytic.

Original Article

Bio-Innovative Research Bulletin

Vol. 31 No. 1 July-December 2019, 1-13-21

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Ecofriendly Management of Paddy Crop Residues for Sustainable Environment and Development

Raj Singh¹, Sushil Kumar Upadhyay^{2*}, Komal³

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^{2*}Corresponding Author: Dr. Sushil Kumar Upadhyay, Department of Biotechnology, Maharishi Markandeshwar (Deemed to be University) Mullana-Ambala, Haryana 13207, India.

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Received on 22/12/2018

Accepted on 02/11/2019

Abstract

The worldwide mechanization leads to large amount of rice crop residue or stubble production. The management of rice (paddy) crop's post harvested residue is done by burning, incorporation/ mulching, surface retention, mulching, baling and direct removal. The farmers prefer burning of residue in field because it is cheap and less time consuming process. But it causes air pollution, smog and addition of toxic particles into the environment leads to poor air quality and heavy loading clouds. Despite some advantages like killing diseases path and raising yields from the field, the burning leads to loss of nitrogen up to 80%, phosphorus 20%, potassium 20%, sulfur 40%, and organic matter (OM) and increases air pollution and GHG concentration. The incorporation of post harvested crop residue is not by using available agricultural byproducts cause immobilization of inorganic nitrogen (N), it also affects soil temperature, moisture, bulk density and pH. Therefore, Government and scholars together regularly preparing and assessing several policies to not to burn paddy crop residue and promoting management of post harvested paddy crop residues by environmentally safe ways. The ecofriendly methods to residue management provide a new dimension for the application of post harvested residue as bedding material for cattle, fodder (mixed with 50:50, 70:30, Urea, lignolytic fungi and enzymes to reduce the chitin content), packaging material, fuel, biogas generation, and in paper production, mulchless cultivation, and bio-thermal power plants, for sustainable environment and development. Paddy crop residue are used as an alternative fuel source in thermal plant for electricity generation in Malaysia. The microbial degradation of crop residue in the soil can be accelerated using different amendments (paddy straw + 7% cow dung slurry, 5g *Trichoderma harzianum*, 5g *lar* / liter) open, nitrogen baling and phosphorus stabilizing microorganisms in the soil) to the ecofriendly development of crop yield. Thus, sustainable use and management of paddy crop residue proved beneficial for farmer, society as well as environment by enhanced economy, self-reliance and reduced pollution level.

Keywords: Paddy crop residue, stubble burning, Sustainable management, Sustainable development, Incorporation, Mulching, Baling, Microbial-degradation.



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3. Students were taken to educational tours for their skill enhancement and Better understanding of the subject.



Students at Nature - Herbal Park, Chuharpur, Yamunanagar



Students at ICAR-NDRI, Karnal



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4. Students of MSc Botany were encouraged to participate in various national level quizzes and webinars for their enhancement of their knowledge



Certificate of Participation

This is to certify that **Anjali, Maharishi Markandeshwar (Deemed to be university)** has participated and successfully completed online **COVID-19 Awareness Quiz** on 5/16/2020.

Dr. Kuldeep Singh, MRSC
Associate Professor
MM(DU) Mullana
RSC Member

Dr. (Mrs) Raman Singh
Assistant Professor
MM(DU), Mullana
GWIS Member

Dr. Ashok Kr Garg
Chief Librarian
MM(DU) Mullana

Professor Victor Gambhir
Vice Chancellor
MM(DU) Mullana



Certificate ID: MMDU-GX68IK-CE001046

5/16/2020

www.mmmullana.org





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 Maheshwari Vidya Pracharak Mandal, Pune's
Deshbhakt Harinarayan Bankatlal
**SONI COLLEGE,
SOLAPUR** 

(Affiliated to Purnyashlok Ahilyadevi Holkar Solapur University, Solapur) (Maharashtra, India)
105/2 B, Safful, Vajapur Road, Solapur-413004 www.dhsonicollege.com mail: sonicollege@gmail.com Tel: (0217)-2341366

CERTIFICATE OF PARTICIPATION

Certificate No.: **IQ57RQ-CE009634** Score is: **80 %**

This is to certify that **Meghna**

Student , Maharishi Markandeshwar deemed to be
University, Mullana, Ambala
participated in International E-Quiz On "International Yoga Day"
21st June, 2020 Organized by IQAC Cell.


Mr. Arvind Bagale
IQAC, Coordinator


Dr. Vasanti Iyer
Principal


Shri. Laxmikant Somani
Chairman

GOVT. DIGVIJAY AUTONOMOUS P.G. COLLEGE
RAJNANDGAON, CHHATTISGARH, INDIA
(Affiliated to Henschel Yadav University, Durg, C.G.)



INTERNATIONAL WEBINAR ON
Emerging Challenges and Opportunities on Higher Education due to COVID-19 Pandemic

Certificate of Participation
This is to certify that
Ms. Anjali

has participated in International Webinar on "Emerging Challenges and Opportunities on Higher Education Due to COVID-19 Pandemic" held on 13th June 2020. (This is equivalent to a regular International Seminar).


Dr. (Mrs.) Sonal Mishra


Mr. Gokul Nishad


Dr. Trilok Kumar


Dr. Majid Ali


Dr. (Mrs.) B.N. Mishra

Organizing Secretary Convener Patron & Principal

Participation certificates of MSc Botany in various al Level quizzes and webinars



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5. Students of MSc Botany were encouraged to participate in various online training programs for their skill enhancement.





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Participation certificates of MSc Botany in various Training Programs



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EFFORTS TAKEN FOR ADVANCED LEARNERS (A.Y. 2019-20) – CSE Dept.

1. Students participated in various competitions at University/State/National and International level.

S. No.	Events	No. of Students Participated	Outcome
1	National Hackathon	15	<ul style="list-style-type: none">Shivam Verma and Manuveer Khan got the 1st and 2nd prize respectively.Prize distribution ceremony is conducted for the Winners.Improved coding skills, provide knowledge about evolving field of Technology.
2	Da Vinci Code	28	
3	Web Unlock	52	
4	XQuizIT	23	
5	Dexter's Lab	35	



Certificate of participation in National Hackathon at Manipal University, Jaipur.



Students Receiving Certificates for participation in Web Unlock event conducted by CSE department



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Glimpses of Students participating in Da Vinci Code event.



Certification of Manuver Khan for 2nd position in XQUIZIT event held during national level competition.



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2. Advanced learners are encouraged to attend seminars/guestlecturers/workshops.

S. No.	Events	No. of Students Participated	Outcome
1	Workshops	27	<ul style="list-style-type: none">• Various tips on how a student should make a road map to pursue excellence in various fields were given to students.• Improved research aptitude.
2	Industrial Motivational Campaign	110	
3	Guest Lectures	74	



Inauguration Session of Industrial Motivational Campaign



Two day Hands on workshop on Microcontroller Programming & Simulation Software



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Glimpses of Expert talk on Cyber Security



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3. Advanced learners are encouraged to participate in club activities

S. No.	Events	No. of Students Participated	Outcome
1	Code Auction	88	Improved thinking ability, coding ability, presentation ability.
2	Profit War	115	
3	Snap-Hunt 2.0	225	
4.	Game Of Codes 1.0	25	

4. Placement Activities/ Competitive Exams/ HigherStudies

S.No.	Events	No. of Students Participated	Outcome
1	First Step	39	<ul style="list-style-type: none">Students are placed in various companies with a higher package of 12 lakhs.These programs are conducted for betterment of students. The students are also given a summary sheet on the areas of improvement.
2	Employability Skill Development	74	
3	Soft Skill and Personality Development	74	



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EFFORTS TAKEN FOR ADVANCED LEARNERS (A.Y. 2019-20)- MMICTBM(MCA)

The students are identified as an Advanced Learners from BCA and MCA on the basis of their remarkable performance in academics, sports, cultural and other academic/co-curricular activities in the University/ Institute/ Other Institutions.

Details of Students Participation and their Outcome Records

1. Advanced learners are encouraged to attend the seminar/guest lecture/Workshops.

Sr. No.	Event	Outcome
1.	Capability Enhancement Programme	<ul style="list-style-type: none">• Improved knowledge about latest technologies in the field of computer application.• Efforts taken by the institute to placed advanced learners in more than one companies.• To learn innovative and new concepts.• Improved Soft, employability and coding skills.
2.	Employability Training	
3.	Soft Skill Workshop	
4.	Making Best out of Your Education	
5.	Pre Placement Test of Reasoning and Aptitude	
6.	Wheebox National Employability test	



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Students Participating in activity on Soft Skills



Hands on activity on Making Best out of Your Education



Students Participating in Soft Skill Workshop organised by the Institute to improve their soft Skills.



Students Participating in Capability Enhancement Programme to improve their Employability Skills.



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2. Advanced learners participated in university/inter-collegiate level competitions.

Sr. No.	Event	Outcome
1.	Debate Competition	Students got the certificates
2.	Elocution Competition	Lakshya got the second prize
3.	Technical Quiz	Students got the certificates
4.	Echo	Lakshya got the third prize
5.	Easy writing	Students got the certificates
6.	First Step	Lakshya got the first prize
7.	Matra Basha (Poetry)	Lakshya got the second prize prize



Certification of Lakshya Sharma for 2nd position in **Matra Basha (Poetry)** event.



Certification of Lakshya Sharma for 1st position in **First Step** event.



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Haryana Progressive Panchayat on News channel khabre Abhi Tak



Certification of Student in Poetry Competition.



Certification of Lakshya Sharma for 2nd Position in Elocution Competition.



Certification of Student in Technical Event Code Cruncher.



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3. Excellent performance of Advance learners by Placed in more than one reputed MNC's companies (Infosys, Deloitte, Wipro and Capgemini).

Sr. No.	Name of student placed in more than one companies	Companies
1.	Aditya	Infosys, Deloitte
2.	Bihara Singh	Deloitte, Wipro
3.	Yogita Gogi	Deloitte, Infosys, Wipro
4.	Nanacy Sandhuri	Wipro, Capgemini

4. Students were taken to educational tours for their skill enhancement and Better understanding of the subject and technology.



Industrial visit was organized in Impinge Solutions F-265 Phase 8B Industrial Area, Mohali



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5. Students of MCA were encouraged to present poster for development of research aptitude in them.



Poster presentation by MCA students



Certification of student in poster presentation



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EFFORTS TAKEN FOR SLOW LEARNERS (A.Y. 2019-20) - MRICTBM(MCA)

The students are identified as Slow Learners from BCA and MCA on the basis of their weak performance in academics, sports, cultural and other academic/co-curricular activities in the University/ Institute/ Other Institutions.

1. Extra classes are arranged by Institute for Re-appear students for preparation of their supplementary examinations and special classes are also arranged for slow learners to improve their communication skills.

M.M. INSTITUTE OF COMPUTER TECHNOLOGY & BUSINESS MANAGEMENT
MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY)
MULLANA-AMBALA, HARYANA (INDIA) - 133207
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SMRICTBM/2019 / 07 Date: 21/11/2019

Notice

This is to inform to all the students of BCA 1st (section B) students that the extra classes have been scheduled from 22-11-2019 to 29-11-2019. The schedule of classes is given below:

Schedule of extra classes on 22-11-2019

11:10-12:10	102 RA 105
3:10-4:10	101 PR 105

Schedule of extra classes on 25-11-2019

11:30-12:30	103 RC 105
1:40-2:40	101 PR 105
2:40-3:40	102 RA 105
3:40-4:40	103 RC 105

Schedule of extra classes from 26-11-2019 to 30-11-2019

9:50-10:50	101 PR 105
10:50-11:50	102 RA 105
11:50-12:50	103 RC 105
1:40-2:40	103 RC (1) SC 105
2:40-3:40	104 DS 105

Head Mentor
Principal
21-11-19

Extra classes are arranged for Slow learners



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**M.M. INSTITUTE OF COMPUTER TECHNOLOGY & BUSINESS MANAGEMENT
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MMICT&BM/2020/ FB 3

Date: 05-02-2020

NOTICE

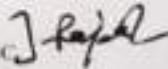
This is hereby informed to all the students of BCA 2nd Semester (Section B) that special classes of Communication Skills will be held as per schedule given below w.e.f 06-02-2020 (Thursday).

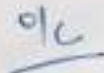
Day	Time	Class/Section/Group	Venue
Monday	15:40 pm - 16:40 pm	BCA 2 nd (B)(G1)	Engineering Block 2 (Communication Lab)
Thursday	11:50 am -12:50 pm	BCA 2 nd (B)(G2)	Engineering Block 2 (Communication Lab)
Friday	11:50 am -12:50 pm	BCA 2 nd (B)(G1)	Engineering Block 2 (Communication Lab)
	13:40 pm - 14:40 pm	BCA 2 nd (B)(G2)	Engineering Block 2 (Communication Lab)


Principal
05-02-2020

Copy to:

1. Dr. Sunita Rana, Dept. of Humanities, MMEC
2. HOD, Dept. of Mathematics & Humanities, MMEC
3. All the faculty members, MMEC
4. Notice Board
5. PS to Director, MMEC





Special classes are arranged for Slow learners to improve their communication skills



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EFFORTS TAKEN FOR ADVANCED LEARNERS (A.Y. 2019-20) – Chemistry Dept.

1. Workshop on Chemdraw Software, 13-14.06.2020 (online mode)

A two day workshop on the chemistry structure drawing tool 'Chemdraw Software' was organized by department of chemistry, M.M.E.C., MM(DU) from 13-14.06.2020 at 5:30-6.30pm through online mode. Resource Person was Dr. Pooja Sethi (from chemistry department, M.M.E.C., Mullana) Software setup was also provided to the participants. This workshop aims at skill enhancement of participants.



Students attending the workshop



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2. Workshop on Plastic Waste Management", 26.09.2019

Department of Chemistry organised a workshop in collaboration with ECO CLUB on "Plastic Waste Management" On 26.09.2019. Dr. Gaurav Shukla and Mr. Siddharth from Civil Deptt. MMDU were the resource person.



3. Microwave Assisted Synthesis Workshop, 13.11.2019

One day Workshop on Microwave Assisted Synthesis in collaboration with Anton Par, Chandigarh have been organized by Chemistry Department. The demonstration of Microwave Reactor was also given to students for increasing the practical skills of students.



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4. Seminar on Drone with Waste Material, 16.9.2019

One day seminar was organized by Chemistry Department on 16.9.2019. The making of Drone with waste material has been discussed with students and a flying session also organized.



Flying session of Drone



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EFFORTS TAKEN FOR ADVANCED LEARNERS (A.Y. 2019-20) – Law Dept.

Ms. Manveet Babbar went to International Educational Tour to the United States of America for 18 days from 1st February to 18th February, 2020



Visit to UNO Headquarter, Wargo Law Firms, Supreme Court and the Senate of the USA International Law Institute, Washington, DC and observed their functioning and shared views.

Students participated in Legal Aid Camp in collaboration with District Legal Services Authority Ambala on 27th February 2020.

No of Participants	OUTCOME
30	 <p>Door-to-door campaign, Questionnaires prepared by the department of law was distributed among the villagers and student participants helped the villager to fill that Performa.</p>



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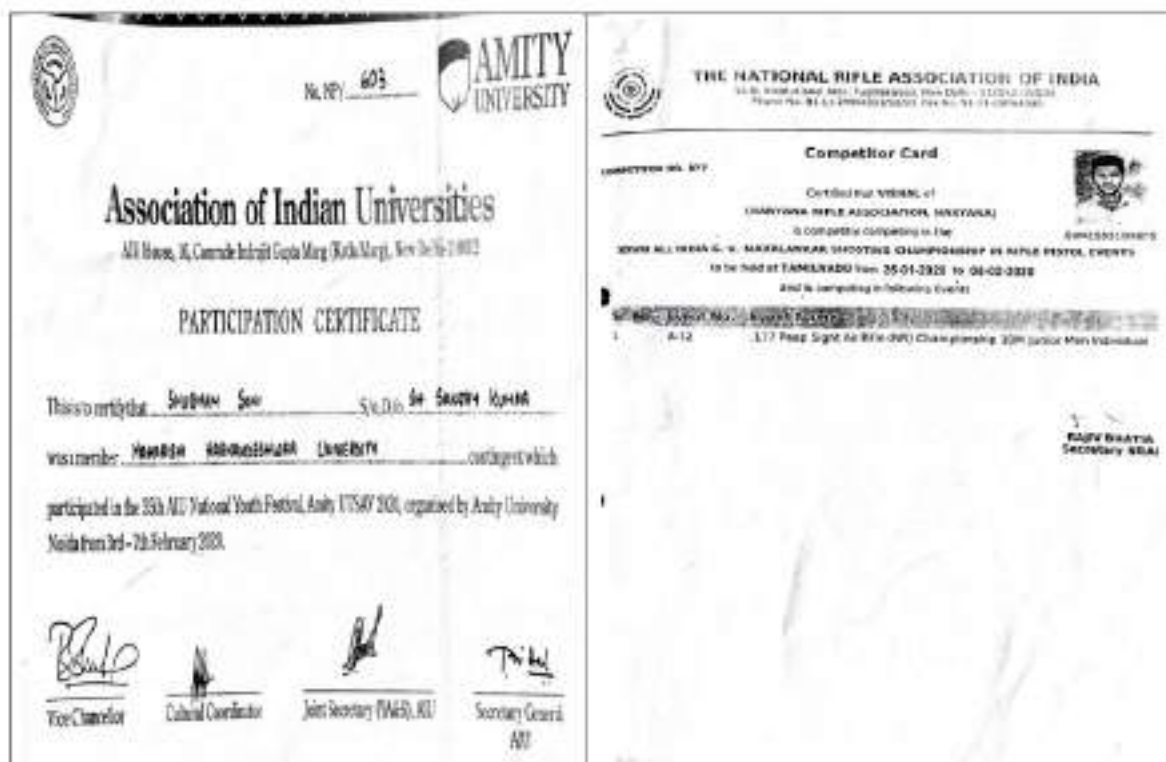
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EFFORTS TAKEN FOR ADVANCED LEARNERS (A.Y. 2019-20) – ME Dept.

1. Advance learner participation at the National Level

Total Number of Students Participated	Name of the Students	Outcome
2	1. Shubham Soni	Participation Certificate (Amity University)
	2. Vishal	Participation Certificate (The National Rifle Association of India)

Certificates



2. Advance Learners attended Guest Lecture

Guest Lecture	Outcome
Entrepreneurship	Improved knowledge in the field of business



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Attendance Sheet

Date: 09/11

Topic: Entrepreneurship
Speaker: Arshita Bahuguna
Mullana, Ambala

Faculty of Distance Education
Mullana, Ambala
Date: 8/11/2020
Page no.

Sr No	Name	Roll No	Signature
1	Madan Khandel	11175129	
2	Bishal Bhatia	11175131	
3	Harsh	11175140	
4	Rishabh Rana	11175124	
5	Bishal Bhatia	11175122	
6	Pooja	11175138	
7	Garv	11175135	
8	Mansi Kumar	11175123	
9	Chaman	11175141	
10	Rishi	11175118	
11	Mishra	11175110	
12	Vishal Jaiswal	11175151	
13	Sachin	11175136	
14	Shy. Ghani	11175144	
15	Nikhil Kumar	11175155	
16	Madhu	11175134	
17	Deepak	11175147	
18	Prashant	11175105	
19	Darsh Dahi	11175126	
20	Pooja Katar	11175125	
21	Anam	11175145	
22	Anil Sharma	11175127	
23	Shubham Soni	11175115	
24	Uday Dhall	11175117	
25	Tarun Saini	11175149	
26	Jeetendra Katar	11175150	
27	Hanshi	11175107	
28	Anam	11175106	
29	Pooja	11175153	
30	Pooja	11175104	





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EFFORTS TAKEN FOR ADVANCED LEARNERS (A.Y. 2019-20) – Physics Dept.

1. Advanced learners participated in the Quiz Competition in National Science Day Celebration on Science and Technology for Sustainable Futures organized by Department of Basic Sciences, MM Engineering College, Maharishi Markandeshwar (Deemed to be University)-Mullana –Ambala on **28th February 2020**.




Total Number of students participated	Name of the Students participated	Outcomes/Glimpses
17	1. Simran 2. Rishav 3. Rohan 4. Neeraj 5. Komal 6. Kajal 7. Pinki 8. Deepak 9. Harsh Raj 10. Amandeep 11. Rupal 12. Chetan 13. Dheeraj 14. Minki 15. Manmeet 16. Nisha 17. Mohit	<ul style="list-style-type: none"> Improved logical thinking and decision making capabilities.   <p align="center">Students Participating in the quiz</p>



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2. Provided specially designed guidance classes, to compete various competitive exams like CSIR NET/JEST/GATE etc.

Competitive Exam	Outcomes	Advance learner achievements
CSIR-UGC NET JEST CTET etc.	01 Student Qualified CSIR-NET with Rank 125 01 Student Qualified JEST with percentile 96.14 01 Student qualified CTET. 01 student admitted to PG program.	 <p align="center">CSIR-UGC NET Certificate of Advanced learner</p>
	 <p align="center">JEST result of Advanced learner</p>	 <p align="center">CTET result of Advanced learner</p>



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EFFORTS TAKEN FOR ADVANCED LEARNERS (A.Y. 2019-20) – Pharmacy Dept.

1. Students participated in Literary Speaking Competition organized by department of student welfare, MM (DU) Mullana.

Total no of student participated	Student participated	Outcome
04	01. Surbhi Gupta 02. Deepika 03. Yash 04. Philips Kumar	Surbhi stood 1st Position







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2. Advanced learners encouraged to get participated in various events on national pharmacy week.

S. No	Event	No. of Student Participated	Outcome
1.	Food stalls	5 teams	<p>Cooking talent of some students can be reflected and promoted team work.</p> 
2.	Singing and Dancing	20	<p>Rakhi got 1st prize in Dance competition. Students are full of enthusiasm and get encouraged for further participation.</p> 



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Appreciation Certificate

3. Advanced Learners to take participated in various conferences and workshops.

S.NO	Name of event	No. of student participated	outcomes
1.	2 nd North zone conference organized by MM college of pharmacy	25	Improved thinking ability and communication skills of the students
2.	Entrepreneurship development program for business development	08	Enhanced skill development



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Certificates of appreciation received by students for participation in various conferences and workshop

4. Providing Coaching for competitive examinations like GPAT

Competitive Exam	No of Students Enrolled	Outcome
GPAT	35	Many students get their GPAT exam qualified.



GPAT score cards of students



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Attendance proofs of student attending Online GPAT classes

5. Attending Webinars and participated in many online events like posters, debates, essay etc.

S.NO	EVENT	NO. OF STUDENT PARTICIPATED	OUTCOME
1	Webinar on pharmaceutical regulatory aspects by Hindu college of pharmacy	15	Improved knowledge and latest updates by the various fields.
2	Online poster making competition on COVID-19	06	Improve their aptitude and level of thoughts
3.	Online Quiz Competition	05	Enhanced knowledge and online skills were improved



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Certificate of Online webinarPoster Presentation on COVID-19



Certificates of appreciation by advanced learners for Online Quiz Competition

6. Encouraged to learn from resources like SWAYAM, e-PG Pathshala, MOODLE etc.

NAME OF STUDENT	SOURCE OF LEARNING	OF	OUTCOME
Ashish Kumar	Oasis Pharma		Enhanced Research aptitude



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11:25 AM 28/07 100% Signal 5G

Oasis Pharma (@oasis_pharma) · 11:24 AM 28/07 100% Signal 5G

Instagram Log in Open App

oasis_pharma Follow

OASIS

Oasis Pharma
📍 Thinker in Chief - Ashish
📍 Pharmacist 🇮🇳
📍 ESTD: may 2020
📍 USE - #oasispharma
📍 SERIES- Drugs by Class
EASY LEAFLETS | SIMPLIFIED | SHORT 📄

U V OASIS OASIS

27 posts 117 followers 54 following

Grid of 15 drug class leaflets:

- TYPICAL STEROIDS
- TYPICAL STEROIDS WITH ANTI-INFECTION
- TRANSITION STABILISERS
- TRISODIUM ANTICARBOXYLATES
- TRICYCLIC ANTIDEPRESSANTS
- TRIFUNCTIONAL PEROXIDAL ANTIMIOTICS
- ULTRASONIC CONTRAST MEDIA
- UPPER RESPIRATORY COMBINATIONS
- URIC ACID ANTIHYPERURICEMICS
- URIC ACID DELAYED AGENTS
- URINARY ANTI-INFECTIVES
- URINARY ANTIMETABOLITES
- URINARY PH MODIFIERS
- MYOBLASTIC AGENTS

Grid of 3 drug class leaflets:

- TYPICAL STEROIDS
- TYPICAL STEROIDS WITH ANTI-INFECTION
- TRANSITION STABILISERS

11:25 AM 28/07 100% Signal 5G



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SPECIAL PROGRAMS FOR SLOW LEARNERS

1. Tutorial/Remedial Classes are organized for selected subjects.
2. Assignments are given to the students to enhance self-learning.
3. Question bank provided to the students containing important questions on the topic and frequently asked questions in the University examination.
4. Extra subject notes are provided in class room.
5. Students having poor performance in in-semester assessment tests/sessional examination are given an opportunity to appear for re-assessment/improvement sessional examination.
6. Individual attention is given to the students, where sessions are conducted to solve students' difficulties/doubts.

Sample

Department of Histology
MMEC, Mullana
Revision Questions in the Subject of Cytogenetics – BDS III
M.Sc. Botany I*

Define or briefly explain the following term

- i. Cytology
- ii. Karyotype
- iii. Telomere
- iv. Nullosomy
- v. Allopolyploidy

- a. What you mean by Chromosome banding. Explain its use and types.
- b. With the help of diagram/Flow chart explain short the origin of hexaploid wheat.
- c. With suitable examples differentiate between Haploid and aneuploid.
- d. Briefly explain linkage, recombination and crossing over.
- e. What do you mean by Aneuploidy? What are its various types? Briefly explain C. meiosis and trisomy.
- f. Write short note on various rearrangements observed in chromosome structure.

Practice Questions and Answers:

Subject: Plant Physiology

Q. 1. How will you define diffusion?

Ans. The net movement of molecules of a solute from regions of higher concentration to the regions of lower concentration is called diffusion.

Q. 2. Explain the phenomenon of osmosis.

Ans. The process of the movement of water across the semipermeable membrane from a hypotonic solution to a hypertonic solution is called osmosis.

Q. 3. Differentiate between the terms hypotonic and hypertonic.

Ans. Hypotonic means less concentrated, whereas hypertonic means more concentrated.

Q. 4. What do you understand by semipermeable membrane?

Ans. A membrane, which allows some substances to pass through, but not the others, is called semipermeable membrane.

Q. 5. Explain the term osmotic pressure.

Ans. It is a pressure required to prevent the osmotic movement of pure water into a solution across a semipermeable membrane.

Q. 6. Explain the meaning of plasmolysis.

Ans. It is the shrinkage of the protoplasm of the cell away from its cellulose wall when placed in hypertonic solutions, usually because of the osmotic withdrawal of water from its large central vacuole.

Q. 7. What do you mean by turgor?

Ans. Turgor is the tension on a cell wall because of the pressure of water inside the cell.

Solved Question Answer



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GRAM-POSITIVE



GRAM-NEGATIVE



Fixation



Crystal Violet



Iodine Treatment



Decolorisation



Counter stain with Safranin

Difference between Gram Positive and Gram Negative

Diagrammatic presentation of study Material for slow learners



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Course Title: Biochemistry & Metabolism

Date of Exam: 14/05/2020

Course No. : MBOT-512

Timings: 2:30-3:30 PM

Branch/Section : M.Sc Botany 2nd Sem

No. of copies required:

Q.No.	Max. Marks: 30	Time Allowed: 1:00 h	Marks
		Section A	1X16=16
		1. Name the two important byproducts of HMP shunt	
		2. Tricarboxylic acid cycle to be continuous requires the regeneration of	
		3. How many molecules of ATP are produced by the total oxidation of acetyl CoA in TCA cycle	
		4. What do you understand by uncoupler of oxidative phosphorylation?	
		5. What is the significance of photorespiration?	
		6. Name two key enzymes of glyoxylate cycle that are not present in TCA cycle	
		7. Name the end product of odd chain fatty acid degradation.	
		8. Which hormones regulate fatty acid synthesis	
		9. Name the organelle where fatty acid synthesis and elongation takes place.	
		10. An amino acid that does not form an α helix is	
		11. The optically inactive amino acid is	
		12. How many amino acid residues (number) does each turn of α -helix contain?	
		13. In the transamination process, amino group is transferred to α -ketoglutarate converting it into	
		14. What is oxidative deamination?	
		15. Name the enzyme that is involved in the biological conversion of atmospheric nitrogen to ammonia.	
		16. Draw the reaction catalyzed by RuBisCO	
		Section B	4X1.5=6
		17. Name the checkpoint enzymes of TCA Cycle	
		18. Name the inhibitors of Electron Transport Chain	
		19. What are P_i and P_{ii} bonds in Ramachandran Plot.	
		20. Name the techniques that can be used for the study of Protein-Protein interaction	2X4=8
		Section C	
		21. Name seven enzymes of multienzyme complex fatty acid synthase.	
		22. Name the four basic steps of β oxidation of fatty acid.	
		23. Enlist the members of Electron transport Chain.	
		24. Enlist rhizobial Nod proteins and their functions.	

Copy of Special exam conducted for slow learners



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Tutorial/Remedial Classes are organized for selected subjects

Schedule of Classes for Slow Learners

M. Sc. Botany

(Only for those having Attendance less than 60 % and Scores less than 50 % in
Sessional Exams)

(LT-11) (Engg Block No. 2)

(Only on Saturdays)

DAYS/TIME	1	2	3	4	5
	8:50-9:50	9:50-10:50	10:50-11:50	11:50-12:50	12:50-1:45
Saturday 1st Semester	BO-S-101: Phycology	BO-S-103: Mycology	BO-S-105: Microbiology	BO-S-107: Plant Ecology	BO-S-109: Cytogenetics
Saturday 3rd Semester	BO-S-201: Environmental Management	BO-S-203: Angiosperms	BO-S-205: Plant Pathology	BO-S-EL-602 Plant Cell and Tissue Culture	BO-S-EL-601 Cell and Molecular Biology

Copy of Time table organized for slow learners



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**List of Slow Learners
Session: 2019-2020 (Even Semester)
4th A**

S. No	Name	Roll No.
1	Kiran Prasad Pandey	11185116
2	Nitin Saini	11185117
3	Aditya Saini	11185501
4	Rohan Kumar Roy	11185118
5	Nikhil Khanna	11185106
6	Aayush Majgainya	11189113

6th A

S. No	Name	Roll No.
1	Pritpal Singh	11172513
2	Harshit Kanojia	11175107
3	Uday Singh	11175117
4	Pushank Kakkar	11175125
5	Dhruv Sahni	11175126
6	Tarun Saini	11175149
7	Deepanshu Kohli	11175150
8	Katram Srinivas	11175135
9	Sachin Kumar Patel	11175136
10	Chaman Kumar	11175141
11	Aadesh Chaudhary	11172616
12	Nishu Kumar	11172555
13	Vivek Yadav	11175151

8th A

S. No	Name	Roll No.
1	Divya Kumari	11165131
2	Satvinder Singh	11165124
3	Prabhanshu Parmar	11165116



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**List of Slow Learners
Session: 2019-2020 (Odd Semester)
3rd A**

S. No	Name	Roll No.
1	AdityaSaini	11185501
2	Rohan Kumar Roy	11185118
3	Nikhil Khanna	11185106
4	AayushMajgainya	11189113

5th A

S. No	Name	Roll No.
1	HarshitKanojia	11175107
2	AmanSaini	11175106
3	Prashant Sharma	11175105
4	PankajKapoor	11175104
5	Bhushan Kumar	11175103
6	Pritpal Singh	11172513
7	HarshitKanojia	11175107
8	Uday Singh	11175117
9	PushankKakkar	11175125
10	DhruvSahni	11175126
11	TarunSaini	11175149
12	DeepanshuKohli	11175150
13	KatramSrinivas	11175135
14	Nishu Kumar	11172555
15	VivekYadav	11175151

7th A

S. No	Name	Roll No.
1	SachinTiwari	2314007
2	Joginder	11165104
3	NiteshKr.Dubey	2314005
4	Saurabh Kumar	11165114
5	PrabhanshuParmar	11165116
6	Ashish	11165122
7	Harsh Gupta	11165128
8	Vishal	11165140
9	Amardeep Singh	11165144
10	Prabhjot Singh	11165147



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Extra Classes Time Table arranged for slow learners students 3rd Semester Students (2019-20)

Day	Time	Subject	Faculty
Saturday	9:00 A.M. to 10 A.M.	SOM	Dr. R. D. Gupta
	10:00-11:00	MP	Mr. Gaurav
	11:00-12:00	Fluid Mechanics	Mr. Subhash Malik
	12:00-1:00P.M.	Break	
	1:00-2:00 P.M.	Thermodynamics	Mr.Sanjeev Saini

Extra Classes Time Table arranged for slow learners students 5th Semester Students (2019-20)

Day	Time	Subject	Faculty
Saturday	9:00 A.M. to 10 A.M.	Marketing Management	Dr. Jatinder Chabra
	10:00-11:00	Machine Design	Dr. R.C. Sharma
	11:00-12:00	AE	Mr. Sameer Sharma
	12:00-1:00P.M.	Break	
	1:00-2:00 P.M.	Heat Transfer	Dr. Shaman Gupta
	2:00-3:00 P.M.	RAC	Dr. Arun Gupta

Extra Classes Time Table arranged for slow learners students 7th Semester Students (2019-20)

Day	Time	Subject	Faculty
Saturday	9:00 A.M. to 10 A.M.	VIBRATION/PPE	Mr. Sanjeev Saini /Mr. Jastinder Singh
	10:00-11:00	Project Management	Dr. Anish Kumar
	11:00-12:00	QCR/A&R	Dr. Jatinder Chabra/ Mr. Sameer Sharma
	12:00-1:00P.M.	Break	
	1:00-2:00 P.M.	NCM/WT	Mr. Guru Prakash/ Mr. Ravish Arora



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Extra Classes Time Table arranged for slow learners students 4th Semester Students (2019-20)

Day	Time	Subject	Faculty
Saturday	9:00 A.M. to 10 A.M.	KOM	Dr. Jatinder Chabra
	10:00-11:00	ATDH	Mr. Subhash Malik
	11:00-12:00	SOM	Dr. R. D. Gupta
	12:00-1:00P.M.	BREAK	
	1:00-2:00 P.M.	MATERIAL ENGG	Dr. Anish Kumar
	2:00-3:00 P.M.	Mechatronics	Mr. Ravish Arora

Extra Classes Time Table arranged for slow learners students 6th Semester Students (2019-20)

Day	Time	Subject	Faculty
Saturday	9:00 A.M. to 10 A.M.	Machine Design	Dr. N.K. Batra
	10:00-11:00	Tribology	Mrs. Iti Dikshit
	11:00-12:00	Control Engineering	Dr. Arun Gupta
	12:00-1:00P.M.	Break	
	1:00-2:00 P.M.	ICGT	Mr. Subhash Malik
		Industrial Engg	Dr. Bikramjeet Singh

Extra Classes Time Table arranged for slow learners students 8th Semester Students (2019-20)

Day	Time	Subject	Faculty
Saturday	9:00 A.M. to 10 A.M.	Enivormental Pollution	Mr. Siva
	10:00-11:00	CAPP	Mr. Manmeet Singh
	11:00-12:00	Elective	Mr. Bikramjeet Singh



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Sample Analysis report on slow learners

Roll No.	Name	Justification			Average Performance
		Quantitative	Subjective		
		Previous Result(10CGP A)	Class Test(1st sessional marks)(50)	Class Performance(Assignment, Participation in class)(10)	
11165108	Bhavishya Choubey	6	16	5	38.57142857
11165129	Amit Kumar	7.2	20	5	46
11165130	Monasib Hoque	7	18	7	45.71428571
11165131	Divya Kumari	6.2	15	6	38.85714286
11165151	Vibhor Kumar	6.8	13	5	35.42857143
11165150	Pritesh Prasad	7.1	17	4	40.14285714
11165144	Amardeep Singh	8.8	38	8	78.28571429
11165140	Vishal	8.6	41	9	83.71428571
11165128	Harsh Gupta	9.1	43	9	87.28571429
11165148	Prince Saini	9.3	45	8	89

Average Performance Less than 50% Slow Learner

Dean, Academic Affairs
M.M. (Deemed to be University)
Mullana (Ambala)-133207