



Dayanand Science College, Latur.

Department of Microbiology and Biotechnology


Events organized during the Academic year 2021 -22

(Conference/Workshop/Symposium/Seminar/Guest Lecture/Special Day Celebration/open day/Exhibition/welcome function/ farewell function/Sport activates /NSS activities/ NCC activities/ Portfolio activities etc.)

1. Name of the Department : Microbiology and Biotechnology
2. Complete name/ title of the Activity: **Hands on Workshop at PAHSUS**
3. Dates or Duration (from-----to) : **31.12.2021**
4. Venue of the Event: PAHSUS
5. Sponsor/Collaborations (if any) : Dayanand Science College, Latur
6. Level of the event (encircle) : **College**
International / National / State / University / District / **College** / Department etc.
7. Purpose / aim / objective and outcome of the event:
 - Handling of Bioinstrumentation like FTIR, NMR, HPLC, AAS, etc.
8. Beneficiaries / participants (Type/number, etc.):
 - Students: 23
9. Other major staff / student / Institution involved in the organization of the activity:
 - Resource Person: Dr. Makrand Kulkarni, Expert, Scientific Instrument Centre, PAHSUS.
10. Any other information / comment / qualitative remarks:
11. Photographs (with captions) submitted (number):
 - 18
12. Evidence produced (Certificate, letters, newspaper cuttings etc.)
 - Letters
13. Name and Signature of Coordinator: **Ms. S. V. Madane**


Coordinator


IQAC-Coordinator
IQAC - Coordinator
Dayanand Science College,
Latur, M.S. (INDIA)


Principal
PRINCIPAL
Dayanand Science College
LATUR



Dayanand Science College, Latur.

Department of Microbiology and Biotechnology

Events organized during the Academic year 2021 -22

Dayanand Science College, Latur

Hands on Workshop

Organized by the Department Microbiology and Biotechnology

One Day Hands on Workshop on “An Introduction to Bioinstrumentation”

The online event supported by Department of Biotechnology (DBT) as part Specific technical activity relating to various disciplines of Basic and Life Sciences for research activities by considering Covid-19 current pandemic situation.

Aims & Objectives

The main aim of the *Hands on Workshop* was to increase the focus on understanding the working principles of various instruments like HPLC, GC-MS, FTIR, XRD, AAS, NMR & its applications in various disciplines of Microbiology, Biotechnology, Chemistry, Zoology, Botany and Pharmacy for Research activities. Due to pandemic situation working into laboratory for project or research related an activities and their extension. In spite of this if we change our mindset then we can work from anywhere, at any time using virtual platform by focusing on ideas, reviews, group communications through flexible learning schedules. The objective of this event was to bring all the students, Research Scholars and faculties of different institute and organization of different disciplines of Microbiology, Biotechnology and other Science departments on a common platform to interact with a skilled personalities regarding Important applications of various instruments and their technical setup in various field of research and inspiring students further to think and develop Skills along with this situation of Covid-19 and how it will help in future studies and discoveries.

Main Venue- PAHSUS

Date- 31st December, 2021

Participants: Students & Faculty

Resource Person: Dr. Makrand Kulkarni, Expert, Scientific Instrument Centre, PAHSUS

The main subject of Dr. Makrand's talk on HPLC, GC-MS, FTIR, XRD and AAS techniques. These techniques are used in the field of Medicinal Science for analysis of congenital metabolic diseases, screening and tests for the detection of several pharmaceutically important compounds as well as in Environmental monitoring, Food and Fragrances analysis, and geochemical research. Analyzing raw chemicals as well as fine chemicals. Quality assurance and testing for contamination. Substance identification. He focused on NMR techniques and its use in the study the physical, chemical, and biological properties of matter. Chemists use it to determine molecular identity and structure. Medical practitioners employ magnetic resonance imaging (MRI's) a multidimensional NMR imaging technique, for diagnostic purposes. The attention should be paid to how these instruments handling and knowledge and it's use will benefit the society and the country with an emphasis on basic research with utilization of these instruments in India.

Activities of Department / College during the year -2021-22



Dayanand Science College, Latur.

Department of Microbiology and Biotechnology

Events organized during the Academic year 2021 -22

Dayanand Education Society's
Dayanand Science College
Latur, Maharashtra (India)
(UGC - CPE College)
(DST-FIST Sponsored College)
(Best College Award by SRTMU, Nanded)
(Affiliated to - Swami Ramanand Teerth Marathwada University, Nanded)

Establishment : June 1961
Independent : 1967
Re-accredited 'A' Grade

Phone No.: (02382) 221149, 222929
E-mail : daya_scin1@rediffmail.com

Fax No. : (02382) 221149
Website : www.dsclatur.org

Laxmiraman Lahoti President	Dr. Jaiprakash Dargad Principal	Ramesh Biyani Secretary
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Ref. No. Gg/2021-22/1035 Date : 17.12.2021


To,
Dr. A. S. Lawand,
Co-ordinator,
Scientific Instrumentation- centre,
Punyashlok Ahilyadevi Holkar,
Solapur University, Solapur.

Subject: - To arrange a "Hands on workshop" for M.Sc. students.

Respected Madam,

With reference to above subject M.Sc. students have Bioinstrumentation as a part of curriculum and important for research. For better understanding of various analytical instruments such as GC-MS, HPLC, NMR, FTIR, AAS and XRD, it is necessary to give the students a hands-on experience of these instruments.

So, for this purpose please allow hands-on workshop for the students of M.Sc. in two batches on convenient date. Each batch will be of 12 students. Please do the needful.


Principal
PRINCIPAL
Dayanand Science College
LATUR

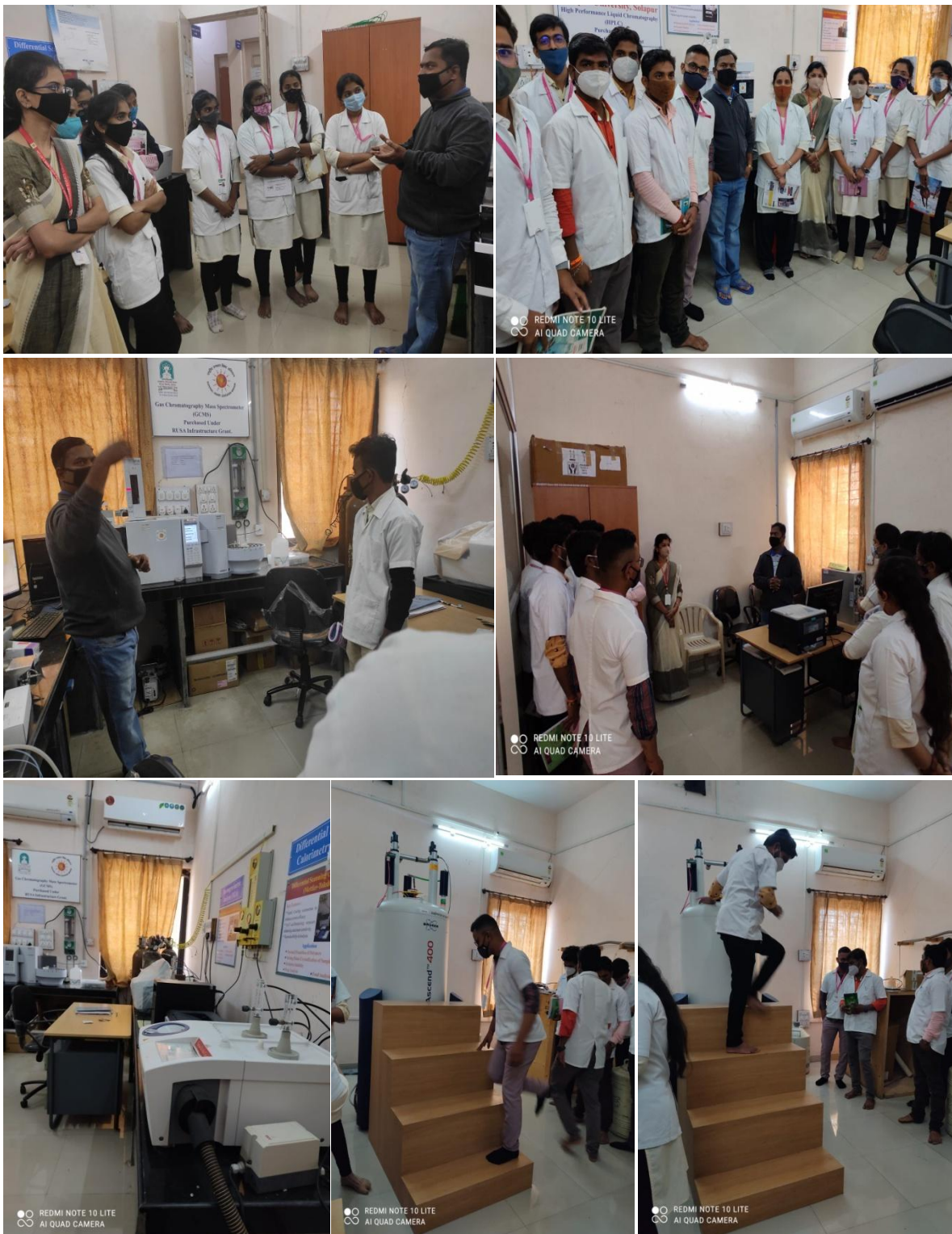




Dayanand Science College, Latur.

Department of Microbiology and Biotechnology

Events organized during the Academic year 2021 -22



Hands on Workshop on HPLC, GC-MS, FTIR, XRD, AAS, NMR



Dayanand Science College, Latur.

Department of Microbiology and Biotechnology

Events organized during the Academic year 2021 -22





Dayanand Science College, Latur.

Department of Microbiology and Biotechnology

Events organized during the Academic year 2021 -22



Activities of Department / College during the year -2021-22



Dayanand Science College, Latur.

Department of Microbiology and Biotechnology


Events organized during the Academic year 2021 -22

Punyashlok Ahilyadevi Holkar Solapur University, Solapur
Visit to Scientific Instrumentation Centre
Dayanand Science College, Latur (2020-2021)


Date: 31/12/2021

Sr.No.	Name	Mobile No.	Sign
1.	Patil Snehal Subhash	9284760577	Patil
2.	Shinde Vaishnavi Sankhaji	8552900162	Shinde
3.	Jadhav Mayuri Santosh	9657061184	Mayuri
4.	Kulkarni Pratiksha Abhanyat	7038894824	Kulkarni
5.	Ghungerde Janhavi Jayant	9579840313	Janhavi
6.	Gavkare Swarup Shivraj	7798052969	Gavkare
7.	Kulkarni Shrinivas Shaikhant	9309990276	Kulkarni
8.	Kadam Pramod Bhalakraj	8600588422	Kadam
9.	Shinde Sagar Chandrakant	7758872458	Shinde
10.	Kale Madhav Rajkumar	9604980525	Kale
11.	Bhingole Anil Mohan	7028029489	Bhingole
12.	Sirse Siddam Ramling	9112464788	Sirse
13.	Konale Swapnil Siddam	9307239040	Konale
14.	Wangarkar Nishigandhas	9716557381	Wangarkar
15.	Pawar Sneha Rajesheb	9011909352	Pawar
16.	Choudhari Swarajali Vitthal	8975977555	Choudhari
17.	Wadkar Rupali Rajabhai	8766892668	Wadkar
18.	Pawar Megha Baliram	9579093808	Pawar
19.	Lange Pratiksha Prakash	9356568342	Lange
20.	Bende Shradha Satish	7888005290	Bende
21.	Suryawanshi Vaishnavi R.	9322484636	Suryawanshi
22.	Delhmukh Diksha .D.	7850982987	Delhmukh
23.	Shaikh Nisar Rahim	8805147732	Shaikh
24.	Ms. Madam Shweta Y.	8983923942	Shweta
25.	Dr. Komal S. Gaware	9284238413	Komal
26.			
26.			
27.			
28.			
29.			
30.			



Dr. Makarand A. Kulkarni


समन्वयक
शास्त्रीय उपकरण केंद्र
Dr. S.S. Lawand


Coordinator


HOD


IQAC Coordinator


Principal

HEAD
Department of Microbiology
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LATUR- 413512

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