



R. J. COLLEGE of Arts, Science & Commerce (AUTONOMOUS)

(Hindi Vidya Prachar Samiti's RAMNIRANJAN JHUNJHUNWALA COLLEGE of Arts, Science & Commerce)

Opposite Ghatkopar Railway Station, Ghatkopar (West), Mumbai 400086, Maharashtra, INDIA.

Website: www.rjcollege.edu.in

Email: rjcollege@rjcollege.edu.in

Tel No: +91 22 25151763

Fax No: +91 22 25150957

College is recognized under Section 2(f) & 12(B) of the UGC Act, 1956

Affiliated to UNIVERSITY OF MUMBAI || NAAC Re-Accredited 'A' Grade (CGPA: 3.50)

NOTICE

Post graduate students from all the science departments are hereby informed that the department of Chemistry has organised online training program in Analytical Technologies to enhance the skills of students and create awareness of Trends in Technology among the students. The sessions would be held on webex.com. Enrolment is compulsory certificate will be awarded to only those students who attend all the sessions.


Principal

I/ PRINCIPAL
RAMNIRANJAN JHUNJHUNWALA COLLEGE
OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)
Ghatkopar (W), Mumbai-400 086, Maharashtra, INDIA



2019: Star College Status by DBT

2008: Best College by University of Mumbai 2010: IMC RBNQ Award 'Performance Excellence' for the year 2009

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NOTICE

CAPACITY DEVELOPMENT AND SKILL ENHANCEMENT ACTIVITIES ARE ORGANISED FOR IMPROVING STUDENTS CAPABILITY (AWARENESS OF TRENDS IN TECHNOLOGY) AGENCY INVOLVED THERMOFISHER

Chemistry department
organising the training
program on Analytical
Technologies under DBT
Star scheme for Teachers
and students from Monday
24/08/2020 to Friday
28/08/2020.

The schedule for the training
program is as follows:

24-08-2020
3:00 - 4:30pm
UV-Vis
Spectrophotometer &
FTIR

27-08-2020
3:00 - 4:30pm
Ion Chromatography (IC)
+ Intro to ASE

<https://thermofisher.webex.com/thermofisher/onstage/g.php?MTID=e7ed3a72eee994e40ac1f495aeb7c4e1b>

<https://thermofisher.webex.com/thermofisher/onstage/g.php?MTID=e61f76dfc00e33af8bb9c1e5791bdf377>

25-08-2020
3:00 - 4:30pm
High Performance Liquid
Chromatography (HPLC)
+ CAD

26-08-2020
3:00 - 4:30pm
Atomic Absorption
Spectrophotometer (AAS)
+ Intro to ICP

<https://thermofisher.webex.com/thermofisher/onstage/g.php?MTID=e1e17e3410ff16f33ed20bbe753b6d0d7>

26-08-2020
3:00 - 4:30pm
Gas Chromatography
(GC) + Intro to GCMS

<https://thermofisher.webex.com/thermofisher/onstage/g.php?MTID=e4bbb9d68e0d7ac948a23aa48f1640f87>

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REPORT OF THE CAPACITY DEVELOPMENT SKILL ENHANCEMENT ACTIVITY

ANALYTICAL TECHNOLOGIES

FROM 24TH AUGUST, 2020 TO 28TH AUGUST, 2020

The Chemistry department of R.J. College organised a training program on Analytical Technologies under the DBT star scheme from 24/08/2020 to 28/08/2020. This program was attended by many students and teachers of R.J. College. Different analytical techniques were discussed elaborately during these five days of training program. At the end of each session there were good responses from the students. On the first day of training, we were taught about the uv-vis and FTIR technique. We understood it as an excellent quantitative technique, after knowing about its basic principle and applications. we got an insight on how to read the results of FTIR. The second day of the training was on HPLC, i.e., High performance liquid chromatography. The chromatographic technique, which is a separation technique along with the use of mass detector CAD was explained to us very elaborately. we understood that this analytical technique played a major role in the field of pharmaceuticals. The third day of the training was about GC + GCMS, which talks about Gas chromatography and its coupled technique mass spectrometry. a superior technique used to separate and identify each component present in a given sample. Next day of the training was about Ion chromatography. By studying this technique, we could understand that it can be used for the separation of biomolecules like proteins because they contain charged functional groups. We understood certain important terms like anion exchange, iso electric point etc. Last day of the training was on AAS + ICP i.e., Atomic absorption spectroscopy and Inductively coupled Plasma technique, which makes use of Plasma, a high temperature source of ionised gas. Various advantages of this technique over AAS was highlighted. To mention a few are its extremely low detection limits and possibility to detect isotope composition of elements.




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Capacity development and skill enhancement activities are organised for improving students capability (awareness of trends and technology)

Event - Thermo Fisher Scientific Training Program on Analytical Technologies for Jhunjhunwala College

Date: 24TH AUGUST, 2020 TO 28TH AUGUST, 2020

Streamed on WebEx

Date	Time	Topic (WebEx Link- For attendees)
24-08-2020	3:00 - 4:30pm	UV-Vis Spectrophotometer & FTIR
		https://thermofisher.webex.com/thermofisher/onstage/g.php?MTID=e7ed3a72eee994e40ac1f495aeb7c4c1b
25-08-2020	3:00 - 4:30pm	High Performance Liquid Chromatography (HPLC) + CAD
		https://thermofisher.webex.com/thermofisher/onstage/g.php?MTID=e1e17e3410ff16f33ed20bbe753b6d0d7
26-08-2020	3:00 - 4:30pm	Gas Chromatography (GC) + Intro to GCMS
		https://thermofisher.webex.com/thermofisher/onstage/g.php?MTID=e4bbb9d68e0d7ac948a23aa48f1640f87
27-08-2020	3:00 - 4:30pm	Ion Chromatography (IC) + Intro to ASE
		https://thermofisher.webex.com/thermofisher/onstage/g.php?MTID=e61f76dfc00e33af8bb9c1e5791bdf377
28-08-2020	3:00 - 4:30pm	Atomic Absorption Spectrophotometer (AAS) + Intro to ICP
		https://thermofisher.webex.com/thermofisher/onstage/g.php?MTID=ea729fe227c8b00bca6aeeb7d5ddadef5

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Capacity development and skill enhancement activity organised for improving students capability (awareness of trends and technology)

Event - Thermo Fisher Training Program on Analytical Techniques organised for students.

SR. NO	CLASS	ROLL NO	NAME OF THE STUDENT	SUBJECT
1	M.SC I	1	ANINDITA ROY KALYANI MONDAL	ESDM
2	M.SC I	2	CHAUDHARY SONAL RAVISHANKAR SUSHMA	ESDM
3	M.SC I	3	CHAUHAN NEHA SATISH SUMAN	ESDM
4	M.SC I	4	HATTI SWATI DHUNDAPPA MANGAL	ESDM
5	M.SC I	5	KEZIAH BURROWS SOLOMON PAPPA PAPPA	ESDM
6	M.SC I	6	PATIL GAURAV GANESH PATIL KAVITA PATIL	ESDM
7	M.SC I	7	PATIL GAYATRI DATTA PATIL DISHA PATIL	ESDM
8	M.SC I	8	PATKAR MANGESH SHRIKANT SHRUTI	ESDM
9	M.SC I	9	PAWAR ANIKET ANKUSH DURGA	ESDM
10	M.SC I	10	WANKHADE SAVEE PRADNYAKAR PRADNYA	ESDM
11	M.SC I	11	YAVAR MAHDI MUNEER HAIDER NEELAM HAIDER	ESDM
12	M.SC I	12	MALIK ELMA AYUB YASMEEN YASMEEN	ESDM
13	M.SC II	31	AROTE PRATIYOGITA BALSHIRAM ASHWINI	ANALYTICAL CHEMISTRY
14	M.SC II	32	BRID SHRUTI SADANAND SWATI	ANALYTICAL CHEMISTRY
15	M.SC II	33	CHOTHANI JINITA GOVIND ASHA	ANALYTICAL CHEMISTRY
16	M.SC II	34	FERNANDES SYLVENA LOUIS HELEN	ANALYTICAL CHEMISTRY
17	M.SC II	35	KANASKAR ANKITA NARENDRA RANI	ANALYTICAL CHEMISTRY
18	M.SC II	36	KHAN TARANNUM BANO MOINUDDIN AYESHA	ANALYTICAL CHEMISTRY
19	M.SC II	37	MIRZA HAMIZA ABDULLAH BAIG SHABANA	ANALYTICAL CHEMISTRY
20	M.SC II	38	PRAJAPATI PRIYANKA NIGAM REKHA DEVI	ANALYTICAL CHEMISTRY
21	M.SC II	39	SAYED ZAINAB AQDUS MOHD QAISAR NILOFAR	ANALYTICAL CHEMISTRY
22	M.SC II	40	SENDULAY ISMAT FAROOQUE DILSHAD	ANALYTICAL CHEMISTRY
23	M.SC II	41	SHAIKH MISBAH NAZ GULAM RASOOL ZAKIYA BI	ANALYTICAL CHEMISTRY
24	M.SC II	42	SHINDE PRANJAL TUKARAM SUNANDA	ANALYTICAL CHEMISTRY
25	M.SC II	43	SINGH AMRITA KALPNATH NAGINA	ANALYTICAL CHEMISTRY
26	M.SC II	44	SINGH ASHWINI KUMARI RAMBHAN DEEPKALI	ANALYTICAL CHEMISTRY
27	M.SC II	45	SINGH SACHINKUMAR UDAYBHAN NEERA	ANALYTICAL CHEMISTRY
28	M.SC II	46	YADAV NEELAM RAMAVADH MALAVATI	ANALYTICAL CHEMISTRY
29	M.SC II	47	YADAV SIMRAN JIMIDAR SAROJ	ANALYTICAL CHEMISTRY
30	M.SC II	1	RAHULKUMAR SUBASH VIDYAVATI	CHEMISTRY
31	M.SC II	3	MOMIN AALIYA SAMREEN ABDUL GHAFAR SAFIYA	CHEMISTRY
32	M.SC II	4	SHARMA KAJAL OMPRAKASH SHOBHAVATI	CHEMISTRY
33	M.SC II	5	YADAV DULARI MAHENDRANATH GULABDEVI	CHEMISTRY
34	M.SC II	11	GARDE VRUSHALI BALU SANGITA	CHEMISTRY
35	M.SC II	12	GUPTA NIRAJ RAMLAVAT PREMSHILA	CHEMISTRY
36	M.SC II	13	SHAIKH ZEB FARHEEN MOHD RIZWAN FARIDA BANU	CHEMISTRY
37	M.SC II	14	MHATRE SHRUTI RAJESH SHILPA	CHEMISTRY
38	M.SC II	21	SABRIN FATIMA ISRAR AHMED SAMIUNNISA	CHEMISTRY
39	M.SC II	22	DANGAT ASHWINI LUMA NANDA	CHEMISTRY

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Department of Chemistry under DBT star activity

organized training program on

AWARENESS OF TRENDS IN TECHNOLOGY

This is to certify Ms. Dulari M. Yadav of Class M.Sc part-I, Division-A, Roll no - 05 participated in the program AWARENESS OF TRENDS IN TECHNOLOGY for the academic year 2020-21 held on 24th - 28th August 2020.

Dr. R.S. Dubey
Head, *Department of Chemistry*

Dr. Himanshu Dawda
Principal

