

(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 II NAAC Re-Accredited 'A' Grade (CGPA: 3.50)

28th March 2019

NOTICE

DEGREE COLLEGE

A Value-added course in Separation Techniques for Phytochemicals (Course code: RJBOTC07) is being conducted by the department of Botany from 4th April 2019. This course will enable students to learn the process to handle instrument such as centrifuge, colorimeter and spectrophotometer. The duration of the course is 30 hours. Students will be awarded with additional two credits and a certificate on successful completion of the course. The evaluation of the course will be continuous through theory and practical.

AUTONOMOUS

NAAC

Re-accredited

A' Grade

A' Grade

A' Grade

A' Grade

A' Grade

A' Grade

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



AUTONOMOUS NAAC Re-accredited

'A' Grade

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

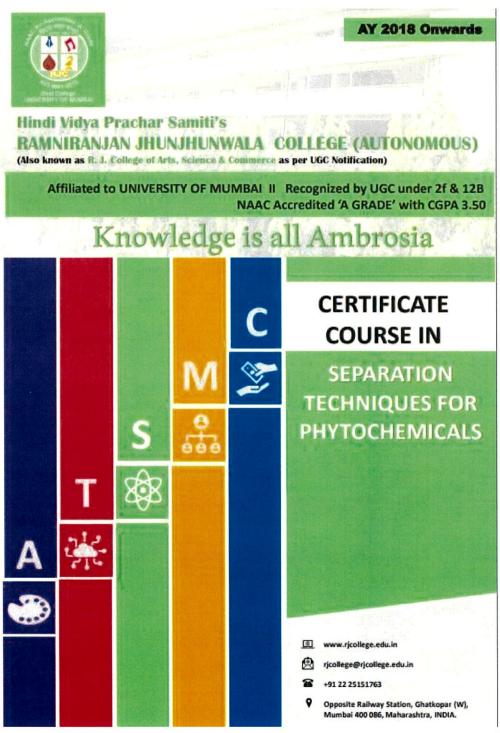
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BROCHURE



RAMNIRANJAN JHUNJHLINWALA COLLEG OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS Ghatkopar (W), Mumbai-400 086, Maharashtra, INDL

2019: Star College Status by DBT



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CERTIFICATE COURSE IN

SEPARATION TECHNIQUES FOR PHYTOCHEMICALS



Hindi Vidya Prachar Samiti was incepted on the auspicious day of Shri Krishna Janmashtami, 15th August 1938. A brain child of a visionary Late Shri Nandkishore Singh Jairamji, samiti was established with the objectives of catering to the educational needs of the Hindi speaking community. Ramniranjan Jhunjhunwala College came into existence in 1963, enabling a larger section of the society to take advantage of the facilities provided for higher education.

From 1999-2000 the College has added a number of self-financing courses like B.M.S., B.B.I., B.Sc. in Computer Science, Information Technology, Biotechnology, M.Sc. in Computer Science, Biotechnology and Information Technology as well as add on courses, which further hone the special skills of the students.

The college has been reaccredited with 'A' Grade by NAAC in 2014 with a CGPA 3.50 and received the Best College Award (2007-2008) of the University of Mumbai. The College has been bestowed with IMC "Ramkrishna Bajaj Performance Excellence Trophy", 2010.

The Principal of the college was awarded "Best Teacher" by Government of Maharashtra in 2011.

Government of Maharashtra conferred the college with JAANIVANCHA" (First in Mumbai Suburban- in 2013 and Second in Mumbai Suburban- in 2014) for safety of girls.



AUTONOMOUS NAAC Re-accredited

A' Grade

- colorimeter, Spectrophotometer
- Apply the knowledge in the area of **Natural products**
- Purify value added products from plants and plant parts.



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MEDIUM OF INSTRUCTION English

100 MARKS PASSING 40

WHO SHOULD DO IT?

Pursuing B.Sc or Completed B.Sc in Chemistry or any branch of Biological Science

RAMNIRANJAN HUNGHUNVALA COLLEI RAMNIRANJAN HUNGHUNVALA COLLEI OF ARTS, SCIENCE & COMMERCE (AUTONOMOI Ghalkopar (W), Mumbai-400 086, Maharashtra, IN

AUTONOMOUS Commerce Re-accredited A' Grade

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REPORT

Plants are endowed with the unique capacity to synthesise an array of fine chemicals known as secondary metabolites. However these phytochemicals are produced in very small quantities. It is important to standardise the protocols for efficient extraction and separation of these chemicals. During the course students learnt about polar and non-polar solvents, how they can be used for maximising extraction further chromatographic techniques using hands on experiments were conducted. Some of the techniques which the students learnt were paper chromatography, ion exchange, column chromatography, thin layer chromatography etc. Students were evaluated continuously and were assessed on their techniques.

NAAC
Re-accredited
A Grade

A Grade

A Grade

A Grade

A Grade

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PHOTOS OF THE VALUE-ADDED CERTIFICATE COURSE IN SEPARATION TECHNIQUES IN **PHYTOCHEMICALS**



Ms. Deepali Kale (Technician) staining the gel after electrophoresis



Students enrolled for the value added course

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2019: Star College Status by DBT

accredited 2008: Best College by University of Mumbai 2010: IMC RBNQ Award 'Performance Excellence' for the year 2009 2011: 'Best Teacher Award' by Government of Maharashtra 2013: DST-FIST 2014: DBT STAR College



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Students performing the practicals

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LIST OF STUDENTS WHO COMPLETED THE VALUE ADDED COURSE IN SEPERATION TECHNIQUES

SR NO	NAME	ROLL NO	CLASS
1	KANGRALKAR SOMNATH VAIJANATH	513	TYBSc Botany
	NARMADA		
2	YADAV PANKAJ KRIPA SHANKAR	543	TYBSc Botany
	DURGAVATI		
3	KHAN RUQAIYA KHATOON MOHD VAIS	310	SYBSc
4	MAURYA ABHISHEK KUMAR	625	SYBSc
	PREMCHANDRA		
5	CHAUDHARI NAMRATA ANKUSH	512	SYBSc
6	KHAN SADAF MUSKAN MOHAMMED AHMED	515	TYBSc Botany
7	SHAIKH AMREEN AYAZUDDIN	528	TYBSc Botany
8	KHAN UZMA BEGUM BARKATULLAH	313	SYBSc
9	KHAN SHIREEN SAEED	516	TYBSc Botany
10	KHAN SURAIYYA KHATOON HAFIZURREHMAN	530	SYBSc Botany

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CERTIFICATES



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CERTIFICATE

This is to certify that

Ms. Khan Ruqaiya Khatoon

Of SYBSc and Roll No 310

has successfully completed the Value-Added Course in Separation Techniques For Phytochemicals organized by Department of Botany in the academic year 2018-2019

Course Code

Dr. Usha Mukundan Principal



Hindi Vidya Prachar Samiti's

RAMNIRANJAN JHUNJHUNWALA COLLEGE of Arts, Science & Commerce (AUTONOMOUS)

CERTIFICATE

This is to certify that

Mr. Maurya Abhishek Kumar Premchandra

Of SYBSc and Roll No 625

has successfully completed the Value-Added Course in Separation Techniques For Phytochemicals organized by Department of Botany in the academic year 2018-2019

Course Code

vala College of

ONOMOU

NAAC -accredited A' Grade

Dr. Usha Mukundan Principal

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Cooks: Best College by University of Mumbai

2010: IMC RBNQ Award 'Performance Excellence' for the year 2009

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2011: 'Best Teacher Award' by Government of Maharashtra 2013: DST-FIST 2014: DBT STAR College 2013 & 2014: 'Jagar Jaanivancha Award' by Govt, of Maharashtra 2016: ISO 14001:2015 2016: ISO 9001:2015 2017: ISO 27001:2013

2018: Autonomous Status by University Grants Commission (No. F. 22-1/2018(AC) - 28.05.2018) & by University of Mumbai (No.Aff./ICD/18-19/440 - 08.06.2018)