



R. J. COLLEGE of Arts, Science & Commerce (Empowered 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

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: 3.10)

1st April 2024

NOTICE

The Department of Botany is conducting a Value Added Course on Pharmacognostic study of Plants from 4th April to 20th April 2024. The course will be of minimum 30 hours duration which is more practical based. Attendance and performance of practicals, assignments is compulsory for course completion certificate. The details of the contents can be obtained from the brochure available on the college website.




HoD Botany

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

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

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FLYER



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(Empowered Autonomous College)
Affiliated to UNIVERSITY OF MUMBAI

(Also known as Hindi Vidya Prachar Samiti's RAMNIRANJAN JHUNJHUNWALA COLLEGE OF ARTS, SCIENCE & COMMERCE)
Affiliated to UNIVERSITY OF MUMBAI II Recognized by UGC under 2f & 12B
NAAC Accredited 'A GRADE' with CGPA 3.50

Knowledge is all Ambrosia

A

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PALETTE

ATOM

HANDS

FLOWER

BOOK

**VALUE ADDED
COURSE IN**

*Pharmacognostic
study of plants.*

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CERTIFICATE COURSE IN Pharmacognostic study of plants

ABOUT US

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 Jaiaramji, 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 "JAAGAR JAANIVANCHA" (First in Mumbai Suburban- in 2013 and Second in Mumbai Suburban- in 2014) for safety of girls.

Course Code: **RJBOTVAC19**

Duration: **30** hours

Credits : **02**

LEARNING OUTCOME

After completion of the course student will be able to

- Understand the preliminary screening of plant parts for secondary metabolites.
- Enlist the various parameters of proximate analysis.
- Distinguish among the different seasonal and regional variations among plant parts.
- To lay down parameters for standardization and authentication of medicinal plants with the help of which adulteration and substitution can be prevented.



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COURSE CONTENT

Unit I

Proximate Analysis

Proximate and mineral composition of plants provides valuable information its medicinal and nutritional quality. Many aspects of such as moisture content, ash content, volatile matter content, ash and fixed carbon can be determined.

Unit II

Microscopic studies

The microscopic study is the anatomical study which is done by taking appropriate section or by whole mounting of the plant parts under study. Each distinguishing character can be noted down, some of which are retained in the powder study also.

Unit III

Phytochemical screening

The crude powder and/or crude drugs extracted in different solvents are tested for various phytoconstituents present in them by standard procedures.

ASSESSMENT

Continuous evaluation



MEDIUM OF INSTRUCTION English

100 MARKS



PASSING 40

WHO SHOULD DO IT?

SYBSc/ TYBSc Botany students



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REPORT

The Department of Botany conducted a Value Added Course on Pharmacognostic study of Plants from 4th April to 20th April 2024. Students learnt how to carry out the preliminary screening of plant parts for secondary metabolites, how to enlist the various parameters of proximate analysis and to distinguish the different seasonal and regional variations among plant parts. Students also understood the various parameters laid down for standardization and authentication of medicinal plants with the help of which adulteration and substitution can be prevented. 18 Students of SYBSc and TYBSc Botany completed the course successfully.



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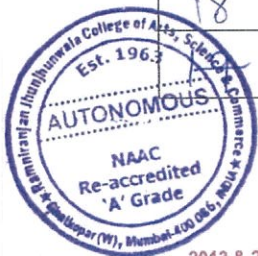
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NAME OF THE SESSION: VAC in "Pharmacognostic Studies in Plants" - Dept. of Botany

Day: _____ Date: 04/04/24 - 15/04/24 Time: 8.00 - 12.00 PM

Attendance

Sr. No	Name	Class	Roll No	Signature
1.	Pallavi Bhosale	SYBSC	417	<i>Pallavi</i>
2.	SANSKRUTI SAWANT	SYBSC	452	<i>Sidhi</i>
3.	Aishwarya Jadhav	SYBSC	447	<i>Aishwarya</i>
4.	Vishwambhoni Ambre	SYBSC	425	<i>Vishwambhoni</i>
5.	Samiksha Patil	SYBSC	408	<i>Samiksha</i>
6.	Aditya Salekar	TYBSC	526	<i>Aditya</i>
7.	Priya Mishra	SyBSC	464	<i>Priya</i>
8.	Pratiksha Shukla	SyBSC	437	<i>Pratiksha</i>
9.	Shivgovind Yadav	SyBSC	456	<i>Shivgovind</i>
10.	Anshika Gupta	SyBSC	632	<i>Anshika</i>
11.	Rahul Yadav	SyBSC	433	<i>Rahul</i>
12.	Sneha Gupta	SYBSC	422	<i>Sneha</i>
13.	Garata Qamar	SYBSC	403	<i>Garata</i>
14.	Swati R. Shukla	TYBSC	524	<i>Swati</i>
15.	Almas Sayyed	SYBSC	449	<i>Almas</i>
16.	Tanhari Dalvi	SYBSC	406	<i>Tanhari</i>
17.	Saniya Sayyad	SYBSC	402	<i>S. Saniya</i>
18.	Pandey Prexana S.K	SyBSC	444	<i>Pandey</i>



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HVPS'S RAMNIRANJAN JHUNJHUNWALA COLLEGE (EMPOWERED AUTONOMOUS)

CERTIFICATE OF COMPLETION OF VALUE ADDED COURSE

This is to certify that



Mr./Ms.

Aditya Salekar

HAS SUCCESSFULLY COMPLETED A VALUE ADDED COURSE IN
"PHARMACOGNOSTIC STUDY OF PLANTS" (RJBOTVAC19)
OF 30 HOURS AND 2 CREDITS, CONDUCTED BY
DEPARTMENT OF BOTANY FROM 4/4/2024 TO 20/04/2024

Dr. Anil Avhad
Course Coordinator

Dr. Himanshu Dawda
Principal



**Certified as
TRUE COPY**

Principal

Ramniranjan Jhunjhunwala College,
Ghatkopar (W), Mumbai - 400086.