



New Education Policy

Salient Features :

- New Curricular and Pedagogical Structure
- Transdisciplinary academic approach with holistic persona development thereby bridging the industry-academia gap.
- Harness skill sets and develop ability for critical thinking and analytical reasoning

Program Modules

- Protein Biochemistry & Enzymology
- Membrane Biochemistry
- Clinical Biochemistry & Diagnostics
- Research Methodology & Biostatistics
- Inherited Metabolic Diseases
- Immunology
- Pharmacology & Drug Discovery
- Toxicology
- Oncology
- Diet in Health & Disease
- Research Methodology & Biostatistics
- Sustainability

Contact us

SVKM's Mithibai College of Arts, Chauhan Institute of Science & Amrutben Jivanlal College of Commerce and Economics (Autonomous)
Bhaktivedanta Swami Marg, Vile Parle (W),
Mumbai, Maharashtra 400056
02242339000

Courses Offered

- M.Sc. Biochemistry

Training & Placement

- Novartis
- Cipla Pharmaceuticals
- Bupa UK
- LivRite Foods
- Refinitive
- Future Science Eduventures LLP
- Chinsri Pharmaceuticals
- Johnson and Johnson

Career options

- Research
- Academics
- Pharma QA/QC
- Nutrition & Dietetics
- Diagnostics
- Science Communication
- Environmental Science



Shri Vile Parle Kelavani Mandal's



**Mithibai College of Arts, Chauhan
Institute of Science & Amrutben
Jivanlal College of Commerce and
Economics**

(Autonomous - Affiliated to University of Mumbai)

NAAC Reaccredited 'A' Grade, CGPA: 3.57 (February 2016 to December 2023)
BEST COLLEGE (2016-17), University of Mumbai

Department of Biochemistry



Department of Biochemistry

At Mithibai College, the department of Biochemistry started the 6 Units B.Sc. Programme in 1999 and thereafter the Masters Programme in the year 2007.

To cater to the millennial generation multi-modal pedagogical tools are incorporated in the teaching learning process along with faculty-student and student-student mentoring.

We, at the Department of Biochemistry envisage a 360-degree growth for our learners and focus on development of the holistic persona of an individual. The students are involved in the organization of the intercollegiate academic science festival, 'Luminescence' wherein hundreds of students from various colleges across the Nation and abroad. Luminescence expanded its canvas to become an International Academic Science Intercollegiate.

To nurture students to be globally and socially responsible citizens, various novel awareness campaigns and outreach activities are routinely organized. The students participate in experiential learning through industrial visits and interaction with eminent people in their chosen field.



Highlights

- A research-focused programme that uses an interactive approach to learning through seminars, workshops, presentations, DIY and other pedagogical tools.
- Provides research experience and professional skills in contemporary biochemistry, opening up future careers in industry or academic research.
- Develops core competencies on critical thinking skills, hypothesizing, and solving problems.
- Modules covering science communication and experimental design and statistics
- Aims to develop global employees, employers and entrepreneurs
- Evolve socially responsible citizens

Notable Institutes at which M.Sc. SEM III students completed Six-Month Internship



Hinduja Hospital and Medical Research Center



Kokilaben Dhirubhai Ambani Hospital and Medical Research Center



National Center for Nanosciences & Nanotechnology, University of Mumbai



Advanced Center for Treatment, Research and Education in Cancer (ACTREC)

USP of the Department

- Internships at Reputed Research Institutes/Hospitals
- Over the years the Department of Biochemistry has identified its thrust research areas as development of nutraceuticals, phytochemical analysis, antioxidant properties, microencapsulation, nanoencapsulation, herb-drug interactions, biochemical changes due to stress, pollution and life-style and product development.

Notable Alumni

- Ms. Kayan Motashaw – MD LivRite Foods
- Ekalavya Rishi-Founder- Botany Bar and Head Exports at Chinsri Pharmaceuticals
- Janak Vijekar- Manager-Commercial quality India, Johnson and Hohnson- Consumer Health
- Mr. Hardik Shah – Director Future Science Eduventures LLP
- Ms. Richa Shah Bose- Strategic Consultant, Cipla Pharmaceuticals
- Ms. Amzu Parpia – Advanced special regional Dietitian at NHS Tayside, Scotland, UK
- Ms. Heena Bhimani- Health and fitness coach, Business owner at Heena Bhimani wellness.
- Ms. Prachi Raut-Senior Medical Information Manager II in Novartis
- Mr. Qais Lakhani- Research Consultant- Enhanced Due Diligence in Refinitive (London Stock Exchange Group Company)
- Ronak shah, Operation support Manager- Bupa UK
- Priyan Dholakia, MD- Signarama Canterbury
- Rajni Nagrani, Head -Unit Molecular Epidemology, Leibniz Institut fur Praventio nsforschung und Epiidemiologie, BIPS, Germany
- Jinal Shah, IP Professional, Agro Strategic Marketing, Indian Patent Agent
- Ms. Disha Jaiswal- PR Manager in Toastmasters International



Hinduja Hospital and Medical Research Center



Kokilaben Dhirubhai Ambani Hospital and Medical Research Center



National Center for Nanosciences & Nanotechnology, University of Mumbai



Advanced Center for Treatment, Research and Education in Cancer (ACTREC)

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Original article: Open access

α -Amylase inhibitory activity of microencapsulated *Nigella sativa* L. and herb drug interaction: An *in vitro* analysis

Lijo N Varghese and Nupur Mehrotra*

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Original article

***Ex vivo* study of *Cinnamomum zeylanicum* Blume on antioxidative system and structural modifications of erythrocytes under hyperglycemic conditions**

Vaibhavi Patel, Nupur Mehrotra* and Sara Anees Khan

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