



LIVE LEARN LEAD

MASTER'S PROGRAM IN
BIOTECHNOLOGY

Rajiv Gandhi Centre For Biotechnology (RGCB)

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BIOTECHNOLOGY, REDEFINING HEALTHCARE MANAGEMENT.

The current pandemic has proven beyond doubt that research and development in healthcare management is vital for our society. The world has woken up to the real value of scientific breakthroughs and accurate diagnosis.

By providing innovative Biotech curricula and infrastructure for fresh minds to find future cures for infectious diseases and epidemics, institutions like RGCB are going to be the need of the hour.



LEARN

BIOTECHNOLOGY THE WAY IT IS MEANT TO BE LEARNED.

Say goodbye to boring lectures. Get ready to learn from scientists and real life scenarios. At RGC B Thiruvananthapuram, we prepare you for the real world. The RGC B MSc program is affiliated to the Regional Centre for Biotechnology, an 'Institution of National Importance' created by the Department of Biotechnology, Government of India under the auspices of UNESCO.

“ ATTENDING THE
INTERNATIONAL CANCER
RESEARCH MEETING
(IACR 2020) WAS A DREAM
COME TRUE FOR ME,
THANKS TO RGCB.
I WAS INTRODUCED TO THE
FASCINATING WORLD OF
REAL RESEARCH DATA.
I HOPE TO BE A SPEAKER
AT SUCH SESSIONS. ”


**MANTHAN SHEKHAR
BIJWE**

SECOND SEM STUDENT,
RGCB MSc. BIOTECHNOLOGY



As one of India's leading names in biotech, RGCB brings you top industry professionals and ample global exposure. Our research programs are focused on Chronic Disease Biology and Pathogen Biology. This means you will be part of the state-of-the-art discovery and research programs in Cancer Research, Cardiovascular Disease & Diabetes Biology, Infection Biology, Neurobiology, Chemical & Environmental Biology, Reproductive Biology, Plant Disease Biology and Genetic Engineering.

From its beginning as an autonomous national institute in 2007, RGCB has now developed into an institution of world-class standards. Located in Thiruvananthapuram, the capital city of Kerala, RGCB is spread across three campuses. The main campus at Jagathy, Thiruvananthapuram, is where the bulk of our discovery research programs are implemented. The second at the KINFRA Park, Thiruvananthapuram, functions as the transit facility for the Bio-Innovation Center housing Bio-Imaging, Genomics and Laboratory Medicine & Molecular Diagnostic core facilities in addition to laboratories for Chemical Biology, Pathogen Biology, Cancer Research and Computational Biology. The third campus in Kalamaserry, Kochi is called Bio-Nest and provide state-of-the-art biotechnology instrumentation platforms to develop startup companies and commercialise innovative indigenous technologies.



**REAL
RESEARCH
ENVIRONMENT**

**ONE-ON-ONE
SESSIONS**

**LEARN FROM
SCIENTISTS**

**TOP-TIER
LABORATORY
FACILITIES**

**HANDS-ON
LEARNING**

**ENTREPRENEURIAL
OPPORTUNITIES**

RGCB



LIVE AND LEARN BIOTECHNOLOGY LIKE NEVER BEFORE

The Master's Program in Biotechnology at RGCB is focused on creating highly skilled students in the field. The program covers the fundamental fields of theories in Biotechnology, while focusing on laboratory exercises and industrial as well as research applications, so that you will be well-versed in the concepts of "Enterprise and Entrepreneurship." Here, you will be trained in a real business and technology development bio-incubator where startup companies function. We even offer stipends to our MSc students.

“ THE MORE I LEARN
ABOUT BIOTECHNOLOGY,
THE MORE I LOVE IT.
I ASPIRE TO BE A PART OF
A RESEARCH GROUP
THAT DISCOVERS
REVOLUTIONARY CURES
AND TREATMENTS THAT
WOULD HELP PEOPLE
ALL OVER THE WORLD.
ONCE I JOINED RGCB,
I KNEW THAT I WAS IN
THE RIGHT PLACE. ”

FATHIMA HISANA K F

SECOND SEM STUDENT,
RGCB MSc. BIOTECHNOLOGY



WHAT
CAN YOU
SPECIALISE
IN?

DISEASE BIOLOGY

Understand the molecular basis of biological systems
and focus on applying this knowledge to improve
human health.

“ HAILING FROM ASSAM, I WAS A LITTLE WORRIED ABOUT HOW I WOULD COPE IN A CITY LIKE THIRUVANANTHAPURAM. BUT I WAS IN FOR A REAL SURPRISE. THE PEOPLE HERE ARE SO FRIENDLY AND HELPFUL. I AM IN LOVE WITH THE PLACE SO MUCH, THAT I AM NOW LEARNING MALAYALAM. ”

SREEPARNA NATH

SECOND SEM STUDENT,
RGCBI MSC. BIOTECHNOLOGY



GENETIC ENGINEERING

Master the fundamentals of molecular biology and learn about its applications in crop improvement, manufacture of biologicals and animal breeding.

MOLECULAR DIAGNOSTICS AND DNA PROFILING

Master laboratory medicine, applied genomics and DNA technology for accurate diagnostic support and molecular forensics real fast.

“ FOR ME, THIS IS
A REAL LEARNING
EXPERIENCE.
THERE ARE NO
TEACHER-STUDENT
BARRIERS. INSTEAD,
WE ARE ALL LEARNING
AND GROWING
TOGETHER.
WE REALLY FEEL
SO MUCH AT
HOME HERE. ”

DEEPAK SAINI

SECOND SEM STUDENT,
RGC B MSc. BIOTECHNOLOGY



WHO CAN SIGN UP?

If you have cleared the Graduate Aptitude Test-Biotechnology and have 60% aggregate marks (or an equivalent grade point average) in a UGC approved bachelor's degree in any branch of Science, Engineering or Medicine, BDS, Ayurveda, other traditional systems of medicine, BVSc, BPharm, BTech and BSc Agriculture.

Candidates who belong to SC, ST, OBC (non-creamy layer) and PWD categories will be given 5% relaxation of aggregate marks.

If you are in the final year of your qualifying degree program, you can also apply provided you produce a proof of having secured the required marks in your undergraduate degree program at the time of admission.

A MODEL STATE FOR HEALTHCARE MANAGEMENT

India's oldest couple to beat Covid-19 are home for Easter

Docs Kept Thomas (93) & Mariamma (88) Within Visible Range In ICU

Thiruvananthapuram: Thomas, 93, and Mariamma, 88, who were in intensive care for over a month, have been discharged from the ICU and are now at home. The couple, who were in the ICU for over a month, have been discharged from the ICU and are now at home. The couple, who were in the ICU for over a month, have been discharged from the ICU and are now at home.



KARALAT PICTURE

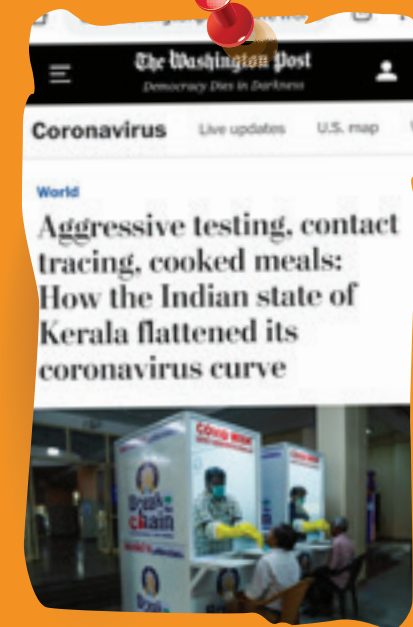
Kerala has proven itself to be an outlier in the battle against COVID-19. With lessons learned from the Nipah outbreak, heightened vigilance, controlled cross-border inflows and isolation, this state has managed to flatten the curve effectively and has caught the attention of the world.



Kerala gets ICMR nod to explore plasma therapy

Blood From Cured Covid Patients To Treat The Sick

Thiruvananthapuram: The ICMR has given its nod to the experimental plasma therapy for COVID-19 patients. The therapy involves using the blood of recovered patients to treat the sick. The ICMR has given its nod to the experimental plasma therapy for COVID-19 patients.



FLATTENING THE CURVE, THE RGCB WAY.

Rajiv Gandhi Centre for Biotechnology to develop cheaper Covid-19 test kits

Shaima Muhan

Our team has already started working on a cheaper version. Because of the lockdown, our researchers are unable to come to the institute. We will be able to develop the kit within two to three weeks.

supply of these components on a large scale for mass production of the kits. Once the lockdown is lifted, we will be able to work to full swing," the official added. For research purposes, the centre has tied up with private hospitals to get some pneumonia patients with no travel history.

"We have now requested the government to allow screening of patients at government hospitals for the purpose," said the official. RGCB is working on a kit that can be used for the purpose.

With excellent state-of-the-art infrastructure and qualified personnel, Rajiv Gandhi Centre for Biotechnology (RGCB) proved to be a formidable ally for the government in its battle against COVID-19. RGCB not only set up a clear clinical and discovery research roadmap on COVID-19, but also initiated steps to develop cost-effective diagnostic test kits to support outbreak management and maximise benefits to the public.

New strip to identify snake bite

DC CORRESPONDENT THIRUVANANTHAPURAM, NOV 22

A strip that identifies the type of poisonous snake from a drop of the victim's blood in less than two minutes of testing may soon be available, which will help doctors administer the toxin-specific antivenom and spare victims of side effects of the polyvalent antivenom.

The breakthrough invention was made by scientists at Rajiv Gandhi Centre for Biotechnology (RGCB), which fabricated the device at an in-house production cost of less than ₹50 apiece.

RGCB to finish DNA test of dead fishermen

Arrangements made in labs to complete process on time

Thiruvananthapuram: The Rajiv Gandhi Centre for Biotechnology (RGCB) has completed the DNA testing of the bodies of the fishermen who died in the Kerala coast. The RGCB has completed the DNA testing of the bodies of the fishermen who died in the Kerala coast.

State's captive elephants get genetic IDs

More could help solve wildlife crime cases involving poaching and illegal trade

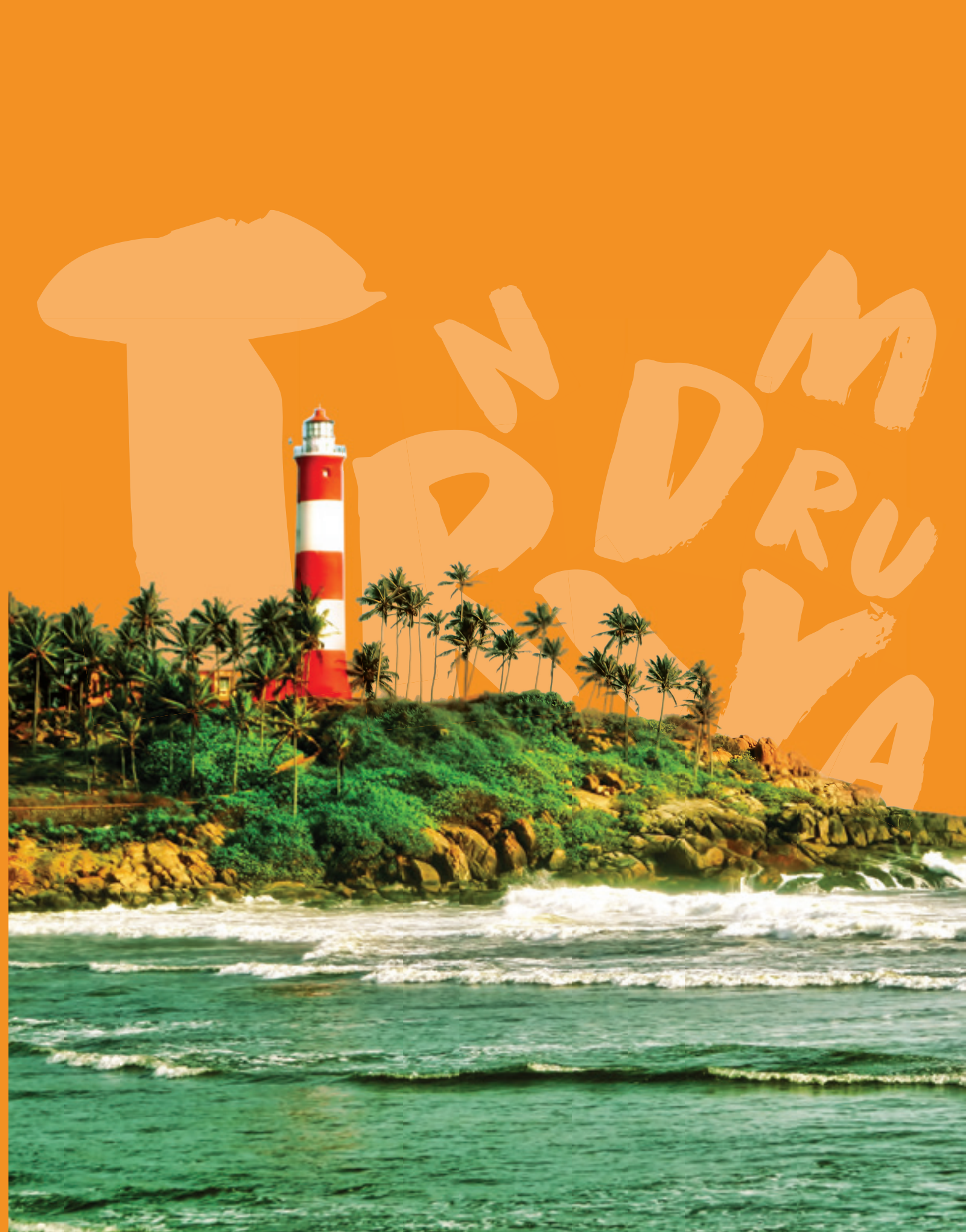
Thiruvananthapuram: The Rajiv Gandhi Centre for Biotechnology (RGCB) has completed the DNA testing of the bodies of the captive elephants in the state. The RGCB has completed the DNA testing of the bodies of the captive elephants in the state.

RG

GET READY TO FALL IN LOVE WITH THIRUVANANTHAPURAM

It's the capital city of Kerala with a strongly rooted heritage and a nostalgic colonial legacy. A swanky metropolis with quaint urban charm and plenty of scenic places to visit. Incredible museums, beautifully designed palaces, sacred temples and sugary beaches... you name it, Thiruvananthapuram has it all. Come on over and fall in love.

LAB



“ I CAME ACROSS RGCB AFTER SPENDING A LOT OF TIME ONLINE LOOKING AT DIFFERENT COURSES. WHAT STOOD OUT FOR ME WAS THEIR BELIEF IN REAL RESEARCH BASED TEACHING AND HANDS ON EXPERIENCE FOR STUDENTS. I’VE BEEN LEARNING SOMETHING NEW EVERY DAY SINCE I’VE JOINED RGCB AND I’M SO GLAD I MADE THIS CHOICE. ”

J IRENE INFANCY

**SECOND SEM STUDENT,
RGCB MSc. BIOTECHNOLOGY**



**READY TO
LIVE,
LEARN AND
LEAD
THE WAY IN
BIOTECHNOLOGY?**

Get in touch with:
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Ph: +91 471 2529653, 2529655

FEES and STIPENDS

Fee details (In Rupees)

One time admission fee 3500

Semester fees

| | Semester 1 | Semester 2 | Semester 3 | Semester 4 |
|-----------------------------|------------|------------|------------|------------|
| Tuition fees* | 40000 | 40000 | 40000 | 40000 |
| Medical Insurance | 1000 | | 1000 | |
| University application fees | 5000 | 5000 | 5000 | 5000 |
| Exam fees | 1000 | 1000 | 1000 | 1000 |
| Deposits (Refundable) | 10000 | | | |
| Hostel Utility charges | 10000 | 10000 | 10000 | 10000 |
| Mess fees(Advance) | 15000 | | | |

*SC/ST/PWD candidates will be exempted from payment of tuition fees as per Government of India rules.

*Economically backward forward class (EWS) will be entitled to fee concession as per Government of India rules.

STIPENDS

All students selected for the MSc program will be awarded the RGCB-DBT Masters Stipend.
Intake for the current year: 20