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**UNIVERSITY
EMPLOYMENT
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NATIONAL EMPLOYMENT SERVICE (KERALA)



SREE SANKARACHARYA UNIVERSITY OF SANSKRIT KALADY

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National Employment Service
(Kerala)

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BIOTECHNOLOGY

“Our world is built on biology and once we begin to understand it, it then becomes technology”

-Ryan Bethencourt.

Biotechnology course has emerged as one of the top choices in the biology stream. Biotechnology is the branch of science and technology that deals with the controlled and deliberate manipulation of biological systems for the effective manufacturing or processing of useful products to obtain a vast number of substances, which are useful to man as food, fuel, and medicines. As more of these groundbreaking innovations come to market, they will not only provide enormous societal benefits, but will also serve as a growth engine for our economy. Biotechnology has applications in various areas such as healthcare, pharmacy, food production, animal husbandry, agriculture, textile, nutrition, and various others. There are a large number of therapeutic biotech drugs and vaccines that are currently being marketed, accounting for a US\$40 billion market and benefiting over a hundred million people worldwide.

Biotechnology is a frontline area of Science with immense potential for the benefit of the humankind. The remarkable march of India into the world of Biosciences and Technological advances began in 1986. In that year India has created a separate department for Biotechnology under the Ministry of Science and Technology (Department of Biotechnology, <http://dbtindia.gov.in>.) The Indian industry comprises more than 2,700 biotechnology start-ups as per reports by IBEF.

Areas of synergy in Biotech Space

Medical Biotechnology :

Medical biotechnology offers a significant possibility for Indian industry to establish a string pharmacy sector, a growing number of small and medium biotechnology companies, a large network of universities, research institutes, and medical schools and low cost of product evaluation. The medical biotechnology sector annually contributes over 2/3rd of the biotechnology industry turnover. The Indian vaccine industry has highlighted India’s potential by emerging as an important source of low cost vaccine for the entire developing world.

Industrial Biotechnology:

At present industrial biotechnology is strongly developing and it also known as white biotechnology that uses biological systems for the production of useful chemical entities. This technology is mainly based on bio-catalysis and fermentation technology in combination with recent breakthroughs in the forefront of molecular genetics and metabolic engineering. The application of industrial biotechnology offers significant ecological advantages. Agricultural crops are used as starting raw materials, instead of using fossil resources such as crude oil and gas.

Environmental Biotechnology:

Environmental issues concern everyone. Biotechnology has tremendous potential for application to a wide variety of environmental issues. The goal of environmental biotechnology would be to provide cost-effective and clean alternatives for risk assessment and quality monitoring, eco-restoration of degraded habitats, conversion of toxic recalcitrant chemicals into harmless by- products, bioremediation of wastes, value-added products from biomass, control of biological invasion through biotechnological interventions, greener process technologies etc.

Bio-informatics & IT-enabled Biotechnology

Bioinformatics has proved to be a powerful tool for advanced research and development in the field of biotechnology. As the full genome sequences, data from micro arrays, proteomics as well as species data at the taxonomic level became available, integration of these databases require sophisticated bioinformatics tools. Organizing these data into suitable database and developing appropriate software tools for analyzing the same are going to be major challenges. India has the potential to develop such resources at an affordable cost.

Required Skill sets for Biotechnology <ul style="list-style-type: none"> • Knowledge of Biology, Maths, Chemistry • Analytical skills • Computer and software skills • Networking skills • Innovative • Attention and observation 	Different Courses in Biotechnology <ul style="list-style-type: none"> • BSc Biotechnology, • B Tech Biotechnology • BE Biotechnology, • MSc Biotechnology, • M Tech Biotechnology • PhD 	Job Opportunities in Biotechnology <ul style="list-style-type: none"> • Biochemist • Lab Technician • Research Scientist • Biotech Analyst • Microbiologist • Biostatistician • Clinical Research Associate • Medical writer • Pharmaceutical Production • Production Manager etc
Various Entrance Examinations <ul style="list-style-type: none"> • NEET, JEE Main & Advanced, CUET, KEAM, JAM, GATE etc • CUSAT-CAT • GAT-B (Graduate Aptitude Test Biotechnology / • BET (Biotechnology Eligibility Test) rcb.res.in, rcb.res.in/DBTPG/ • JGEEBILS (Joint Graduate Entrance Examination for Biology and Interdisciplinary Life Sciences) https://www.ncbs.res.in 		

Different Institutes - Biotechnology

Department of Biotechnology under central Government has entrusted RCB as the nodal implementation agency for the management of key human resource development programs through DBT-HRD project and management unit.

- AIIMS Delhi –M.Biotechnology (www.aiims.edu) Admission through Entrance Examination
- Regional Centre for Biotechnology (<http://www.rcb.res.in>)
- IISc, IITs, NITs, IISER
- Central Universities
- National Agri-Food Biotechnology Institute, Mohali (NABI) (<http://nabi.res.in>)
- Various State University departments and colleges under state universities
- Various Private universities
- Gujarat Biotechnology University (in collaboration with university of Edinburgh) (<http://gbu.edu.in>) (Conduct MSc Biotechnology program and Admission through GAT–B score)

In Kerala

- Rajiv Gandhi Centre for Biotechnology Tvm- Admission through GAT-B/BET score (www.rgcb.res.in)
- NIT Calicut (www.nitc.ac.in)
- College of Agriculture Vellayani (BTech)-Admission through NEET-UG and KEAM Registration. (<https://coavellayani.kau.in>)
- Cochin University Of Science & Technology (CUSAT) - For MTech Marine Biotechnology, admission through GAT-B/BET score and for MSc. Biotechnology, admission through CUSAT-CAT score (www.cusat.ac.in)
- M.G University (www.mgu.ac.in)
- Kerala University (www.keralauniversity.ac.in)
- Calicut University (www.uoc.ac.in)
- Kannur University (www.kannuruniversity.ac.in)
- KUFOS (www.kufos.ac.in)
- Govt & Self Financing Colleges in Kerala

Job Notifications

Indian Navy

Railway Protection Force Recruitment 2024

Posts Name	Agniveer (A.R. & S.S.R.)
Vacancies	Anticipated
Last Date to Apply	27.05.2024
Selection Process	Entrance(INET),PET, Written Test, Medical Examination
Salary, Pay Level	Yr 1-30000/- Yr 2- 33000/- Yr 3- 36500/- Yr 4- 40000/-
Age Limit	Born b/w 01.11.2003 & 30.04.2007)
Eligibility	A.R.-10 th pass with 50% marks S.S.R.-12th / Diploma/Eqvt
Official website	www.joinindiannavy.gov.in , www.agniveernavy.cdac.in

Posts	SI & Constable
Vacancies	SI- 452 nos, Const. -4208 nos
Last Date to Apply	14.05.2024
Selection Process	CBT, PET and PMT
Salary, Pay Level	SI : 35400/- Const : 21700/-
Age Limit	SI : 20-28 Yrs Const: - 18-28 Yrs
Eligibility	SI – Graduate Constable – 10 th pass or eqvt
Official Website	rpf.indianrailways.gov.in

Kerala PSC

www.keralapsc.gov.in

Gazette Date: 09.04.2024

Last Date: 15.05.2024

Sl. No	Department	Cat. No.	Post	No. of vacancies
1	Kerala Bank (Kerala State Co-operative Bank Limited) PART I (GENERAL CATEGORY)	063/2024	Clerk / Cashier	115
2	Kerala Bank (Kerala State Co-operative Bank Limited) PART II (SOCIETY CATEGORY)	064/2024	Clerk / Cashier	115
3	Kerala Bank (Kerala State Co-operative Bank Limited) PART I (GENERAL CATEGORY)	065/2024	Office Attendant	125
4	Kerala Bank (Kerala State Co-operative Bank Limited)	066/2024	Office Attendant	124

Admission Notifications

Sl. No.	Name of the Exam	Last Date to Apply	Date of Exam
1	IISER Aptitude Test (IAT) http://www.iiseradmission.in	13.05.2024	09.06.2024
2	National Forensic Science University Gujarat -UG/PG Admission http://nfsu.ac.in	10.05.2024	NFAT- 15, 16 June 2024
3	Integrated Science Studies – UG, PG & PhD Indian Association for the cultivation of Science (IACS) Kolkatha www.iacs.res.in	13.05.2024	16.06.2024
4	IISc Bangalore (Indian Institute of Science) 4 yrs BSc. (Research program & BTech Mathematics & Computing) https://bs-ug.iisc.ac.in , http://btech-ug.iisc.ac.in	14.05.2024	Admission through NEET(UG)-2024, IISER Aptitude Test 2024, JEE Main, Advanced 2024
5	Digital University of Kerala- PG/PhD Admission http://duk.ac.in/admission/apply	15.05.2024	DUAT-08.06.2024
6	Thunchath Ezhuthachan Malayalam University MA Program and MSc Environmental Science www.malayalamuniversity.edu.in	20.05.2024	
7	Bachelor of Hotel Management & Catering Technology (BHMCT) in Kerala Govt colleges www.lbscentre.kerala.gov.in , Help line -0471-2324396, 2560327	20.05.2024	
8	BDes (Bachelor of Design) (Kerala Govt /Self Financing colleges) www.lbscentre.kerala.gov.in , Help line -0471-2324396, 2560327	20.05.2024	
9	National Institute of Nutrition Hyderabad (ICMR) MSc in Applied Nutrition, MSc in Sports Nutrition www.nin.res.in	20.05.2024	Online Entrance test- 23.06.2024
10	Swami Vivekanand National Institute of Rehabilitation Training and Research (SVNIRTAR)- UG/PG Admission http://admission.svnirtar.nic.in	20.05.2024	Common Entrance Test - 23.06.2024
11	CSIR -UGC NET exam http://csirnet.nta.ac.in , www.nta.ac.in	21.05.2024	25, 26, 27 June 2024
12	Bachelor of Design (Fashion Design) Institute of Fashion Technology, Kollam, Kerala www.iftk.ac.in , www.lbscentre.kerala.gov.in Help line no. 0471-2560327, 9447710275	31.05.2024	
13	Central Institute of Petrochemicals Engineering & Technology (CIPET), Udyogamandal 3 yrs Diploma in Plastic Technology (DPT) 3 yrs Diploma in Plastic Mould Technology (DPMT)	31.05.2024	
14	Regional Institute of Education, Mysore 4 yrs Integrated BSc. BEd, BA BEd. 6 yrs MSc.Ed in Physics, Chemistry, Maths 2 yrs BEd in science and Maths, 2 yrs MEd http://cee.ncert.gov.in , www.riemysore.ac.in	Registration will start soon	Common Entrance Examination 2024 (NCERT)-16.06.2024
15	MCA in Kerala Govt colleges / Kerala self financing colleges www.lbscentre.kerala.gov.in Helpline number – 0471-2324396, 2560327	03.06.2024	

Forthcoming Exams

1	CUSAT CAT https://admissions.cusat.ac.in/	2024 May 10,11,12
2	NCHM JEE https://nchmjee.nta.nic.in/	11.05.2024
3	CMI https://www.cmi.ac.in/	19.05.2024
4	UPSC Civil Services Exam 2024	Prelims: 26.05.2024
5	Indian Forest Service (Preliminary) Examination 2024	26.05.2024
6	CUET (PG)-2024 Common University Entrance Test https://pgcuet.samarth.ac.in/	Pen-Paper (OMR) 15.05.24 to 31.05.024
7	KEAM 2024 KEAM 2024 https://www.cee.kerala.gov.in/keamonline2024/	01.06.2024 to 09.06.2024
8	SSE JE (Staff Selection Commission Junior Engineers) https://ssc.nic.in/	04,05,06- June 2024
9	IISER Aptitude Test (IAT) http://www.iiseradmission.in	09.06.2024
10	UGC-NET 2024 Session I	Computer Based 10.06.24 to 21.06.24
11	ICAI CA (Institute of Chartered Accountants of India-CA Exam)	20.06.2024 to 26.06.2024
12	UPSC Engineering Service Examinations 2024	Main 23.06.2024

NB: Candidates are advised to visit the official website and notification for further details.

Days in May

<p>May 01</p> <p>International Labour Day or May Day (On 21 April 1856, Australian stonemasons in Victoria undertook a mass stoppage as part of the eight-hour workday movement. Celebrate to commemorate the 1886 Haymarket affair in Chicago)</p> <p>Maharashtra Day (The state of Maharashtra was formed from the division of the Bombay State on 1 May 1960.)</p> <p>Gujarat Day (The state of Gujarat was formed on 1 May 1960.)</p>	<p>May 02</p> <p>World Tuna Day (In 2017, the United Nations officially declared May 2, as World Tuna Day to focus on conserving the world's tuna population.)</p>	<p>May 03</p> <p>Press Freedom Day (World Press Freedom Day 2024 is centered on the theme, 'A Press for the Planet: Journalism in the Face of the environmental crisis.')</p>	<p>May 04</p> <p>Coal Miners Day (Mines Act was made in 1952. It is observed to honor hardworking miners acknowledges risks, demands better conditions, and fosters appreciation.)</p> <p>International Firefighter's Day (In 1999, Firefighters' Day was created when five firefighters died tragically during a wildfire at Linton in Victoria, Australia.)</p>
<p>May 05</p> <p>World Laughter Day (first Sunday of May) (In 1998, the first celebration took place in Mumbai. It was arranged by Dr Madan Kataria founder of the worldwide Laughter Yoga movement</p>	<p>May 06</p> <p>International No Diet Day It was started by Mary Evans in 1992 and it is an annual celebration dedicated to the importance of body acceptance, diversity, and respect for all body shapes and sizes.)</p>	<p>May 07</p> <p>World Athletics Day (The International Amateur Athletic Federation was founded on 17.07.1912 in Stockholm. It was first celebrated in 1996).</p> <p>World Asthma Day (1st Tuesday of May) (The Global Initiative for Asthma is a WHO collaborative organization which was founded in 1993.)</p>	<p>May 08</p> <p>World Red Cross Day (It is celebrated to commemorate the birth anniversary of the founder of the Red Cross and the ICRC Henry Dunant. He was born in 08.05.1828 in Geneva and had won Nobel Peace Prize)</p>
<p>May 09</p> <p>Rabindranath Tagore Jayanti (The Nobel laureate Rabindranath Tagore was born on May 7th, 1861, in Jorasanko Thakurbari, Kolkata.</p> <p>Maharana Pratap Jayanti (He was one of the greatest warriors and rules born on May 9, 1540, in Kumbhalgarh, Rajasthan.)</p>	<p>May 10</p> <p>World Lupus Day World Lupus Day is an annual event that is dedicated to raising awareness about lupus, a complex autoimmune disease)</p>	<p>May 11</p> <p>National Technology Day (on 11.05.1998 nuclear test was held in Pokhran and based on these tremendous achievements, AB Vajpayee declared 11 May as National Technology Day.)</p> <p>World Migratory Bird Day (2nd Saturday of May) (The World Migratory Bird Day campaign in 2024 will focus on the importance of insects for migratory birds, and highlight concerns related to decreasing populations of insects.)</p>	<p>May 12</p> <p>International Nurses Day (It is celebrated to mark the birth anniversary of Florence Nightingale who who is the foundational philosopher of modern nursing and also famous as "The Lady with the Lamp".)</p> <p>Mother's Day (2nd Sunday of May) (It was founded by Anna Jarvis who had given the idea of celebrating Mother's Day in 1907.)</p>
<p>May 15</p> <p>International Day of Families (The Day was proclaimed by the UN General Assembly in 1993 with resolution A/RES/47/237 and promote awareness about societal factors that affect families.)</p>	<p>May 16</p> <p>National Dengue Day (It is observed with the recommendation of the Ministry of Health and Family Welfare, Govt of India to create awareness about dengue)</p> <p>Sikkim Day (Sikkim formed as the 22nd state in 1975.)</p>	<p>May 17</p> <p>World Telecommunication Day (It marks the founding of ITU when the first International Telegraph Convention was signed in Paris in 17.05.1865)</p> <p>National Endangered Species Day (Third Friday in May) (The day was created and founded by David Robinson and the Endangered Species Coalition in 2006 .)</p>	<p>May 18</p> <p>World AIDS Vaccine Day (Also known as HIV Vaccine Awareness Day. In 1981, AIDS was first reported in the US)</p> <p>International Museum Day (In 1977, International Museum Day was created by the International Council of Museums.)</p>
<p>May 21</p> <p>National Anti-Terrorism Day (The official announcement of the Day was made after the assassination of India's 7th PM Rajiv Gandhi on 21 May 1991.)</p>	<p>May 22</p> <p>International Day for Biological Diversity (In 1992, at the "The Earth Summit" in Rio de Janeiro, Brazil, a strategy for sustainable development was planned and this Convention came into force on 29.12.1993.)</p>	<p>May 23</p> <p>Buddha Jayanti or Buddha Purnima (Gautama Buddha was born in Lumbini near Kapilavastu. He is also known as 'Light of Asia'.)</p> <p>World Turtle Day (It began in 2000 and is sponsored by American Tortoise Rescue)</p>	<p>May 24</p> <p>National Brother's Day (to honor the special bond between brothers and to recognize their contributions to our lives.)</p>
<p>May 27</p> <p>Death Anniversary of Nehru (Nehru, the first Prime Minister of India, died in the afternoon of 27 May 1964, at the age of 74, of a heart attack)</p>	<p>May 29</p> <p>Mount Everest Day (It is celebrated in honour of the remarkable achievement of Edmund Hillary and Tenzing Norgay)</p>	<p>May 30</p> <p>Goa Statehood Day (In 1976, the Goa Assembly issued a resolution seeking for complete statehood; it was later recognised on May 30, 1987)</p>	<p>May 31</p> <p>Anti-Tobacco Day (In 1987, the Member States of the (WHO) created World No Tobacco Day)</p>

General Awareness

- 1 Who was awarded the title of Grandmaster by the International Chess Federation- **Vaishali Ramesh Babu**
- 2 Jeremiah Manele has recently been appointed as the Prime Minister of which country- **Solomon Islands**
- 3 Who recently took over as the Deputy Chief of the Indian Navy- **Krishna Swaminathan**
- 4 Who has been made the brand ambassador of ICC Men's T20 World Cup 2024- **Yuvraj Singh**
- 5 Where is the Archery World Cup 2024 being organized- **China**
- 6 Which country has recently released its new currency- **Zimbabwe**
- 7 In which country will the ICC Women's T20 World Cup 2024 be organized- **Bangladesh**
- 8 Who has been appointed as the National Brand Ambassador of UNICEF India- **Kareena Kapoor Khan**
- 9 National Defense Uty has joined hands with Starburst Aerospace of which country for defense innovation- **France**
- 10 What is the theme of World Book and Copyright Day 2024- **'Read Your Way'**
- 11 Who has been appointed as the brand ambassador of ICC Men's T20 World Cup 2024- **Usain Bolt**
- 12 Tata Power Solar Systems has announced strategic collaboration with which bank- **Indian Bank**
- 13 Which Indian Grandmaster has won the title of Candidates Chess Tournament- **D Gukesh**
- 14 In which country is the Asian Wrestling Championship 2024 being organized- **Kyrgyzstan**
- 15 . Who has been appointed as the head of 'National Security Guard'- **Nalin Prabhat**
- 16 Who has been appointed as the next Chief of the Indian Navy- **Dinesh Kumar Tripathi**
- 17 Who has been appointed as the full-time member of the Sixteenth Finance Commission- **Manoj Panda**
- 18 Recently 'Tricolour Barfi' has been given GI tag, it is related to which city- **Varanasi**
- 19 Who won the Best Airport Award at the Skytrax Awards 2024- **Hamad International Airport (Doha)**
- 20 What is the theme of World Heritage Day 2024- **'Discover and Experience Diversity'**
- 21 Who won the silver medal in Khelo India NTPC National Ranking Archery Competition- **Sheetal Devi**
- 22 Recently Nandlal Bose's death anniversary was celebrated, he was related to which field- **Painting**
- 23 Where was the 23rd session of the 'United Nations Permanent Forum on Indigenous Issues' held- **New York**
- 24 Great left-arm spinner Derek Underwood passed away, he belonged to which country- **England**
- 25 Which is the first stadium in India to use hybrid pitch technology- **Dharamsala**

VG Activities



Documentation of Vocational Guidance Activities of UEI&GB Kalady during the year 2023-24 was released by honorable Vice Chancellor Smt Prof. K K Geethakumari



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“A mind that is stretched by new experiences can never go back to its old dimensions.”
Oliver Wendell Holmes Jr

Oliver Wendell Holmes Jr. (March 8, 1841 – March 6, 1935) was an American jurist who served as an associate justice of the U.S. Supreme Court from 1902 to 1932.[A] Holmes is one of the most widely cited Supreme Court justices and among the most influential American judges in history, noted for his long service, pithy opinions

