



# KERALA AGRICULTURAL UNIVERSITY

## **B Sc. – M Sc. (Integrated) 5 year Programmes**

1. **B Sc. – M Sc. (Integrated) Biotechnology, College of Agriculture, Vellayani, Thiruvananthapuram.**
2. **B Sc. – M Sc. (Integrated) Climate Change Adaptation, ACCER, Main Campus, Vellanikkara, KAU P.O., Thrissur - 680 656.**

## **PROSPECTUS 2016-17**

### **A. Introduction**

Two B Sc. – M Sc. (Integrated) courses of 5 year duration are offered by the Kerala Agricultural University in (1) Biotechnology and (2) Climate Change Adaptation for Plus Two students.

#### **1. M Sc. Biotechnology (Integrated) - No. of Seats - 20**

The M Sc. Biotechnology (Integrated) course was started during 2009-10 with budgetary support from Govt. of Kerala with the objective of improving the quality of biotechnology education in the state. The duration of the course is 5 years (after Plus two). The course will be conducted in multi-institutional mode, involving institutions engaged in biotechnology teaching / research, to facilitate the utilization of highly competent manpower and facilities. This course is offered at the College of Agriculture, Vellayani, Thiruvananthapuram.

Basic Biology, Cell Biology, Molecular Biology, Genetics, Physics, Organic Chemistry, Biochemistry, Mathematics, Statistics, Computer Science, Genomics, Proteomics, Immunology, Enzyme Technology, Computational Biology, Agricultural Biotechnology, Industrial Biotechnology, Environmental Biotechnology, Bio-safety, Bioethics and IPR will be the essential areas covered by the course.

#### **2. M Sc. Climate Change Adaptation (Integrated) – No. of seats - 20**

The M Sc. (Integrated) Climate Change Adaptation Programme was started during 2010 and is offered at ACCER, Main campus, Thrissur. This course envisaged to be of high standard, conducted in multi institutional mode, making use of the manpower and facilities of various reputed institutions in the relevant field.

The programme provides ample opportunity for the students to

- understand the processes and activities that influence climate
- analyze and interpret the risks and opportunities associated with climate and climate change and
- make recommendations of future adaption and mitigation strategies.

The programme provides an integrated approach to the analysis of climate change in the context of agriculture and environmental management. The interaction of the atmosphere with the other components of the Earth system, and the economic and policy issues associated with climate change, sustainability, agricultural productivity and food security are central concerns in the response to climate variability and future climate change.

## **B. Eligibility**

(a) Biotechnology & (b) Climate Change Adaptation

Students having passed 10+2 level examination of various boards in India, as well as CBSE or equivalent to 10+2 level examinations with science subjects are eligible for applying to this course. The student should have secured minimum 60% marks for general category and 50% marks for SC/ST candidates or equivalent grades. Admission will be based on the performance in an entrance examination conducted by the Kerala Agricultural University.

For Climate Change Adaptation Course the candidates should have studied Mathematics as a subject in the +2 level.

## **C. Allocation of seats**

	Biotechnology	Climate Change Adaptation
State Merit	12	12
Ezhava	2	2
Muslim	1	1
Other Backward Hindus	1	1
Latin Catholics	1	1
Dheevara / Viswakarma	1	1
SC / ST	2	2
<b>Total</b>	<b>20</b>	<b>20</b>

## **D. Duration of the programmes**

The minimum prescribed duration shall be 10 semesters (five academic years).

## **E. System of Teaching**

The courses will be conducted in semester pattern. On an average 18 credits will be taken by a student per semester. Successful completion of 180 credits in the form of various courses, research work and training in the industry/academic institutions will make the students eligible for the integrated B Sc. – M Sc. Degree at the end of 5<sup>th</sup> year.

During the first two years all the students will be exposed to fundamental courses. During the third year they will be offered optional as well as specific courses. During the fourth and fifth years the students will be doing thesis work, along with supporting courses. The medium of instruction will be English.

## F. Selection

The selection of candidates will be based on an Entrance Exam conducted by KAU. The questions will be objective type and based on the +2 syllabus. The centres of entrance examination will be decided by the University in accordance with the number of applicants. Allotment to the course will be based on the rank list published by the University.

### Application fee:

General category	:	<b>Rs. 1000/-</b>
Scheduled Caste/Scheduled Tribe	:	<b>Rs. 500/-</b>

### G. Fees:

- (i) Rs.50,000 per semester for M.Sc. Biotechnology (Integrated)
- (ii) Rs.50,000 per Semester for M.Sc. Climate Change Adaptation (Integrated).
- (iii) Admission Fee : Rs. 730
- (iv) Caution Deposit : Rs. 2750

### H. General Conditions:

1. The candidates should have completed the age of 17 years as on the last date fixed for the submission of online application.
2. The candidate should submit the online application and take a print out of the same. Print out of the application along with self attested copies of certificates in proof of age educational qualifications for all candidates and experience, community, non-creamy layer certificates in the case of candidates claimed reservations. The candidate should also attach the counterfoil of Pay-in-Slip/original Demand Draft along with the print out of application. This should reach to the Registrar, Kerala Agricultural University, KAU Main Campus, KAU P.O., Thrissur – 680 656 on or before the last date prescribed in the notification.
3. The communal reservation should be allowed only to the candidates of Kerala natives.
4. The candidates should have passed the qualifying examinations before the last date fixed for the receipt of application in the University.
5. The candidate should produce all the original documents required by the University at the time of admission, failing which, their candidature for admission will be forfeited. They should also remit the amount of fees on the date of admission itself. Fee once paid will not be refunded under any circumstances. The SC/ST students are exempted from remitting the tuition fee and special fee.
6. All those who take admission and discontinued the course shall liable to pay liquidated damages to the University as directed by the authorities.
7. The Registrar, Kerala Agricultural University or the officer entrusted by him with the work of admission on this behalf is entitled to refuse admission to candidates if they are not satisfied with the correctness or genuineness of any certificates filed by them along with the application. The decision of the Hon'ble Vice-Chancellor on this behalf will be final.
8. The Registrar, Kerala Agricultural University is competent to close the admission at any date after the commencement of 1<sup>st</sup> semester of course.
9. The student should report in the concerned college/institution on the date mentioned in their Bio-data cum Admit Card. Failure to report the college/institution on the date without prior permission will lose the admission of candidate without further notice.

10.(i) *Foreign students*

The following procedures have been prescribed for admission of the foreign students. The normal procedure for seeking admission is that the foreign student should apply in the prescribed form available in the Indian missions abroad and the application is to be forwarded to the Government of India by the Embassy/Mission concerned. The Ministry of Education will then arrange for admission through ICAR. The foreign students who arrive in India on Tourist visas will not be admitted unless he/she has taken previous approval of the Government of India for his/her visa being converted to student visa but his/her application will be provisionally considered and the eligibility decided. An 'Eligibility Certificate' indicating the last date by which he/she must join the course will be issued to the eligible candidate who will be advised to approach the Ministry of Home affairs through the Foreigner's Registration Officers of the State Government where the foreign student is temporarily residing at the time of application. The eligibility certificate in original should be attached with the application for conversion of visa.

No application for admission from students holding Chinese nationality (from Mainland and Formosa) will be entertained without a clearance from the Government of India 'Ministry of Education'. Before joining the course, the foreign student also will be required to fill in relevant particulars in the application form available from the Kerala Agricultural University.

No self-supporting student of any foreign country is admitted in the University.

Foreign students being admitted in the University should undergo medical examination within a month of their admission. These students will initially be admitted provisionally on the strength of a Medical Certificate and AIDS free certificate and only on the production of valid medical certificate, admission will be confirmed.

Medical Examination shall be carried out by an authorized Medical Officer with a rank of not less than that of Civil Surgeon/CMO of the District where the institution is located or any other Officer designated for the purpose.

(ii) *Candidates from outside states*

The candidates having the requisite qualification seeking admission from outside Kerala State should apply to the ICAR, Krishi Bhavan, New Delhi through their State Government concerned. In respect of Union Territories of Lakshadweep and Andaman/Nicobar, the reserved seats are exclusively for the ethnic natives. No restriction will be imposed on candidate, sponsored by the ICAR except to the extent that they should satisfy the minimum requirements prescribed.

A special caution deposit of Rs.2,650/- is to be paid at the time of admission in the case of candidates from outside the State/Foreign country which will be refunded when he/she leaves the University.

11. Penalty for furnishing false information

Any candidate who is found to have willfully or otherwise given any particulars which are false or has suppressed material information or does not satisfy the requisite qualification for admission shall be disqualified. They shall not be allowed to continue on the rolls of the University, if it is detected at any stage of his/her studentship in the University. In case the candidate has already passed out of the University then the degree awarded by the University shall be withdrawn.

12. High Court of Kerala will be the only judicial body to decide on all disputes arising, if any, in the matter of admission.
13. The prospectus is subject to further modification/addition as may be considered necessary by the University and will be issued as executive orders/notifications. And such modifications will be applicable to all students admitted during this year.

**Time Schedule:**

Issue of Notification	10.05.2016
Last date of submission of online application	10.06.2016
Last date of receipt of Hard Copy of Application	18.06.2016
Issue of Admit Card	01.07.2016
Written Test	10.07.2016
Date of Publication of Rank List	25.07.2016
Date of Admission	08.08.2016
Date of Registration	16.08.2016
Date of Classes begins	16.08.2016

- **The time schedule may change in accordance with the decision of the University.**

**REGISTRAR**