



SRM

INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)

Welcome

FACULTY OF AGRICULTURAL SCIENCES

SRM Institute of Science and Technology

- Top ranking university in India with excellent infrastructure
- Over 38,000 students and above 3000 faculty members
- Graded as Category II Deemed University by UGC recently
- Accredited by NAAC with 'A++' Grade in 2018
- Placed in 'A' Category by MHRD

Chancellor SRM IST

Great affinity towards

Education
Students
Farmers
Vegetation
People



SRM - College of Agricultural Sciences, Achirupakkam

Futuristic Institution for higher education and research in agriculture and allied sciences integrating Ecology, Food, Nutrition and Health



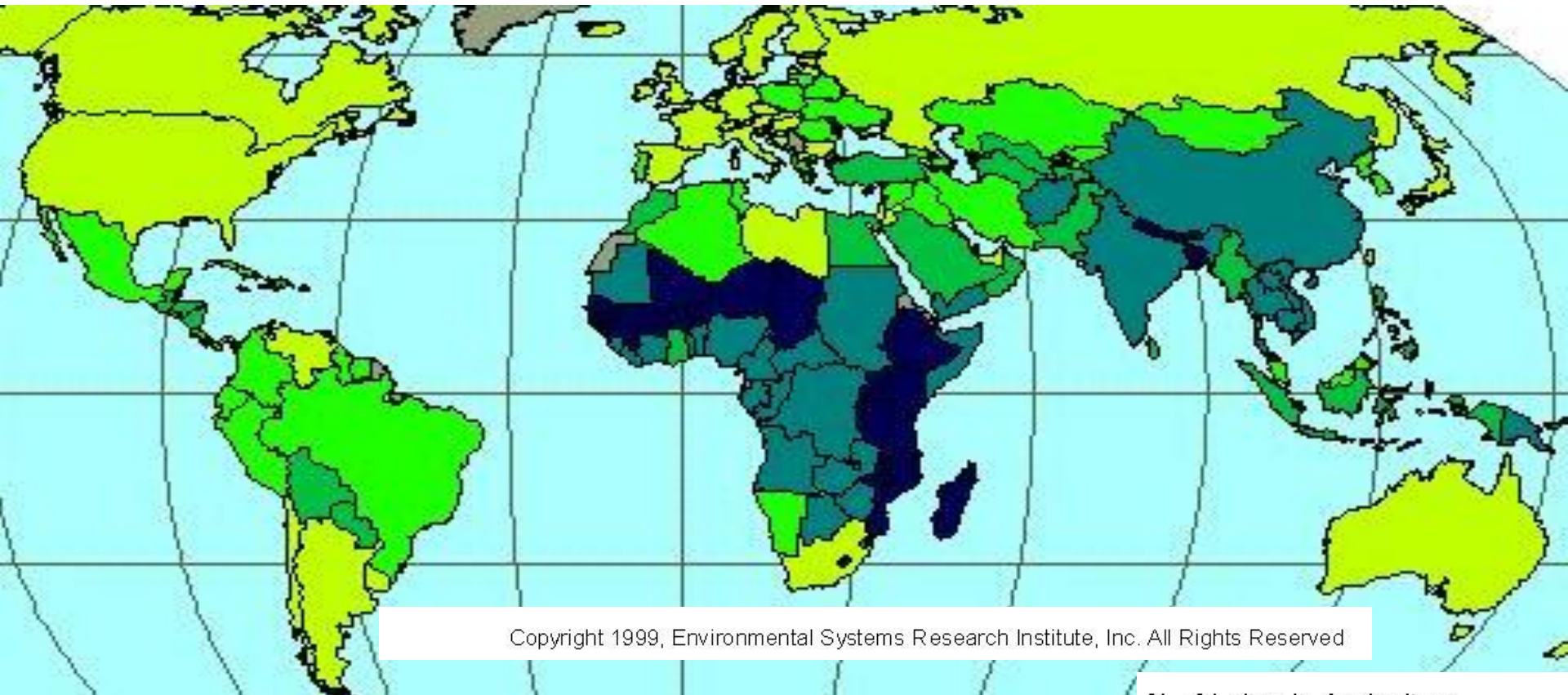
Agriculture

**Agriculture is an Ecosystem, Art, Livelihood,
Food security, Nutrition, Health, Science,
Business and Economy of India**

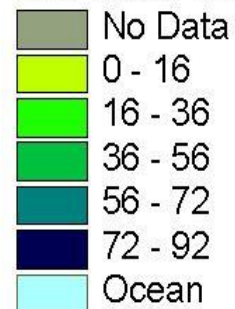


Most important question of the day: What's for lunch?

Agriculture: Deliberate land modification through plant cultivation and raising animals for food or profit.



% of Labor in Agriculture



- Percentage of labor force MDC: 5% (avg.), LDC: 55%

Source URL: <http://www.faculty.de.gcsu.edu/~dvess/gissues/agrlabor.jpg>

Agricultural Sciences

Agriculture



Horticulture



Agricultural
Engineering



Bio
technology



Dairy
Technology



Fisheries



Food
Technology



Forestry



Community
Science



Sericulture



Importance of Agriculture

- India lives in villages and agriculture is the soul of Indian economy- **Mahatma Gandhi**
- Agriculture is the backbone of Indian economy
- It has played significant role in economic development of nation during planning period
- It contributed 12 percent in GDP of India during 2011-12 at 2004-05 prices.
- Agriculture and allied products accounted 9.08 percent share in total export of India during 2011-12
- India has 10th rank in export of agriculture and food products in the world

What is Horticulture?

'Science of growing and management of fruits, vegetables including tubers, ornamental, medicinal and aromatic crops, spices, nuts, plantation crops, algae, flowers, seaweeds and non-food crops such as grass and ornamental trees and plants, mushroom, bamboo, coconut..

Includes bee keeping; processing, value addition and marketing of products, plant conservation, landscape restoration, landscape and garden design, construction, and maintenance, and arboriculture

An overview of Indian Agriculture

(Production side)

❖ Comparative advantages:

- Diverse agro-climatic zones across the country
- Round the year sunshine
- Potential to cultivate a vast range of agricultural products
- Second largest arable land in the world
- Potential for large marketable surpluses and abundant raw material for processing
- Vast pool of skilled manpower in research and extension

❖ **These advantages being leveraged, for India to be a leading food supplier to the world**

Agriculture Sector

INDIAN SCENARIO

Product	% World's Production
Fruits (50 million MT)	9%
Vegetable (90 million MT)	15%
Mango	41%
Banana	23%
Cashew nut	24%
Onion	10%
Cauliflower	30%
Green peas	36%

Agricultural Education in India



Governed by ICAR

(Indian Council of Agricultural Research)

Autonomous body responsible for co-ordinating agricultural education and research in India

National Agricultural Education Accreditation Board (NAEAB)

The Higher Agricultural Educational Institutions (HAEIs) shall encompass :

- State Private Universities having agricultural Faculty and offering degrees in agriculture and allied sciences subjects,
- Deemed Universities offering degrees in agriculture and allied sciences subjects

(ICAR Guidelines 2017)

B.Sc. (Hons.) Horticulture / Agriculture Programme in SRM-IST

Duration	8 Semester (4 Years)
System of Education	Credit Based (Compulsory)
Total Credit Hours of Learning	180 - 184
Distribution of Credits	<ul style="list-style-type: none">• Theory• Theory based practical• Practical
Number of working days per semester	110 – 112
Attendance Requirement	80%

Number of Classes per Week	2 + 1 Course (2 theory + 1 practical)
	1 + 1 Course (1 theory + 1 practical)
	0 + 1 Course (1 practical)
	0 + 2 Course (2 practicals)
Class Hour Duration	Theory : 1 hour Practical : 2 hour Physical education : 1.5 hour
Evaluation System	Marks (max 100) converted to OGPA (Overall Grade Point Average) (05 - 10)

Eligibility Criteria

H.Sc. / Equivalent - Academic Stream: Candidates seeking admission into B.Sc. (Hons.) Horticulture and B.Sc. (Hons.) Agriculture programme must have passed the Higher Secondary Examination (10+2) conducted by any recognized Board / University, with any one of the following subject group :

Group I : Physics, Chemistry, Biology and Mathematics

Group II : Physics, Chemistry and Biology

Group III : Physics, Chemistry and Mathematics

Group IV : Physics, Chemistry, Botany and Zoology

Group V : Physics, Chemistry and Forestry

Group VI : Physics, Chemistry, Biology and Agriculture

Group VII : Physics, Chemistry and Agriculture

H.Sc. - Vocational Stream: Biology and Agricultural Practices as vocational subject including theory & practicals

Eligible Minimum Qualifying Marks: 50% aggregate marks.

Career Opportunities

Set up your own SMART FARM



Own Agricultural Therapy Centre (Care Farm)



Become an IAS / IPS / IFS Officer

**Popular People who have
Agricultural Science as their
foundation degree**

1 . Dr. C. Sylendra Babu - IPS

2. P. Amudha - IAS

3. Uma Rani -IFS

**Success rate of candidates with agriculture
: 10 to 19 %**

Become a Scientist



Prof. M.S. Swaminathan

Padma Vibushan, Father of Green Revolution, Founder MSSRF, World Agriculture Prize Laureate, World Food Prize Laureate

Dr. Dinakaran Elango

Scientist

International Potato Center, USA

**Dr.T.M. Thiyagarajan,
Dean, SRM-CAS**



Become a Banker



Mr. M. Balasubramanian MSc (Ag), MBA
Director, Finance, SRMIST
Former MD, REPCO Bank

Prof. MV. Ashok, MSc (Ag)
Former Chief General Manager,
NABARD



Mr. V.M. Suresh, BSc (Ag)
Deputy Manager
State Bank of India



Become a CEO of your own Agribusiness Company



Dr. N. Bharathi MSc (Ag), Ph.D
Growmore Bio-Tech
Hosur

Mr. Bala Shiva Prasath BSc (Ag)
Shiva Shakthi Floritech
Bagalur



Become a Vice President in IT Industry



Mr. B. Viswanathan MSc (Ag), MBA
Executive Vice President
nThrive Healthcare Global Business Services

**Focus in SRM – CAS (College
of Agricultural Sciences)**

Agroecology

- Agroecology is the application of ecological principles to agriculture
- growing awareness on safe and healthy food and environment
- sustainable food production
- we are the only agricultural institution in the country teaching agroecology
- Our new agricultural campus will be an ecocentric campus in Achirupakkam

Rural Development

- Rural development is associated with agriculture because agriculture is the basis of the livelihood of most rural families
- Doubling the Farmers' Income is the Government's Campaign
- Sustain rural living
- SRM – Agricultural Rural Development Centres (SRM-ARDC) in each district

Herbal Farming and Technology

There is an awakening all over the globe to turn back to the traditional treatment using different parts of plants as an affordable way and to revive traditional system of medicine uninterrupted supply of genuine raw material are of prime necessity.

SRM-CAS will have a special focus on herbal farming and technology.

Urban Agriculture



SRM “Urban Farm Centre” will facilitate setting up soil-less gardens, vertical gardens, terrace gardens by providing hands-on training.



Precision Agricultural Technologies

Precision Farming Concept

"THE RIGHT INPUT, THE RIGHT AMOUNT, THE RIGHT TIME AND THE RIGHT PLACE"



TECHNOLOGIES EMPLOYED

- Remote sensing, satellite navigation system
- Geographical Information Systems
- Automatic yield recording systems
- Automatic soil sensor
- Variable Rate Technology
- Advanced agronomy
- Advanced farm management

"What kind of Precision Agriculture do smallholders need?"



Thrust towards
Protecting
Natural
Resources &
Agribusiness

A woman and two children are in a garden. The woman is leaning over, and the children are looking at something in the garden. The background is a lush green garden with many plants.

*To plant a garden is to believe
in tomorrow.*

- Audrey Hepburn

AGRICULTURE IS THE FUTURE