

# University at a Glance

ಕೃಷಿ ವಿಶ್ವವಿದ್ಯಾನಿಲಯ, ಬೆಂಗಳೂರು  
UNIVERSITY OF AGRICULTURAL SCIENCES, BANGALURU



*Transforming Agriculture  
by Touching Frontiers*

**UNIVERSITY OF AGRICULTURAL SCIENCES, BANGALORE**

Gandhi Krishi Vignana Kendra, Bengaluru-560 065, India

2020



An experimental farm of 30 acres was established at Hebbal in 1899 which was upgraded to an Agricultural School in 1913 and later into Mysore Agricultural College in 1946. The University of Agricultural Sciences, Bangalore was established through an Act by the Govt. of Mysore (Karnataka) in 1963 and inaugurated by Dr. Zakir Hussain, Vice-President of India on August 21, 1964. The Gandhi Krishi Vignana Kendra (GKVK) campus was inaugurated by Smt. Indira Gandhi, Prime Minister of India on July 12, 1969.



Experimental Farm (1899)



Agricultural School (1913)



Agricultural College, Hebbal (1946)



North Block  
UAS, GKVK, Bengaluru



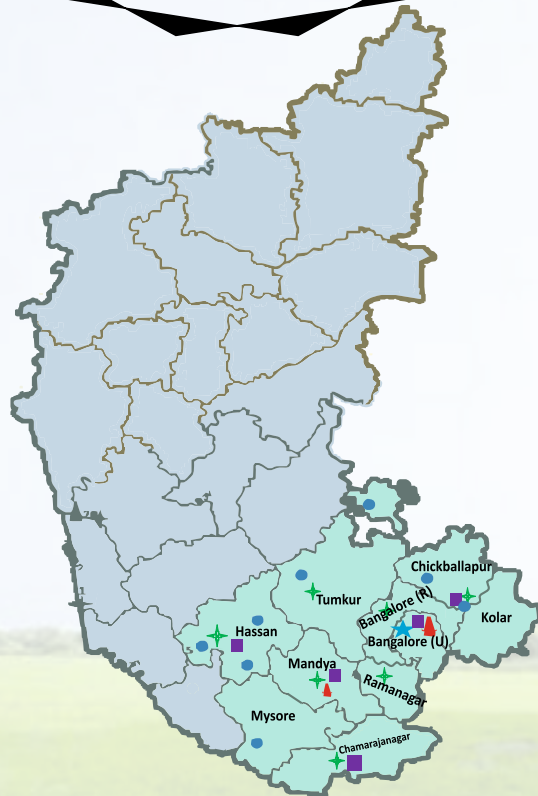
Dr. Zakir Husain, Vice-President of India  
inaugurating the University  
on August 21, 1964



Smt. Indira Gandhi, Prime Minister of India  
inaugurating the GKVK campus  
on July 12, 1969



In an effort to expand agricultural education, UAS, Bangalore has ensured a broad geographic spread of its Teaching, Research & Extension campuses in different regions covering 10 districts of Karnataka



■ Colleges ★ MRS ▲ ZARS ● ARS ✦ KVKs



College of Agriculture, Bangalore



College of Agriculture, Mandya



College of Agriculture, Hassan



College of Sericulture, Chintamani

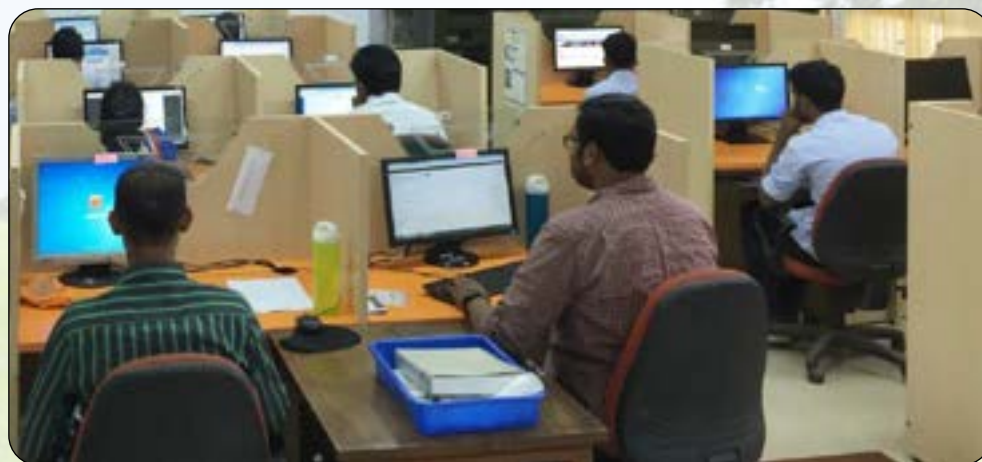
■	Colleges	6
★	Main Research Station (MRS)	1
▲	Zonal Agricultural Research Stations (ZARS)	2
●	Agricultural Research Stations (ARS)	10
✦	Krishi Vigyan Kendras (KVKs)	7

**New Colleges Started During 2018: College of Agriculture at Chamarajanagara & College of Agricultural Engineering at GKVK, Bengaluru**

University has drawn-out its academic programs to meet the requirement of human resources in the face of changing agriculture scenario. A range of new technology oriented six Under-Graduate Degree programs in Agriculture, Sericulture, Food Science & Technology, Agricultural Marketing & Cooperation, Agri-Biotech and Agricultural Engineering including 22 Postgraduate programs & 15 Doctoral degree programs have been initiated across five campuses.



Well equipped learning centres



### Master's & Doctoral Degree Programmes in different Disciplines

Disciplines	Campus	
	Master's	Doctoral
Agricultural Economics	Bengaluru	Bengaluru
Agricultural Entomology	Bengaluru/Mandya	Bengaluru
Agricultural Extension	Bengaluru	Bengaluru
Agril. Marketing and Co-operation	Bengaluru	
Agricultural Microbiology	Bengaluru	Bengaluru
Agricultural Statistics	Bengaluru	
Agronomy	Bengaluru/Mandya	Bengaluru
Apiculture	Bengaluru	
Crop Physiology	Bengaluru	Bengaluru
Environmental Science	Bengaluru	Bengaluru
Food Science & Nutrition	Bengaluru	Bengaluru
Genetics & Plant Breeding	Bengaluru/Mandya	Bengaluru
Horticulture	Bengaluru	Bengaluru
Plant Biochemistry	Bengaluru	
Plant Biotechnology	Bengaluru	Bengaluru
Plant Pathology	Bengaluru/Mandya	Bengaluru
Process & Food Engineering	Bengaluru	
Soil & Water Conservation Engineering	Bengaluru	
Soil Science & Agril Chemistry	Bengaluru/Mandya	Bengaluru
Seed Science & Technology	Bengaluru	Bengaluru
Sericulture	Bengaluru	Bengaluru
MBA (Agri-Business Management)	Bengaluru	





Besides degree programmes, the university has launched Diploma and Certificate courses to meet the human resource needs of technology, services, marketing, extension and research. University places great emphasis on dynamic curriculum that ensures specialized skills and practical experience.



53<sup>rd</sup> Convocation of UAS, Bangalore

Diploma / Certificate Courses	Campuses
Baking Technology (14 weeks)	Bengaluru
Diploma in Agriculture (2 years)	Mandya
Diploma in Agricultural Extension Services for Input Dealers (DAESI) - 48 weeks	Bengaluru/Mandya/Hassan/ Chintamani/ all KVKs
Distance Education - One year Diploma and Certificate Course	Bengaluru
PG Diploma in Agriculture for farm University Graduates (Distance Education) for one year	Bengaluru

#### Digital Evaluation & UGAM Module

Introduction of digital evaluation of answer booklets by UAS-B for all UG degree programs is an exploratory transparent evaluation system. Payment gateway module of Under Graduate Academic Management (UGAM) software facilitates cashless transaction and registration by the students including their study cycle.



#### International Centre

UAS, Bangalore has established International Centre that would promote, facilitate and coordinate academic interactions of the University with other Universities outside India to establish a global research network in the area of agriculture and allied sciences. It also tracks faculty collaborations, international visitors and academic events.

#### Ensuring Gender Equality

In order to ensure gender equality required in farming sector, University of Agricultural Sciences, Bangalore has promoted and enhanced the representation of women in various academic programs to about 40 per cent



Over the past six decades, UAS-B has developed several locally relevant production technologies that have substantially enhanced farm productivity in the state and beyond



Agro Forestry in Dryland

**Excellence in Crop Improvement and Innovations in Production**

In less than half a century, UAS-B has released over 200 varieties in diverse crops. The major flag bearers of these are unique varieties in finger millet (ragi), pigeonpea, groundnut, cowpea, sugarcane and hybrids in paddy, sunflower & maize. Production technologies developed for Dryland Agriculture have helped to stabilize farm productivity even in rain sparse years.

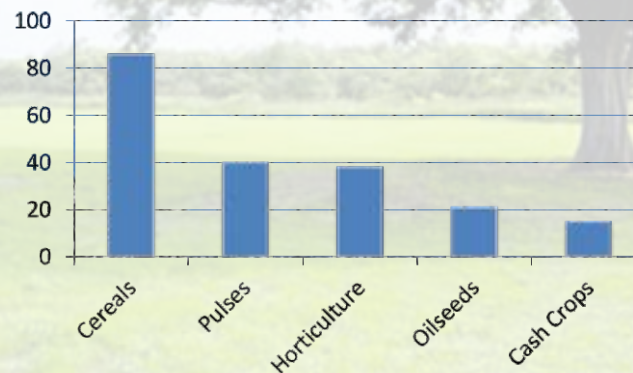


Aerobic Rice



Cowpea : PGCP 6

**Number of varieties released by UAS-B**



Sunflower Hybrids for Enhanced Edible Oil Production



The University of Agricultural Sciences, Bangalore has grown into an institution of national and international repute. More importantly, it has carried out its mission in agricultural education, research and extension to transform agriculture in the state bringing smiles to farmers



*Karune*, the country's first vegetable soybean variety was developed to supplement protein requirement in diet

*GPU* varieties of finger millet that revolutionized millet cultivation in South India were developed at UAS, Bangalore



*BRG* series of Pigeonpea varieties developed by the University have contributed significantly towards pulse production

Development of farm machinery has promoted reduced drudgery and improved efficiency



Pongamia Decorticator



Tamarind Dehuller



The University has built a sound knowledge base through its unique programmes in basic, strategic and translational research. This strong foundation of knowledge drives the research programmes of the University to enhance the productivity of agriculture in the State.



Farming Portal <http://e-krishiuasb.karnataka.gov.in> developed by UAS-B is a boon to all the stakeholders



Indian Bioresource Information Network, the largest database on biodiversity in the country is hosted at UAS-B

Indo-German collaborative project 'The Rural-Urban Interface of Bangalore-A Space of Transition in Agriculture, Economics and Society' between UAS-B, University of Kassel, University of Gottingen, Germany and other partner organisations would address impact of urbanisation on agricultural production systems, flow of ecosystem services, food security, value chains, socio-economic changes and adaptations

Prof. Nanjundaswamy Research Chair established in the University undertakes need based research, outreach activities to address emerging issues in agriculture and to empower resource poor farm households



Web-based fertiliser recommendation through STCR approach coupled with geo-referenced soil fertility maps that helps farmers to know soil fertility status

Project on "Center for Next Generation Technologies (NGT) in Adaptive Agriculture (AA)" under Centre for Advanced Agricultural Science & Technology (CAAST) program is a feather to University



Jaggery Park is a unique attempt to empower sugarcane growers in the production of value added products for augmenting farm income





Zinc, Iron and protein rich aerobic rice varieties



Drip irrigation saves water in rice & sugarcane apart from reducing emission of Green House Gases

Keeping in view the challenges posed by global climate change and its potential impact on reducing farm productivity the University has been successful in developing several technologies that are expected to strengthen climate-smart approaches to farming



Precision farming (right) in groundnut increases pod yield by fifty per cent over farmer's practices (left)



Production technologies for small millets





Inauguration of Bio-energy Research & Quality Assurance Laboratory at GKVK



DBT-RBRC Bio-Resource Complex is the first ever unit aimed at farm-level integration of technology and marketing



PG Science Week - Annual event showcasing the research activities of Post Graduate students

While continuing traditional disciplines, UAS-B is also building its strength in the emerging areas of education, research and outreach programmes of agriculture



UAS has well established Phenomics facility for developing climate resilient crop varieties

UAS-B has established 32 All India Coordinated Research Projects (AICRP) on different areas



Biofuel Park pioneers the concept of biofuels in farming systems of Karnataka for energy security, soil and water conservation and reduced consumption of fossil fuels

UASB has faculty and student mobility programmes with the University of Goettingen, Germany and Ghent University Belgium under SWAGATHA (KA 107 and KA 108), NAMASTE + DAAD-A new passage to India and IMRD.

University runs a Virtual Summer School on 'Tackling Climate Change through Global Learning' partnering with Zurich University of Applied Sciences, Switzerland and Federal University of Grande Dourados, Brazil. The didactic concept aims at empowering students and training them to become global change makers.

Centre for Agriculture and Rural Development Studies (CARDS) established at the University aims at Human Resource Development, Consultancy Services and Social Engineering contributing for agricultural policy analysis and research





Glimpses of Farmers' Field School



Frontline Demonstration



Scientist & farmers during the diagnostic visit

UAS-B has played a pivotal role in carrying out front-line extension involving all the stakeholders for technology dissemination and also identifying problems that require technological interventions. Agricultural Technology Information Centre, UAS Agri-portal, Krishi Vignana Kendras, Extension Education Units, Bakery Training Unit, Staff Training Unit and Farmers' Training Institute of the University have been nationally commended for their role in outreach activities both at the State and National level. Krishimela of UAS-B has proved to be a substantial boon to the surging development of agriculture in the State.



Krishimela-2019



Farmers at Field Day on IPM in Brinjal



Mahatma Gandhi Jayanthi and Jalashakthi Abhiyan



Participants during exposure visit





Sardar Patel Outstanding ICAR Institution Award - 2012



National Education Award - 2017



ICAR National Level Best KVK Award-2014 (Bangalore Rural)



ICAR Best KVK Award of Zone VIII-2013 (Bangalore Rural)



### National Awards / Recognitions

Sardar Patel Outstanding ICAR Institution Award – 2001

Sardar Patel Outstanding ICAR Institution Award – 2012

First position in All India JRF Examination for 2018

First position in All India JRF Examination for 2017

First position in All India JRF Examination for 2016

First position in All India JRF Examination for 2005

First position in All India JRF Examination for 2002

Second position in All India JRF Examination for 2015

Second position in All India JRF Examination for 2013

Third position in All India JRF Examination for 2014

First among State Agriculture Universities (SAU) - 2009

One among the three SAUs awarded PURSE by DST

Two ICAR Niche Area of Excellence programmes

National Productivity Council Awards

- Kabbalanala Model Watershed

- Mittermari Model Watershed

- Bakery Training Unit

UAS-B Awarded Five Star Institution by GoK (2019)

ICAR Best KVK Award (Biennium 2002-03) - KVK, Hassan

ICAR Best KVK Award of Zone-VIII-2012 (Bangalore Rural)

ICAR National Level Best KVK Award-2014 (Bangalore Rural)

Chaudhary Devi Lal Outstanding AICRP Award

Environmental Excellence Award - 2012 by Karnataka

Pollution Control Board, GoK

NSS Best University and Best NSS Programme

Co-ordinator Award 2012-13 and 2016-17

National Education Award 2017

AICRPAM - Best center in the country during 2017-18



ICAR - JRF Award - 2018



ICAR - JRF Award - 2017



ICAR - JRF Award - 2016



ICAR - JRF Award - 2014



True to the farm niche in which students of the university are being brought up, they have been cultivating and nurturing the rural culture while keeping up their physical fitness through sports. University has a strong support system to encourage co-curricular activities for overall personality development. Students have on their part excelled in sports and cultural activities by dancing and leaping their way to championships at the national level.



**Champions in Cultural Events**

University students have excelled in youth festivals and bagged several awards at the state and national levels



**Champions in Sports & Games**

University students bagged several awards during 19th All India Inter Agricultural Universities Sports and Games held at PAU, Ludhiana from 2-5 January, 2019



**18th All India Agri-Sports Meet 2017-18**  
30th January to 3rd February 2018

UAS, Bangalore

**Torch-bearers in Sports Events**  
Overall Contingent Trophy





Dynamics of Access to Water Resources of Karnataka



Molecular Assisted Breeding of Finger Millet for Blast and Drought Resistance



Concordia University



Evaluation of Food Retail Chains in South India



Higher Education and Collaborative Research



Vice-Chancellor exchanging MoU with North Carolina State University, USA



Application of DNA Markers in Breeding and Gene Mapping



National Symposium on Integrated Farming Systems for 3Es



54<sup>th</sup> Foundation Day of University of Agricultural Sciences, Bangalore



University is fostering and maintaining relationship with all stakeholders through media coverage. University showcases and communicates activities through its website platform.





## *Millets for Coping with Climate Change*



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**2020**

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