University at a Glance

UNIVERSITY OF AGRICULTURAL SCIENCES
Gandhi Krishi Vignana Kendra, Bengaluru-560 065, India

Transforming Agriculture by Touching Frontiers
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.
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.

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

- Colleges: 6
- Main Research Station (MRS): 1
- Zonal Agricultural Research Stations (ZARS): 2
- Agricultural Research Stations (ARS): 10
- Krishi Vigyan Kendras (KVKs): 7

Transforming Agriculture by Touching Frontiers
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.

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

### Diploma / Certificate Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Campuses</th>
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<tbody>
<tr>
<td>Baking Technology (14 weeks)</td>
<td>Bengaluru</td>
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<tr>
<td>Diploma in Agriculture (2 years)</td>
<td>Mandya</td>
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<tr>
<td>Diploma in Agricultural Extension Services for Input Dealers (DAESI) - 48 weeks</td>
<td>Bengaluru/Mandya/Hassan/Chintamani/all KVKs</td>
</tr>
<tr>
<td>Distance Education - One year Diploma and Certificate Course</td>
<td>Bengaluru</td>
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<tr>
<td>PG Diploma in Agriculture for farm University Graduates (Distance Education) for one year</td>
<td>Bengaluru</td>
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</tbody>
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### Ensuring Gender Equality

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

### 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.
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.

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.
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 and 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-krishi.uasb.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.

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

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

- Zinc, Iron and protein rich aerobic rice varieties
- Drip irrigation saves water in rice & sugarcane apart from reducing emission of Green House Gases
- Precision farming (right) in groundnut increases pod yield by fifty per cent over farmer’s practices (left)
- Production technologies for small millets
University of Agricultural Sciences, Bangalore

Transforming Agriculture by Touching Frontiers

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

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

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

Post Graduate Science Week-2018
28-31 May, 2018

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

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

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.

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

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.
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.
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
  - Mittemari Model Watershed
  - Bakery Training Unit
- 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
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.
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

International Collaboration

higher Education and Collaborative Research

University of Agricultural Sciences, Bangalore

Transforming Agriculture by Touching Frontiers
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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