



ನೋಗಲ ಮೇಲೆಯೇ ನಿಂತಿದೆ ಧರ್ಮ



ಕರಾವಳಿ ಭಾಗಕ್ಕೆ ಸೂಕ್ತವಾದ ನೆರೆ ತಡೆದುಕೊಳ್ಳುವ ಕೆಂಪು ಭತ್ತದ ತಳಿ ಸಹ್ಯಾದ್ರಿ ಪಂಚಮುಖಿ  
**Flood tolerant red rice variety, Sahyadri Panchamukhi suitable for coastal zone**



ಕೃಷಿ ಮತ್ತು ತೋಟಗಾರಿಕೆ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಶಿವಮೊಗ್ಗ  
University of Agricultural and Horticultural Sciences, Shivamogga

ಸುಗ್ಗಿ ಸಂಭ್ರಮ-5

ಐದನೇ ಘಟಿಕೋತ್ಸವ

**FIFTH CONVOCATION**

29-02-2020

ಸ್ವಾಗತ ಭಾಷಣ ಹಾಗೂ ಸಂಕ್ಷಿಪ್ತ ವರದಿ

**Welcome Speech with a Brief Report**



ಡಾ. ಎಂ. ಕೆ. ನಾಯ್ಕ್  
ಕುಲಪತಿಗಳು

Dr. M. K. Naik  
Vice Chancellor

ಫೆಬ್ರವರಿ 29, 2020 ಶನಿವಾರ ಬೆಳಿಗ್ಗೆ 11:00 ಗಂಟೆಗೆ  
February 29<sup>th</sup>, 2020 Saturday at 11:00 AM





## UNIVERSITY OF AGRICULTURAL & HORTICULTURAL SCIENCES, SHIVAMOGGA FIFTH CONVOCATION

Welcome Speech with a Brief Report

His Excellency the Chancellor of the University and the Hon'ble Governor of Karnataka **Shri. Vajubhai Vala**, the Pro-Chancellor of the University and the Hon'ble Minister for Agriculture **Shri. B. C Patil**, Distinguished Chief Guest of the Convocation **Dr. Ramesh Chand**, Hon'ble Members of Board of Management, Members of Academic Council, Former Vice Chancellors, Donors of Medals, Distinguished Invitees, Directors, Deans and Members of the Faculty and Staff, my dear Graduating Students, proud parents, Representatives from press and Electronic Media, Ladies and Gentlemen.

I deem it a matter of great privilege and honour to present the welcome address of the Fifth Convocation of the University of Agricultural and Horticultural Sciences, Shivamogga. The convocation will be a great moment and an auspicious occasion for all of us with His Excellency and Chancellor **Shri Vajubhai Vala** who has consented to preside over and confer the degrees.

**Shri Vajubhai Vala** borne on 23-01-1938, holds Bachelor's Degree in Science and Law. A born leader, **Shri Vajubhai Vala** entered into public life in his early age itself and exhibited remarkable leadership qualities. He was associated with one of the leading Co-operative Banks of India, **Shri Rajkot Nagrik Sahakari Bank** since the year 1971 and provided able service as a Chairman of this leading Bank from 1975-76 to 1981-82 and from 1987 to 1990. He was the





Mayor of Rajkot in the 1980s and did extremely admiring work during the water crisis in the year 1986. He was greatly admired by the people of Rajkot for solving the water crisis effectively.

Shri Vajubhai Vala was a member of Rajkot Civil Supplies Advisory Committee and Gujarat State Road Transport Authority Committee. He was first elected in 1985 from Rajkot city Constituency and became a Member of seventh Gujarat Legislative Assembly. He was Member of Budget Committee of Gujarat State Assembly in 1985. He continued as MLA in the next six legislative Assemblies from 1985-2012. He was elected as MLA from Rajkot constituency for seven times continuously. He served as the Cabinet Minister in Government of Gujarat with finance and revenue portfolios from 1998 to 2012. He reviewed the Urban Land Ceiling Act and rendered a remarkable service during the natural calamities like drought and earthquake.

He took active part in deliberations of the Government of India Empowered Committee on VAT. He has the distinction of presenting budget in Gujarat Legislative Assembly for a record number of 18 times as Finance Minister. He was elected as the Speaker of assembly in December 2012 and served till August 2014. He is presently serving as the Governor of Karnataka since 1<sup>st</sup> September, 2014.

Shri Vajubhai Vala is a good reader, orator and has great command over the language. He has been conferred with **"The Best Citizen of India Award 2006"** by International Publishing House, New Delhi. Shri Vajubhai Vala has been conferred with **"Bharat Gaurav Award"** by



India International Friendship Society, New Delhi on 9<sup>th</sup> June, 2007 on the occasion of Economic Growth and National Integration Seminar held at Mumbai.

**Sir, we are extremely honoured by your gracious presence on this auspicious occasion of convocation of rather a young University. I heartily extend a warm welcome to you for the 5<sup>th</sup> convocation of the University.**

It is our great privilege to have with us **Shri B. C Patil**, Hon'ble Minister for Agriculture, Government of Karnataka and Pro-Chancellor of the University for the 5<sup>th</sup> Convocation.

He was borne to noble couple, Smt. Shivamma and Shri Channabasavangowda on 14<sup>th</sup> November 1956 at Yelivala village of Soraba taluk, Shivamogga district. He completed Primary and Higher Education in Yelivala and Chikkerur. He has studied the graduation from DRM College of Davanagere and DVS College of Shivamogga. It is a matter of great pleasure to all of us to note that he has his base from Shivamogga, borne and brought up as well as studied here, our University, UAHS, Shivamogga cherishes his link with malnad region of Shivamogga. We are proud to have him as Agriculture Minister with wide ranging experience in the field of Agriculture, Police and Film career. He has served the Karnataka State Police Services from 1979 to 2003 as Sub-Inspector and Inspector capacity. Shri B. C Patil is talented richly since his childhood days and he is popular in the film world as well.

In 2004, he contested for Karnataka State Assembly Election from Hirekurur assembly constituency and won the election. He won the election during 2008, 2018 and 2019



and became MLA for the fourth time from Hirekuru constituency. Recently, he has assumed the charge of Minister of Agriculture. He is very active, enthusiastic and has a great concern for Agriculture in general and farmers in particular. I feel proud to share that with the encouragement and support of our Hon'ble Agriculture Minister, we can take our University to a new height.

**Sir, on behalf the University, I heartily welcome you as Pro-chancellor to the 5<sup>th</sup> Convocation of University.**

It is my great honour to welcome our chief guest Prof. Ramesh Chand, the currently member of NITI Aayog and Fifteenth Finance Commission (In the Rank and Status of Union Minister of State), Government of India New Delhi. He has a Ph.D in Agricultural Economics from Indian Agricultural Research Institute (IARI), New Delhi. He is a Fellow of National Academy of Agricultural Sciences and Indian Society of Agricultural Economics. Prof. Chand has over three decades of experience in research and teaching in the field of agricultural economics and policy. He has been involved in policy formulation for agriculture sector for the last two decades. Prior to Joining NITI Aayog, he was the Director, National Institute of Agricultural Economics and Policy Research, (NCAP) New Delhi.

Prof. Ramesh Chand is also the Member of Board of Trustees (BOT) of CIMMYT (International Maize and Wheat improvement Center), Mexico and the Policy Advisory Council (PAC) of the Australian Centre for International Agricultural Research (ACIAR), Canberra, Australia

In the past, Prof. Ramesh Chand has worked in senior



academic positions as ICAR National Professor; Professor and Head, Institute of Economic Growth, Delhi University; and Professor at Punjab Agricultural University, Ludhiana. Prof. Chand has been a Visiting Professor at University of Wollongong, NSW Australia and at Institute of Developing Economics, Chiba Shi, Japan. He has also been a consultant with International organizations such as FAO, UNDP, ESCAP, UNCTAD, Commonwealth and World Bank.

Prof. Ramesh Chand has chaired important committees on Food and Agricultural Policy set up by various Ministers of Government of India. He has served as India's nodal officer for agriculture for SAARC for seven years and represented India in meeting of G20, UNESCO.

Prof. Ramesh Chand has authored seven books and published more than 150 research papers in reputed National and International journals in the areas of agriculture-production, growth, development policy, farmers issue, markets and trade.

Prof. Ramesh Chand has been awarded with ICAR Jawaharlal Nehru Award (1984) and Rafi Ahmad Kidwai Award (2006) of Indian Council of Agricultural Research. He was the President of the 2016 Annual Conference of the Indian Society of Agricultural Economics held at Mumbai, India, President of the Agricultural Economics Research Association (AERA) held at NDRI, Karnal, India and President of the Indian Economics Association, 2019.

**Sir, we are extremely delighted to have your presence and I heartily extend our most cordial welcome to you. This august gathering is enthusiastically and eagerly waiting to listen to your enlightening learned convocation address.**





I also extend a warm welcome to the Hon'ble Members of the Board of Management of the University, the esteemed Members of the Academic Council, Former Vice-Chancellors, Deans and Directors, Former officers and Members of Board of Management, Distinguished invitees, Esteemed Donor members of faculty, Employees, former staff members and representatives of Print and Electronic media. I feel immensely happy to extend a warm welcome to our dear graduating students taking degrees and their proud parents to grace this wonderful occasion.

**I consider it as a privilege to present a brief report of the Accomplishments of the University.**

University of Agricultural and Horticultural Sciences, Shivamogga is the first integrated University in the State of Karnataka which has Agricultural, Horticultural and Forestry Sciences under its preview. The University started functioning from 21<sup>st</sup> September, 2012 through a Special Gazette notification of Karnataka (Act No. 38 of 2012) and came into independent existence with effect from 1<sup>st</sup> April, 2013.

It was carved out by separating districts viz. Shivamogga, Davanagere, Chickamagaluru, Udupi, Dakshina Kannada, Kodagu and Chitradurga from the jurisdictional area of University of Agricultural Sciences, Bengaluru and University of Horticultural Sciences, Bagalkot.

The University has six educational institutes at Shivamogga, Mudigere, Ponnampet, Hiriya, Kathalagere and Brahmavar, one Main Agricultural and Horticultural Research Station Iruvakk, four Zonal Agricultural and



Horticultural Research Stations at Shivamogga, Hiriya, Mudigere and Brahmavar and nine Agricultural and Horticultural Research Stations at Kathalagere, Ullal, Thirthahalli, Ponnampet, Madikeri, Sringeri, Bavikere, Honnavile and Kademadkal; University has four KVKs located at Shivamogga, Chitradurga (Hiriya), Chikkamagaluru (Mudigere) and Udupi (Brahmavar) and two Extension Education Units at Kathalagere and Ponnampet functioning effectively to solve the various problems of the farming community.

## Programmes and achievements

### Education

- ◆ During the present 5<sup>th</sup> convocation, 245 Undergraduate Students (B.Sc. Agri., Hort. & Forestry), 86 Masters degree Students and 13 Ph.D students are being awarded with their degrees in Agriculture, Horticulture and Forestry. Out of these, 7 B.Sc. Students are being awarded with 13 gold medals, 8 M.Sc. students with 8 gold medals and 4 Ph.D. students with 5 gold medals, with a total of 26 gold medals shared by 19 students.
- ◆ The University has secured 2<sup>nd</sup> highest position in **ICAR-JRF Scholarships in Horticulture and Forestry at All India Level**, and for which University has been awarded by Shri Radha Mohan Singh, Hon'ble Union Minister for Agriculture and Sri G.S. Shekhavath, Hon'ble Central Minister for Social Welfare, New Delhi in an award function held on 31-01-2019 at New Delhi.
- ◆ 25 students have secured ICAR JRF during 2018-19. The CoA, Shivamogga got 12 ranks, CoH, Hiriya got 12 ranks and CoF, Ponnampet got 1 rank. In ICAR SRF



Exam, CoH, Mudiger got 7 ranks, COA, Shivamogga got 6 ranks. Sachin K. S., Shilpa Cherian, Narendra V. N., Sujaina M. Goutham Chand and Himabindu from CoA, Shivamogga, Ruchita T., Lakshminkanth K. H., Shilpa Mukundan P. V., Krishna G., Asha A. B., Shreelakshmi S. and Mahanthes Y. from CoH, Muidigere were selected for SRFs. Further, 11 students obtained ICAR NTS PG during 2018-19 i.e., CoA, Shivamogga got 04 Nos, CoH, Hiriyur got 2 No's and CoF, Ponnampet got 5 No's. I congratulate all these students during this occasion. Further, I am proud to say that our students Dr. Jayalakshmi, Dr. Harish and Dr. Gobu have been selected as ICAR Scientists through ARS examination conducted by ASRB.

- ◆ The ICAR ranking of UAHS at All India level jumped from 51<sup>st</sup> rank in 2018-19 to 21<sup>st</sup> rank in 2019-20 three folds jump and 2<sup>nd</sup> rank at the Karnataka state level ranking framework with 4 star. This is due to the untiring and concerted efforts of faculty, staff and students, for which we are proud of them.
- ◆ This year UAHS Shivamogga took the lead and conducted common admission test for M.Sc., Ph.D. and UG (lateral entry) degree programs for all six farm universities in Karnataka for the year 2019-20. A Complete on-line admission process was adopted and completed successfully in a transparent way.
- ◆ During 2019-20, 433 students got admission for different UG degrees, 107 students for different PG degrees and 74 students for Diploma(Agri.) in our University.



- ◆ During the 20<sup>th</sup> All India Inter Agricultural Universities Youth Festival held from 8<sup>th</sup> to 12<sup>th</sup> February-2020, at Indira Gandhi Krishi Vishwavidyala, Raipur, Chhattisgarh, our students Harshel Suares got first Place in Elocution and third Place in Patriotic Song, Shwetha S. got fourth place in Collage and Priyanka Y. got fourth Place in Rangoli.
- ◆ Kumari Shweta S., II B.Sc (Forestry) participated in Youth Exchange Programme-2019 which was held from June 30<sup>th</sup> to July 10<sup>th</sup>, 2019 in China and I am very proud to say that she was the only student to have represented from India.
- ◆ Mr. Bhaganna Haralayya, student of Ph. D of our University participated in the 17<sup>th</sup> EUCARPIA MEET held at Avignon of France from September, 11 to 13, 2019.
- ◆ Our student Sudanshu Shekhar bagged 2 Bronze Medals for the poster presentation and drawing competition in the 19<sup>th</sup> All India Inter Agricultural Universities Youth Festival which was held from 13<sup>th</sup> to 17<sup>th</sup> February, 2019 in Sardar Krishnanagar Agricultural University, Banaskantha District, Gujarat.
- ◆ The students of UAHS, Shivamogga won the II prize (Runners) in State level (Golden Jubilee) Suvarna Mahosthava Youth festival which was organized at NSS sports complex, Rajiv Gandhi University of Health Sciences, Bangalore from 10-09-2019 to 14-09-2019 wherein 22 Universities participated, and also bagged Overall Champions (I Place) with a cash prize of 20000 in one day State level Golden Jubilee Cultural integration Youth festival organized by Youth





Empowerment and Sports Department, Government of Karnataka at Gandhi Bhavan, Bangalore held on 23-09-2019 in the eve of Golden Jubilee celebration of NSS. UAHS also bagged III place in the NSS exhibition out of the 22 Universities participated.

- ◆ Mr. Syed Ali, IV year B.Sc.(Forestry) student presented a research paper entitled: "Soil and Water Conservation Measures for Landslide Affected Areas in Kodagu District" at International Conference on Biodiversity and Environmental Management 2019 on 25<sup>th</sup> - 26<sup>th</sup> November in Colombo, Sri Lanka. He received the Best Paper Presentation award for the same.
- ◆ Ms. Kshama Korpade participated in the 4<sup>th</sup> Elite Women's National Boxing Championship 2019 held at Kannur, Kerala from 2<sup>nd</sup> to 8<sup>th</sup> December, 2019 in 69 kg weight category and was recognised as one of the best boxers from Karnataka.
- ◆ The College of Forestry, Ponnampet bagged the overall championship in the youth festival held at College of Horticulture, Mudigere from 09-12-2019 to 10-12-2019.
- ◆ Ms. Vidyashree, A. S., Department of Agricultural Entomology, CoA, Shivamogga has been awarded ICAR Jawaharlal Nehru Best Thesis Award in the year 2019 at National level for her outstanding contribution.
- ◆ International Women's Day was organized by the UAHS, Shivamogga on 20-03-2019. The programme was inaugurated by Dr. H.M. Anupama, a famous Doctor and Writer, Kavalakki, Honnavar of Uttara Kannada district.



- ◆ Seventh Inter-collegiate Youth Festival was held on 09<sup>th</sup> and 10<sup>th</sup> December 2019 at College of Horticulture, Mudigere. The First Place was secured by College of Forestry, Ponnampet, Second Place by College of Agriculture (UG), Shivamogga and Third Place by College of Agriculture (PG), Shivamogga.
- ◆ Diversified climate and land resources are seen in the jurisdiction of UAHS Shivamogga. Hence, there is a wide and diversified opportunity to carry out the PG research. Presently, our University has PG programmes in Agriculture, Horticulture and Forestry faculty operating 16 M.Sc. and 6 Ph.D. programs. During this year, 90 M.Sc. students and 17 Ph.D. students have enrolled in various PG degree programs.
- ◆ New Post Graduate degree programs viz., M.Sc. (Forestry) in Natural Resource Management and Ph.D. in Silviculture and Agroforestry have been started from the academic year 2019-20 at College of Forestry, Ponnampet.
- ◆ The PG Research Centre at Bavikere was further strengthened with conveyance to students to facilitate PG research.
- ◆ The Post Graduate Research Conference - 2019 was organized as a platform to kindle interest among young scientists on 20<sup>th</sup> May 2019. The conference was inaugurated by Dr. N. S. Rathore, DDG, ICAR, New Delhi, Dr. C. L. L. Gowda, Former DDG, ICRISAT released the compendium of research papers of PG research conference. Fourteen Ph.D. students and ninety five M.Sc. students of UAHS, Shivamogga presented their research findings during the conference.



- ◆ The University has organized National Conference on **“Biodiversity and Plant Genetic Resources Conservation for Future”** on March 15<sup>th</sup> and 16<sup>th</sup>, 2019. Dr. Ashok Dalawai, IAS, CEO, National Rainfed Area Authority, GOI, New Delhi inaugurated the Conference. 150 Scientific Faculty, M.Sc. and Ph. D students participated in this programme.
- ◆ University organized **“Faculty development programme for increasing efficiency and effectiveness in teaching research and extension”** for five days from 4<sup>th</sup> to 8<sup>th</sup> February, 2019 in collaboration with ICAR-NAARM, Hyderabad for the faculty of the University. Dr. Mruthyunjaya, Former National Director NAIP-ICAR, New Delhi inaugurated the programme and gave the key note address.
- ◆ University successfully organized a **National Conference on “Agricultural Science in Indian Ancient Literature”** on 28<sup>th</sup> and 29<sup>th</sup> December, 2019. The Conference was inaugurated by Dr. Ashok Dalwai, IAS, Chairman, Committee on Doubling of Farmers' Income, Ministry of Agriculture and Farmer Welfare, New Delhi with participation of over 200 scientists from different states of India.
- ◆ The **“Centre for Climate Resilient Agriculture (CCRA)”**, UAHS, Shivamogga organized five days training programme on **“Climate Change: Impact Assessment and Adaptation through Climate Resilient Agro-Techniques in Agriculture and Allied Sectors”** from 13<sup>th</sup> to 17<sup>th</sup> January, 2020 at Shivamogga. Dr. H. C. Sharma, Former Vice chancellor, Dr. Y. S. Parmar University of Horticulture and Forestry, Solan,



Himachal Pradesh and Fellow ICRISAT inaugurated this programme.

- ◆ National Conference on **Sustainable Natural Resources Management: An Engineering Perspective** was organised at College of Forestry, Ponnampet on 28<sup>th</sup> and 29<sup>th</sup>, January, 2020. Dr. M. B. Chetti, Honourable Vice Chancellor, UAS, Dharwad inaugurated the programme with a participation of 150 Scientists.
- ◆ The ZAHRS, Shivamogga organised National Training on **Impact of climate change on emerging nematode problems in protected cultivation, horticulture nurseries and their Management** from February, 04<sup>th</sup> - 08<sup>th</sup>, 2020. Dr. Niranjana, Former Vice Chancellor, Gulbarga University inaugurated the programme.
- ◆ College of Agriculture, Shivamogga organized 10 days programme from February 20<sup>th</sup> to 29<sup>th</sup>, 2020 on **Plant Growth Promoting Rhizomicrobial Research**. Dr. A. N. Mukhopadhyay, Former Vice Chancellor, Assam Agricultural University inaugurated the programme and presented a key note address.
- ◆ Libraries in the University are well equipped with good number of collections (24,618 books, 509 e-books, 326 thesis, 66 periodical, 268 bound journals, 91 educational compact disk) to provide a gate way for students and faculty to access various resources both in print/physical and digital forms. In addition to the above facilities, all the libraries have digital library facility with CeRA connectivity. Further, the University library located at Shivamogga has been taken to the level of fully





digitalization by establishing RFID & Koha software for library management in the libraries of different campuses under UAHS.

### Research

**Several technologies have been generated for the benefit of farming community.**

- ◆ A High yielding rice variety, medium plant stature with dark green foliage without any pigmentation, **Sahyadri Megha** suitable for *kharif* and summer is recommended for southern transitional zone (Zone-7). It is of short duration (120 days) with bold and red grains, without awn and pigmentation. It contains high protein (12.4%) with a grain yield of 70 q/ha and is moderately resistant to blast and udbatta diseases.
- ◆ A High yielding flood tolerant red rice variety, **Sahyadri Panchamuki (IRGA-318-11-6-9-2B)** for *Kharif* is suitable for low lands is recommended in the coastal zone. It is of midium duration (130-135 days) medium bold red rice variety with a grain yield of 50-55 q/ha. It is highly tolerant to blast and brown spot diseases and resistant to gall midge.
- ◆ Cowpea Variety **Sahyadri Yukthi (UAHS-28)**, suitable for late *kharif* and summer season is recommended for southern transitional zone. It is a medium bold, early vigour, having short stature and grown well in limited moisture conditions, matures in 80-85 days and gives an yield of 12-13 q/h. It is tolerant to rust disease.
- ◆ The Flue cured tobacco variety **Sahyadri Tobios - 6 FCV tobacco** has been approved for release for Karnataka light soils. It yields 15 percent more cured leaf yield



over the check variety, Sahydri and 18 per cent over Kanchan. It is relatively drought tolerant, moderately resistant to black shank, frog eye leaf spot and root knot nematode possessing good quality characters.

- ◆ During 2009 released Rice variety **KHP-10 (IET - 7991)** has been notified by the Protection of Plant Varieties and Farmers' Rice Authority (PPV & FRA) under the act 2001- 39 (2) at New Delhi. It is very proud to inform that this is the first variety registered under Protection of Plant Varieties and Farmers' Right Authority (PPV & FRA) at New Delhi.
- ◆ A sunflower early hybrid **KBSH-78** is endorsed to release for Central Dry Zone and Southern Transitional Zone. It matures in about 85 days and gives an yield of 10-12 q/h (under rainfed) and 20-25 q/ha under irrigation. The oil yield is 900-950 kg/ha, the crop is having a medium plant height, sturdy and erect plant type with very good appearance.
- ◆ The two rice varieties '**Sahyadri Megha**' and '**Sahyadri Panchamuki**' have been also released for cultivation in the 38<sup>th</sup> Meeting of the State Seeds Sub-Committee held on 12.02.2020 at Bangalore.
- ◆ Sixteen technologies pertaining to crop improvement, Crop Production, Crop Protection, Mechanization, value addition for both Agriculture and Horticulture crops have been included in the Package of Practices and fourteen technologies have been recommended for Farm Trials to test them in Farmers Field.
- ◆ During the year under report, a grant of **779.96** lakhs was mobilized under externally funded projects for



implementing 202 research projects from Government and other Non Governmental funding agencies. The Projects under GoK and other Adhoc (Including research and development, ZBNF, DCCD, DASD ) are under progress.

- ◆ Forty six New Research programmes ( 233.00 lakhs) and Nineteen Continued Research programmes (.93.00 lakhs) received from Government of Karnataka are under progress. Out of which, Identification and development of short durational and drought tolerant rice variety for climate resilient agriculture, Development of high yielding short durational, resistance to YMVS in Blackgram genotypes through hybridization and mutation, Development of biomass briquetting techniques for effective utilization of tree resources on farmland, Development and evaluation of native plant growth promoting *Azospirillum* and Pink Pigmented Bacterial (PPB) consortia for healthy maize production in Malnad region of Karnataka, Sewage Water Utilization For Crops In Conjunctive Mode, Establishment of bioagents (*Trichoderma*) production unit, Establishment of Cashew Processing and Value Addition Centre at UAHS, Shimoga, Evaluation of production and survival performance of channa fish in different water storage ponds of hill zone”, Utilization of black soldierfly in organic solid waste management, Infrastructure development and model rearing house in sericulture, Assessing the impact of climate change on vegetable crops are the important ones.



- ◆ Under RKVY three research projects with a budget outlay of .150.00 lakhs have been recommended by the GoK
  - ◆ As an encouragement to young scholars, the monthly fellowship of . 4000 and . 6000 has been allotted to Post graduate and Doctorate Students under 66 Staff Research projects.
  - ◆ All India Coordinated Research Projects viz., AICRP on Rice at Ponnampet and Brahmavar, AICRP on Farming Systems Research at Kathalagere, AICRP on Cardamom at Mudigere, AICRP on Palms (Areca nut) at Bavikere and Honnavile, AINRP on Tobacco at Shivamogga, AINRP on Onion and Garlic at Hiriyur, AICRP on Agro-Forestry at Ponnampet, AICRP on Millets at Hiriyur, AICRP on Maize at Kathalagere are in operation.
  - ◆ We are pleased to inform you that four Centres of Excellence have been initiated in the University campus at Shivamogga
1. **Centre of Excellence on Pesticide Residue Testing for Monitoring and Assuring Quality of Soil, Water and Food** is established under the financial assistance of Rs. 250.00 lakhs by RKVY and GoK Plan Grants.
  2. **Centre of Excellence for Diagnosis of Plant Diseases and Pests** to create diagnostic awareness among the farmers, extension workers, developmental departmental staff and students about the pests, diseases and abiotic stresses of agricultural and horticultural crops with a budget outlay of Rs.80.00 lakhs from RKVY.
  3. **Centre for Climate Resilience Agriculture** for generating technologies and practices for Climate Smart





Farming is established to strengthen the research on Climate Resilient Agriculture with a budget of Rs.132.00 lakhs by RKVY and GoK Plan Grants.

**4. Farm Machinery Training and Testing Institute(FMTTI)** has been established in the Zonal Agricultural and Horticultural Research Station, Hiriya, waiting to receive the accreditation by the Govt. of India to start its functioning. This is a big boon for testing of machineries and to facilitate mechanization.

- ◆ The project funded by GoK on Zero Budget Natural Farming (ZBNF), to undertake evaluation of low-input, climate-resilient type of farming using locally-sourced inputs, encouraging natural farming, is initiated by Karnataka State Department of Agriculture in partnership with Universities. This project is being operated by the university in about 6000 ha farmers field involving 9659 farmers covering three zones of Karnataka viz., Central dry zone, Southern transition zone and Coastal zone with a total budget outlay of 416.69 lakhs.
- ◆ Production of green fodder through hydroponic has been taken up in three research stations of the University viz., Shivamogga, Hiriya and Brahmavar.
- ◆ University has got the Patent number from Government of India for Mini Hand Operated Groundnut Sheller developed by Zonal Agriculture and Horticulture Research Station, Hiriya.
- ◆ The coffee spreaders and rakers developed by the University is becoming popular among coffee growers in Mudigere and Coorg regions of Coffee belts.



- ◆ Seed Unit and Poly Houses have been established at AHRS, Madikeri to under take research on exotic vegetable and flower crops under protected cultivation.
- ◆ Seed Production activities of the University are carried out by the Seed Unit, UAHS, Shivamogga in all the research stations and also in progressive farmers fields under participatory seed production programme. During the year, 10272.03 q seed production has been taken up which includes seeds of 10016.57 cereals, 86.96 q pulses and 168.50 q of oil seed crops. The University is having seed production target of 16325q during the year 2019-20.
- ◆ During the last three years, the University produced and distributed 19 lakh quality planting materials of horticultural crops, the target for the next year is 16,61,500.
- ◆ Organic Farming Research Centre has produced 145.64 q of bio fertilizer and bio control agents to distribute to farmers for encouraging eco-friendly farming and earned an income of Rs. 14,58,900 and has also sold 1.270 kgs of Honey through the honey processing unit. All the products of the University are being sold under the **Sahyadri Brand Name**.
- ◆ University has evaluated/tested 20 new chemicals/ molecules for the control of pests/ diseases/ weeds, growth regulators and agricultural equipments and generated a revenue of 38.00 lakhs.
- ◆ Cashew Nursery of Agricultural and Horticultural Research Station, Ullal, Mudigere and Bavikere have been accredited by DCCD, Cochin, Kerala. Ullal Cashew Nursery has been accredited with three stars and Mudigere and Bavikere Cashew nursery with four Stars.



- ◆ Our Scientist in collaboration with Karnataka Forest Department have undertaken whole tree transplanting of 23 native tree species from Western Ghats at the New Iruvakkki Campus to avoid tree felling and encourage afforestation. The move has been hailed by the public and the citizens around the campus.

#### **MoUs**

**Our University has established the MoUs with the following Institutes during the year 2019-20**

ICAR-National Bureau of Plant Genetic Resources, Krishi Bhavan, Pusa Campus, New Delhi, ICAR-Central Plantation Crops Research Institute, Kasaragod, Kerala, M/s. Cultiva Agri Tech, Private Limited, Bengaluru, University of Agricultural Sciences, Dharwad, University of Agricultural Sciences, Raichur, University of Horticultural Sciences, Bagalkot, The Institute of Forest Genetic and Tree Breeding, Coimbatore, ICAR-Indian Institute of Spices Research, Kozhikode, Kerala.

#### **Extension**

- ◆ Our Directorate of Extension has sent 32 modern technological information to 11,420 farmers through text messages and to 31,545 farmers through voice messages for dissemination Agricultural technologies in collaboration with Reliance.
- ◆ University has collected 5000 mobile numbers of the farmers visiting our KVKs and other wings for different trainings, workshops and soil and water testing, and is sending Agricultural technological information through SMS to these 5000 farmers through M-Kisan portal through text/ voice messages.



- ◆ The newly released “Raitha Nadi App” from University of Agricultural and Horticultural Sciences, Shivamogga. It is very useful for stake holders such as farmers, students, entrepreneurs and public. It consists of Agriculture (Maize and Paddy), Horticulture (Areca and Cashew), Forestry (Sandalwood and Bharna Bamboo), Fisheries and Animal Husbandry menu describing comprehensively the required information on agricultural and horticultural crops, forestry, animal husbandry and fisheries activities. It is also provided with the facility of chatting and conversations of farmers with University experts to clarify the doubts about crops and animal husbandry. It is decided to add more crops, agricultural machineries and equipments to this App in future.
- ◆ This year the region witnessed initial drought, followed by heavy flood witnessing a huge loss of property, crops and resources. Keeping this in view, the University has organized seminar on “**Agriculture Technology for Mitigating Flood and Drought**” on 06<sup>th</sup> November-2019, and the programme was inaugurated by Dr. Veerabhadrappe, B.P., Hon’ble Vice Chancellor of Kuvempu University, Shivamogga. Dr. B. R. Hegde and Ashok Reddy were the resource persons.
- ◆ Annual Review workshop of KVKs of Zone XI was held at KVK Mudigere from 14<sup>th</sup> to 16<sup>th</sup> of May, 2019. Dr. Ranadeer Singh, the Assistant Director General (Agril Extension), ICAR-New Delhi and Dr. S. Rajendra Prasad, Hon’ble Vice-Chancellor, UAS, Bangalore laid foundation stone for New Administrative building of KVK, Mudigere sponsored by the ICAR, New Delhi.





- ◆ **Jalashakthi Abhiyana programme was conducted at KVKs Chitradurga, Chikmagalur and Davanagere district to emphasize the judicious use of water** with a theme of “**per drop more crop**”. Nearly 2000 farmers participated in the programme.
- ◆ **Eight different Vocational, Skill oriented Training programmes** were conducted for farmers and Extension Personnels on Scientific sheep and Poultry farming, Bee keeping, Bakery Products preparation, Entrepreneurship development programme, Integrated crop management in Onion, income generation activities in Horticulture for rural youths.
- ◆ Our University scientists are providing technical information to the farming community daily through **Negila Miditha** and **Krusha Sampada** special Programmes which are being broad casted through All India Radio, Bhadravathi and Chitradurga.
- ◆ During the current year, 8277 soil samples were tested comprising 8134 farmers and the 2129 water samples were tested from 1499 farmers in our soil and water testing laboratories. Totally 9633 farmers were the beneficiaries of the programme.

**New Programmes undertaken during 2019-20 in KVKs**

1. Demonstration Cum training for farmers of coastal district on coconut dried fronds for compost and vermicompost production
2. Popularization of Areca Waste Decomposition (Husk/Leaf/Leaf Sheath) for Value Added Compost
3. Demonstration cum training on Production of different quality carps and colour fish fingerlings in indoor rearing system



4. Promotion of Short duration finger millet variety ML-365 as contingent crop
5. Demonstration of Rubber based cropping system with cocoa, coffee and pepper
6. Establishment of mother block unit for the production of quality planting material at KVK, Mudigere
7. Establishment of crop technology and IFS demonstrations units in farmers fields in participatory mode: Demonstration of crop and IFS technologies in the farmer fields at taluk level through participatory mode has enabled the nearby farmers to participate and adopt the technologies. This was achieved through identifying two enthusiastic farmers to demonstrate the crops and IFS technologies in each taluk.

#### Administration

- ◆ University has established the Administrative Office entrusting the responsibilities of day to day administration of UAHS, Shivamogga since 1<sup>st</sup> January 2020
- ◆ Four Professors have been promoted as Professors (HAG) on 26.10.2019 and 10.12.2019
- ◆ Sixteen teachers were promoted under CAS-2006.
- ◆ Two Messenger posts and one Assistant post have been appointed on compassionate ground.
- ◆ The notification has been made for the recruitment of 9 posts of Officers in the University on 17.12.2019
- ◆ During the year the UAHS, Shivamogga has organized five meetings of Board of Management and the following policy decisions were made:
  1. Empanelment of Legal consultants to the University.



2. Release of Rs.20.00 crores as per the conditions of the MoU and to release the subsequent amount in installments depending upon the progress of the construction work to KHB for the development of civil structures at New campus, Iruvakkki.
3. Establishment of Farm Machinery Testing and training Institute at ZAHRS, Hiriur.
4. Establishment of Administrative Office at UAHS, Shivamogga.
5. Permission to issue Notification for recruitment of Officers posts.
6. Enhancement of remuneration to PG students serving as Graduate Assistants.
7. Submission of DPR for proposed development of main campus and various infrastructural facilities at UAHS, Iruvakkki, Shivamoga under Phase II.
8. Proposal to adopt the common Statute of the Farm Universities under UAHS Shivamogga
9. To institute the incentive to the ICAR Jawahar Lal Nehru Awardees for PhD thesis.
10. Enhancement of the University Resident Merit Scholarship amount for M.Sc. & Ph.D. students.
11. Cash incentive to Scientists / Teachers for quality publication in high rated Journals of NAAS.
12. Purchase and distribution of laptops for 1<sup>st</sup> year UG and PG Students of SC and ST under SCSP and TSP Scheme
13. Permission for distributing Rs. 30,75,347/- as Production incentive to the farmers under NFSM Pulse Mission Seed Production Programme 2017-18.
14. Starting Academic session at Iruvakkki campus for 2020-21.



### Awards and Recognitions

- ◆ Dr. Lakshmana, Professor of Horticulture, AHRS, Ullal was conferred with IASR Excellence Award by the International Academy of Science and Research Kolkata on the occasion of "International Multidisciplinary Research Conference on Bio-Diversity, Climate Change and life Sciences" held on 29<sup>th</sup> July 2019.
- ◆ Dr. Jyoti M. Rathod, Scientist (Home Science), ICAR-Krishi Vigyan Kendra, Shivamogga received "Sardar Patel Glocal Award" from Glocal Environment and Social Association (GESA), New Delhi during International conference held at FDDI (Ministry of Commerce and Industry, Govt of India), Amethi (U.P) on 20<sup>th</sup> October 2019, Best Extension Scientist Award-2019 from Agricultural and Environmental Technology Development Society (AETDS), U.S.Nagar, Uttarakhand, India during International Conference held on 1<sup>st</sup> - 2<sup>nd</sup> December, 2019, and Best Oral Presentation award at International Conference held at ICAR-JSS KVK, Mysuru during 14<sup>th</sup> - 16<sup>th</sup> December, 2019.
- ◆ Dr. B. C. Hanumanthaswamy, Senior Scientist and Head, ICAR-Krishi Vigyan Kendra, Shivamogga received Best Poster Presentation award at International Conference on Extension held at ICAR-JSS KVK, Mysuru during 14th - 16th December, 2019.
- ◆ Dr. Jayalaxmi Narayan Hegde, Professor of Agricultural Entomology and Editor, UAHS, Shivamogga has been awarded with NESAFellowship of the Year Award - 2019 by National Environmental Science Academy, New Delhi during International Conference held at





Visveswaraiah Technological University,  
Chikkaballapur on 19-12-2019.

- ◆ Dr. M.K. Naik, Hon'ble Vice Chancellor, UAHS, Shivamogga has been awarded with B.B. Mundkur Memorial Award 2019, a national award for his outstanding work on "Exploring potentials of PGPM in sustainable crop disease management" during 7<sup>th</sup> International Conference on Phytopathology in achieving United Nations Sustainable Development Goals held at ICAR-IARI New Delhi from 16<sup>th</sup> to 20<sup>th</sup> January 2020.
- ◆ During the 7<sup>th</sup> Foundation day of University, Best Teacher Award was presented to Dr. G.M. Devagiri, Best Researcher Award to Dr. H. Ravindra, Best Extension Scientist Award to Dr. Naveen. N.E, Best Farm Superintendent Award to. Dr. G. N. Hosagoudar, Best Employees Award to (A-B category) Mr. Manikanta, Best C category Employee Award to Mr. B.S. Kumar and Mr. Mahesh and Best D category Employee Award to Mr. Jaru, Poojary as recognition of University talent.

#### Foreign visits

- ◆ Dr. C.G Kushalappa, Dean Forestry, College of Forestry, Ponnampet has participated in the Fourth World Agroforestry Congress which was held from 20<sup>th</sup> to 22<sup>nd</sup> May 2019 at France.
- ◆ Dr. Gangaprasad, S, Professor & Head, Department of Genetics and Plant Breeding, CoA, Shivamogga attended a short course on "Plant Breeders' rights for food security and economic development" at Wageningen University, Netherlands from 17.06.2019 to 28.06.2019. He is also awarded with Orange



Knowledge Fellowship by Government of Netherlands to attend this short course

- ◆ Dr. Narayan S. Mavarkar, Professor of Agronomy, Dr. Thippesh, D, Professor of Horticulture, Dr. Thippeshappa G.N, Professor of Soil science and Agril. Chemistry, Dr. M.S. Nandish, Assistant professor of Microbiology and Dr. Ganapathi, Assistant Professor of Soil science and Agril. Chemistry participated in the First International Conference on Food, Agriculture and Innovation held at Bangkok, Pattaya Thailand from 19<sup>th</sup> to 23<sup>rd</sup> June – 2019. They have also bagged the following awards
  1. Dr. Narayan S. Mavarkar – Best Oral Presentation & Best Agronomist Award
  2. Dr. Thippesh, D - Best Oral Presentation Award
  3. Dr. Thippeshappa G.N. - Outstanding Soil Scientist Award
  4. Dr. M.S. Nandish – Best Researcher and Best Oral Presentation Award
  5. Dr. Ganapathi – Best Poster Presentation Award
- ◆ Dr. N.E. Naveen, Scientist (Agronomy) ICAR- Krishi Vigyana Kendra, Brahmavar participated and presented a paper in the 27<sup>th</sup> APWSS International Conference which was held from 3<sup>rd</sup> to 6<sup>th</sup> September 2019 at Kuching Sarawak, Malaysia

#### **Financial Assistance**

#### **Development of New Campus**

The University of Agricultural and Horticultural Sciences, Shivamogga is a unique university established in the year 2012. This is the only integrated university



involving Agriculture, Horticulture and Forestry Science in the State of Karnataka. This university caters to the needs of farmers of Malnad, coastal and plains of seven districts of Karnataka (Shimoga, Chickamagalur, Dakshinakannada, Udupi, Davanagere, Chitradurga and Coorg). The Government of Karnataka has allotted 787.03 acres of revenue land to develop university Head Quarter in Sagar Taluk, Anandapura Hobli, Iruvakk village. The said land is located centrally in equidistance from different taluks of Shivamoga namely Sagara, Shikaripur, Shivamogga, Hosanagara, Thirthahalli and Soraba. In the first phase, Government of Karnataka has allocated Rs.155.3377 crores to establish an Administrative block, four Academic blocks, Boys hostel, Girls hostels and Library. The said buildings are almost complete and will be handed over to the University shortly. The Government intends to start the academic activities in Iruvakk campus during the forthcoming academic year. The location of the campus is 45 Km away from Shivamogga town. The teaching staff, scientists and other employees need to be housed in the campus to make it operational on a full-fledged basis. It is necessary to take up the balance works such as staff quarters, Guest house, Hospital block, Play ground Stadium, Auditorium, UG class, Human resource development block and Canteen. In this regard the proposal has been submitted to the Government of Karnataka for Rs.245.00 crores to establish a model and unique University center in the field of Agriculture, Horticulture and Forestry Sciences in the state. The administrative approval and financial sanction for proposal is awaited shortly.



During the current financial year, the Government of Karnataka has allotted Rs.7308.00 lakhs releasing a grant of Rs.7203.50 lakhs and ICAR has released as 1<sup>st</sup> instalment Rs.156.70 lakhs for Strengthening of Education, Rs.26.00 lakhs for Strengthening of Library, Rs.127.08 lakhs for Experiential Learning Programme of students, Rs.450.00 lakhs for Krishi Vigyana Kendras and Rs.150.00 lakhs for AICRP projects. Apart from these grants a sum of Rs.500.00 lakhs has been mobilized from external funding agencies through Adhoc projects of GOK, GOI, ICAR, Sujala Project of World Bank and other private agencies.

**My dear Graduating students,**

On the midnight of August 14-15, 1947, the day India became Independent and entered in to tryst with destiny our first Prime Minister Pandit Jawaharlal Nehru emphasised **“Everything can wait but not Agriculture”**.

Our former Prime Minister Lal Bahadur Shastri gave a clarion call **Jai Jawan, Jai Kissan** from the portals of the Red Fort, further former Prime Minister Atal Bihari Vajapayee added **Jai Jawan, Jai Kissan, Jai Vigyan**, emphasising the importance of Science in Agriculture which should be an inspiration to graduating students.

On this auspicious occasion when you walk out of the portals of this University, we are pleased to dedicate you all to the cause of the nation. When we celebrate the 150<sup>th</sup> Anniversary of Father of the Nation, you recall the sacrifices of great leader for upholding the values of human life, use your knowledge and skill in agriculture to build a strong,





powerful and peaceful Mother India, free from hunger and malnutrition.

I conclude my speech by welcoming you all once again to this Convocation.

Thank you very much.

**Jai Hind, Jai Jawan, Jai Kissan and Jai Vigyan**



ರಾಷ್ಟ್ರೀಯ ವಿಚಾರ ಸಂಕರಣ : National Conference



ಸ್ನಾತಕೋತ್ತರ ಸಂಶೋಧನಾ ಸಮ್ಮೇಳನ : PG Research Conference