

# UNIVERSITY OF HORTICULTURAL SCIENCES, BAGALKOT



## UDYANA VARTHE

February to March 2019

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## BI-MONTHLY NEWSLETTER

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### Vice-Chancellor's Outlook....



Dr. K. M. Indires

University of Horticultural Sciences, Bagalkot organized the eighth convocation during February. Sri M. C. Managuli, Hon'ble Minister for Horticulture, Government of Karnataka and Pro-Chancellor of the University conferred the degrees to graduating students, while Dr. K. V. Prabhu, Chairperson, PPVFR, New Delhi delivered the convocation address.

Lot of technical events were conducted during the period viz. Board of studies UG and PG, Academic council, Annual Technical meetings, Zonal Research, Extension and Advisory Committee meetings. As an outcome of the Research, many new technologies were developed, seven varieties were approved for release and another seven were identified for adoption. The college day celebrations, training programmes, PG research interactive seminar were also held during the period under report. Some of our colleagues had been abroad to participate in the international events and few got the awards, thus increasing reputation of the University.

### 8<sup>th</sup> Convocation of UHS, Bagalkot



Eighth Convocation of University of Horticultural Sciences, Bagalkot was organized on 27.02.2019. During the convocation, 18 University Gold Medals and 40 Donors Gold Medals were awarded to the eligible graduate and post graduate students. Further 428 B.Sc. (Hort.), 150 M.Sc. (Hort.) and 22 Ph.D. (Hort.) degrees were conferred to the eligible students. **Sri M. C. Managuli**, Hon'ble Minister for Horticulture, GOK and the Pro-Chancellor of UHS, Bagalkot has presided over the Convocation. **Dr. K. V. Prabhu** Chairperson, Protection of Plant Varieties and Farmers' Rights Authority, Govt. of India, Ministry of Agriculture and Farmers Welfare, New Delhi was the chief guest and delivered the Convocation Address. **Ms. Seema Ganapati Hegde**, student of COH, Sirsi emerged as '**Golden Girl**' bagging 17 gold medals. Dr. K. M. Indires, Hon'ble Vice Chancellor, Hon'ble Members of the Board of Management, Members of the Academic Council, Staff and students were present during the convocation. Dr. Y. K. Kotikal, Registrar, mace bearer led the academic procession and took the signature of Pro-Chancellor for the list of graduates conferred during the convocation.





## Interactive PG Poster Seminar on Post-Graduate Research-2019



One day seminar on “Post-Graduate Research -2019 (Extended Abstracts and Posters)” was organized by Directorate of Post Graduate Studies, UHS, Bagalkot on 25.03.2019. The seminar was inaugurated by chief guest Dr. L. H. Malligawad, Dean PGS, UAS, Dharwad and in the inaugural address, he highlighted the importance of selection of experimental field, layout and application of statistical designs and interpreting and analysis of the data with reference to horticultural crops for PG students of UHS, Bagalkot. Dr. M. S. Kulkarni, Dean (PGS), welcomed the guests and spoke on the importance and purpose

of conducting the PG poster seminar- 2019. Dr. K. M. Indires, Hon'ble Vice Chancellor, UHS, Bagalkot presided over the function and in his presidential remarks emphasized that the PG students should come forward and present the poster presentation in large numbers and he also urged the PG students of UHS, Bagalkot to interact with subject matter specialists of different disciplines and to utilize the knowledge of experts for effective planning and implementation of the PG research. The organizers had received a total of 73 abstracts and 34 posters were actually displayed and presented across five themes. All the University officers, teaching and PG students have participated in the seminar.

## Hon'ble Vice-Chancellor at Seed Workshop

Dr. K. M. Indires, Hon'ble Vice Chancellor, UHS, Bagalkot has participated and inaugurated the National Workshop on "Strengthening Seed Production and Distribution System for Enhancing Availability of Quality Seeds" held on 15<sup>th</sup>-16<sup>th</sup> February, 2019 at University of Agricultural Sciences, Raichur.



## Best ICAR-AICRP on Fruits Centre Award



ICAR-AICRP on Fruits, KRC College of Horticulture, Arabhavi received “Best ICAR-AICRP on Fruits Centre” for 2018-19 during 6<sup>th</sup> Group Discussion Meeting held from 14<sup>th</sup> to 16<sup>th</sup> Feb, 2019 at Assam Agricultural University, Jorhat, Assam. The award was given by Dr. W. S. Dhillon, ADG (Horticulture Science), ICAR, New Delhi, Dr. M. R. Dinesh, Director, ICAR-IIHR, Bengaluru and Dr. Prakash Patil, Project Co-ordinator, ICAR-AICRP on Fruits, IIHR, Bengaluru. Dr. Kantharaju V., Dr. S. N. Patil, Mrs. Suhasini Jalawadi and Mr. Siddanna Thoke received the award.



## Annual College and Hostel Day Celebration of COH, Kolar

Tenth Annual College and Hostel Day was celebrated at COH, Kolar on 01.03.2019. The programme was inaugurated by Sri. Manjunatha Gowda, S. N., Hon'ble Member, Board of Management, UHS, Bagalkot. On this occasion, the college magazine "Butti" (ಬುತ್ತಿ) was released. Sri G. Jagadeesh, CEO, Kolar, Sri Bank Janardhan, Film Actor, Dr. Sundar Raj Urs, Professor, Bangalore University, Bangalore and Dr. M. S. Kulkarni, Dean (PGS), UHS, Bagalkot were the chief guests. Students performed various cultural programmes during the occasion. The programme was presided by Dr. B. G. Prakash, Dean, COH, Kolar.



## Training programme on 'Improved cultivation practices of black pepper, turmeric and ginger'



Directorate of Spices and Arecanut Development (DASD) sponsored training programme on 'Improved cultivation practices of black pepper, turmeric and ginger' under CSS-MIDH Project was organized by HEEU, COH, Sirsi at Vyavasaya Seva Sahakari Sangha, Ummachagi, Yellapura Tq. on 07.03.2019. The programme was inaugurated by Dr. Y. K. Kotikal, Director of Extension, UHS, Bagalkot. Chief Guest, Shri Shivanand Kalave narrated the stories of black pepper route to Europe. Dr. D. R. Patil, ADRE highlighted that crores of budget has been sanctioned by DASD, Calicut for development of spices, and a major share has been allotted to Uttar Kannada district. Lectures on 'Improved cultivation practices of black pepper', 'Improved cultivation practices of ginger and turmeric', 'Organic farming practices in spices and plantation crops' and 'Plant protection measures in black pepper' were delivered by Dr. Laxminarayana Hegde, Dr. Vijaykumar B. Narayanapur, Dr. Kantesh Gandolkar and Dr. Manju M. J. respectively. Dr. Shivakumar, K. M. and Dr. Shivanand Hongal participated in the interaction session on spice cultivation. An exhibition on local and special cultivars of black pepper, ginger and turmeric was organized on this occasion.

## Training programme on 'Production Technologies of Major Fruits and Plantation Crops'



COH, Bengaluru in collaboration with Karnataka State Seed and Organic Certification Agency (KSSOCA), Bengaluru organized two days training programme on 'Production Technologies of Major Fruits and Plantation Crops' for the officials of KSSOCA from 11<sup>th</sup>-12<sup>th</sup> Feb. 2019. Dr. Y. K. Kotikal, Director of Extension & Registrar, UHS, Bagalkot inaugurated the programme. Dr. Vishnuvardhana, Dean, COH, Bengaluru, Dr. D. R. Patil, ADRE, MHREC, Bagalkot and Dr. M. K. Honnabyraiah, Professor of Fruit Science, COH, Bengaluru graced the inaugural function.



## College Day Celebration at COH, Bengaluru



COH, Bengaluru celebrated its 7<sup>th</sup> College day and Hostel annual day on 18.03.2019. Dr. K. M. Indires, Hon'ble Vice Chancellor inaugurated the function. Dr. K. T. Hanumanthappa, I.F.S., Forest Conservator (Research), Dharwad released the college magazine "SIRI VATIKA - 2019". Prof. M. Krishnegowda, Retd. Professor & Orator and Shri. Krishnamurthy, Play Back Singer, Mysuru attended the function as Chief guests. Retired Professors of Horticulture viz.. Dr. Jayaprasad K.V., Dr. Jagannath S. and Dr. Guruprasad T. R. were felicitated on this occasion. Dr. M. S. Kulkarni, Dean (PGS), UHS, Bagalkot and Dr. Vishnuvardhana, Dean, COH, Bengaluru graced the function. The students of the campus presented various cultural programmes.

## Blood Donation Camp organized at COH, Bengaluru



Agricultural Microbiology and NSS Coordinators arranged the camp.

National Service Scheme Unit, College of Horticulture, Bengaluru in association with BMS GTTK Blood Service, Bengaluru organized 'Blood Donation Camp' on 16.03.2019. Total of 45 donors including the staff and students donated the blood. Dr. K. M. Indires, Hon'ble Vice Chancellor, UHS, Bagalkot and Dr. Vishnuvardhana, Dean, COH, Bengaluru graced the occasion. Dr. Vijaya from TTK, Rotary, Bengaluru attended and addressed the students. Dr. M. Arun, Assistant Professor of Agricultural Economics and Dr. K. J. Dayamani, Assistant Professor of

## District level Seminar-cum-Exhibition on Ginger, Turmeric and Pepper



On 6<sup>th</sup> - 7<sup>th</sup> March, 2019, two days district level Seminar-cum-Exhibition on "Ginger, Turmeric and Pepper" was organized by HEEU, COH, Mysuru in collaboration with Directorate of Arecanut and Spices Board (DASB), Calicut, Kerala. On this occasion, on 06-03-2019, Dr. Babulal Meena, Director, DASB, Calicut was the Chief Guest and inaugurated the programme and addressed the farming community on spices crops. Dr. Janardhan, G., Prof. & Dean (i/c), COH, Mysuru presided over the function and addressed the gathering. Dr. D.R. Patil, ADR, UHS, Bagalkot briefed about the exports opportunities, suggested quality seeds for getting good yield. During this occasion, an exhibition was also arranged on "Ginger, Turmeric & Pepper



Products”. Series of lectures were also delivered to the farmers on the topic “Turmeric, Ginger and Pepper Cultivation” by progressive farmers and Experts. On 07.03.2019 in the valedictory function, Dr. Basavaraja, N., Director of Research, UHS, Bagalkot participated as chief guest and in his speech suggested the farmers to go for newly introduced spices crops for high yield and value added products for doubling the farmer's income. Dr. Tanveer Ahmed, Extension Leader and Dr. Pallavi, H.M., Asst. Professor of Seed Science and Technology coordinated the programme.

### Participation in District level Krishi Mela at Hassan



Dr. H. Amarananjundeswara, Head, Dr. Prasad P. S. Assistant Professor of Plant Pathology, HREC, Hassan along with Dr. Vasudev, Associate Professor & Head, PHT, COH, Bengaluru, Dr. Aswathnarayan Reddy, Head, HRES, Hogalgeri participated in District level Krishi Mela organized by Department of Horticulture, Hassan on 17.02.2019 and exhibited different potato and cashew varieties and processed horticulture products in the UHS stall. Hon'ble District in-charge Minister Sri. H. D. Revanna visited stall along with officials from Department of Horticulture, Hassan.

### Varieties approved for release by UHS, Bagalkot for the year 2017-18



**1) SRS-2 (Sankeshwar selection) :** SRS-2 is an open pollinated variety suitable for green chilli production under rainfed as well as irrigated situation throughout the state. Fruits are parrot green in colour, 16 to 17.50 cm long and moderately resistant to chilli murda complex. Yield potential is about 15-18 t/ha.

**2) GPM-120-S-1 :** GPM-120-S-1 is an open pollinated variety suitable for dry chilli production. When the fruits are dry they appear dark red colour. Oleoresin recovery is almost equal to traditional Byadgi Dabbi cultivar. It is high yielding dry chilli variety yields about 2–3 t/ha.



**3) Hybrid-80 :** Hy-80 is a F1 hybrid suitable for both green as well as dry chilli production for rainfed and irrigated situation. This hybrid is resistant to murda complex of chilli and yields about 27 to 30 t/ha of green chilli.





**4) Fenugreek variety – DFC - 21 (Devi Methi 1) :** DFC - 21 (Devi Methi 1) is having plant height (39.0 cm) with an average of 11.9 number of primary branches per plant. Seed yield potential is 1068 kg/ ha and moderately resistant to powdery mildew.



**5) Tamarind (*Tamarindus indica*)- ATS 1 :** The proposed variety ATS 1 is well suited for central dry zone with good quality pulp of 50.94 kg/tree. Its height is 5.50 m with high yield potential of 11000 kg/ha.



**6) Jackfruit variety 'Maharaja' :** It is having fruit length 39 - 49.12 cm, fruit breadth 24 - 34 cm, fruit weight 12.50 - 17.06 kg with TSS (oB) 24.02 - 30.33.

Yield potential is 50 – 80 fruits/year.



**7) China aster :** ACC-I is OP seedling selection from the germplasm. Flowers are pink in colour with diameter of 5.5-6.0 cm, weighs 4 g, plant height 55 cm and stalk length 30 cm, It takes about 138 days to flower, produces 50 flowers/plant, resistant to Alternaria leaf spot and yield: 30% more than cv. Arka Kamini

## Varieties Identified for Adoption



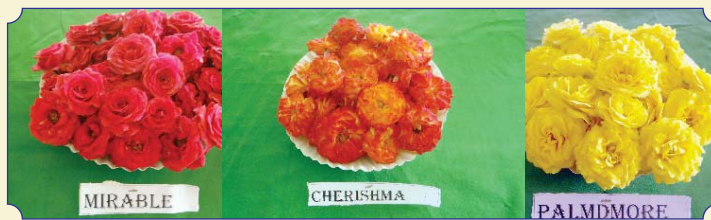
**1. Turmeric Var. Suroma for hill zone (Zone-9) of Karnataka.** It produces higher dry rhizome yield (7.79 t/ha) with higher content of essential oil (4.40%), Oleoresin (13.10 %) and curcumin (5.03 %) under hill zone of Karnataka.



**4. Vegetable pigeonpea cultivars :** Among 14 germplasm evaluated at UHS, Bagalkot and other locations, ICP 7035 and ICPL 87091, were found best as vegetable pigeon pea cultivars.



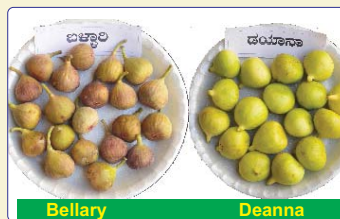
**2. Anthurium :** Anthurium varieties such as Fire (red spathe), Moments (white spathe) and Pistache (green spathe) were found suitable to grow under polyhouse condition.



**5. Floribunda Roses for loose flower production :** Varieties Cherishma (4.01t/ha), Mirabel (3.29 t/ha) and Palm Dmore (3.44 t/ha) were found suitable for North Eastern Transition Zone of Karnataka.



**3. Gladiolus (*Gladiolus hybridus* Hort.) :** The best four cultivars suitable for Northern Karnataka region with respect to overall flower quality and yield parameters are Green star green, Magma Red, Liemocello yellow and Pink lady Peach.



**6. Fig varieties: Bellary and Deanna :** Fig varieties Bellary and Deanna performed better for Zone VIII region of Karnataka with respect to growth [plant height (148.65 cm, 135.95 cm)] and yield parameters [number of fruits (152.95, 64.50), fruit weight (21.30 g, 42.24 g), fruit length (37.91 mm, 46.49 mm), girth (36.15 mm, 44.31 mm) and yield (14.53 kg/plant, 12.48 kg/plant)].





**7. New variety of Potato-Kufri Pukhraj :** Potato variety Kufri Pukhraj was found most suitable for commercial cultivation in Rabi season in Kolar, Chickaballapura and Bangalore rural districts under Eastern Dry Zone of Karnataka.

## Visits Abroad Visit of UHS Scientists to Vietnam



UHS Scientists lead by **Dr. N. Basavaraja**, Director of Research, **Dr. Vishnuvardhana**, Dean, COH, Bengaluru, **Dr. Amarnanjundeshwar**, Assistant Professor and Head, HREC, Hassan and **Dr. Ravindranatha Reddy**, Consultant CIP, GKVK, Bengaluru visited Vietnam from 30.03.2019 to 06.04.2019. The team has undergone training on 'Potato seed production through shoot tip cuttings, aeroponics, tissue culture aspects, mother bed nursery, cold storage facilities' at National University of Agriculture, Institute of Agro-Biotechnology, Hanoi and Potato, Vegetable Flower Research Centre (PVFC) at Dalat and other Institutes at Vietnam.

## Training cum Exposure visit to Bangladesh

A team of UHS Scientists viz., **Dr. K. Ramachandra Naik**, Professor of PHT, RHREC, Dharwad, **Dr. R. S. Jawadagi**, Professor of Vegetable Science, Directorate of Research, **Dr. G. Manjunath**, Assistant Professor of Plant Pathology, RHREC, Bengaluru and **Mrs. Soumya Shetty**, Technical Assistant, HREC, Hassan visited Bangladesh from 19<sup>th</sup>-23<sup>rd</sup> February, 2019 under RKVY project entitled on 'Establishment of Centre for Potato and Sweet potato' sponsored by International Centre on Potato, Peru. The team visited two prominent institutes, Bangladesh Rural Advancement Committee (BRAC) at Dinajpur Dist. and Bangladesh Agriculture Research Institute (BARI) at Debiganj, Panchgarh District which are extensively involved in commercial potato seed tuber production under net house. UHS team along with Dr. S. K. Chakravarti, Director, CPRI, Shimla, Dr. Kadian, Asian leader, CIP, Peru, Dr. R.K. Singh, Head, Seed Production, CPRI and Mr. Ravindranath Reddy, Project Manager, CIP, Bengaluru also visited various net house structures and breeder seed tuber production plots as part of the training programme.



**Dr. M. G. Kerutagi**, Professor of Agril. Economics, COH, Bagalkot participated and presented a key note paper on "Impact of Darakshak: A bio-consortium on quality, yield and income of pomegranate growers in Karnataka" at World Congress on Microbiology and Applied Microbiology held during Feb. 21<sup>st</sup>-22<sup>nd</sup> 2019 at Paris, France.

**Dr. Vishnuvardhana**, Dean, **Dr. B. Fakrudin**, Professor & Head (BCI), **Dr. Devappa V.**, Professor & Head (Plant Path.), **Dr. M. Anjanappa**, Professor & Head (Veg. Science), **Dr. P. M. Munikrishnappa**, Assoc. Prof. (FLA) participated and presented research papers at International conference on Bioscience and Biotechnology (Biotech 2019) held at Kaula Lumpur, Malaysia from 21<sup>st</sup> to 22<sup>nd</sup>, February, 2019 besides involving in the networking for research collaborations at Federal Kaula Lumpur and visited National University of Singapore, premises, laboratories, facilities and close group discussion with the scientists of Cancer Science Institute of Singapore from 20<sup>th</sup> -24<sup>th</sup> Feb. 2019.



Dr. Vishnuvardhana



Dr. B. Fakrudin



Dr. V. Devappa



Dr. M. Anjanappa



Dr. P.M. Munikrishnappa

## AWARDS



**Dr. Shivayogi Ryavalad**, Assistant Professor of Seed Science and Technology, Seed Unit, UHS, Bagalkot bagged **Best Oral Presentation Award** for his research article on 'Impact of Scientists-Farmer's participatory quality seed production in Horticultural crops' at National seminar on "Strengthening of seed systems in the North Eastern and Unreached regions-Problems, Prospects and Policies" held during 3<sup>rd</sup>-5<sup>th</sup> February 2019 at Manipur Centre, Imphal.



**Dr. Dileepkumar Masuthi**, Assistant Professor of Seed Science and Technology, KRCCH, Arabhavi received **Young Scientist Award** for the year 2017-18 for his

significant achievements and accomplishments made in the field of Seed Technology from Indian Society of Seed Technology, New Delhi in plenary session of National Seed Seminar held on 05.02.2019 at Imphal.

## UHS IN THE NEWS

ಗುರುವಾರ 28.2.2019 ರನ್ನದಪಟ್ಟಿ  
17 ಬೆಳದ ಪರಕೆ...

**ಅಗಲಕೋಟೆ**

**ಪ್ರಮಾಣ ವಚನ**

ಕೃಗುಟಕಿದ ದ್ರಾಕ್ಷೆ! ತೋವಿವಿಯಲ್ಲಿ ಬೆಳೆಸಿದ ಉತ್ಕೃಷ್ಟ ದ್ರಾಕ್ಷೆ ದೇಶ ವಿದೇಶದ ತಳಿ ಮಾರಾಟ

**ನೀರ ಮಾರಾಟ**

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