



## Seminar and Endowment Programme

### Workshop on Integrated Management of Weeds in Onion and Vegetable crops



Dr. D. Rajagopal, Vice-President, IAT, Bangalore inaugurated the workshop on Integrated Management of Weeds in Onion and Vegetables at Kasavarahatty in Chitradurga District. From L to R : Dr. A.G. Ramachandra Reddy, Dr. E. Jayarama Reddy, Sri. Thimma Reddy, Sri. L.H Ramachandra Reddy, Dr. T.V. Muniyappa, Dr. T.V. Ramachandra Prasad, Dr. C. Thippeswamy, Dr. H. Chandrappa participated.



Participation of Guests and Resource Scientists in the workshop. From L to R :- Dr. A.G. Ramachandra Reddy, Dr. E. Jayarama Reddy, Dr. D. Rajagopal, Sri. Thimma Reddy, Sri. L.H Ramachandra Reddy, Dr. T.V. Muniyappa, Dr. T.V. Ramachandra Prasad, Dr. C. Thippeswamy and Dr. H. Chandrappa.

One day workshop on “**Integrated Management of Weeds in Onion and Vegetable crops**” was organized by IAT Bangalore in co-ordination with IAT chapter Chitradurga, Departments of Horticulture and Agriculture, Krishi Vignana Kendra Babbur farm, Hiriyur on 17-07-2015 at Kasavarahatty Village Community Hall Chitradurga Taluk. This workshop was organized under the endowment grants allocated from Asia Pacific Weeds Science Society (APWSS), IAT Bangalore. Sri L.H Ramachandra Reddy President, Hale Dyamavvanahally Grama Pachayath, Chitradurga district presided over the function.

Dr. D. Rajagopal, Vice President and Chair Person of Seminar and Endowment Sub-Committee of IAT Bangalore, inaugurated the workshop by lighting the lamp along with other guests. Dr. T.V. Muniyappa, Professor of Agronomy, (Retd) University of Agricultural Sciences, Bangalore and Member, Board of

Management UHS Bagalkot, Dr. T.V. Ramachandra Prasad, Professor of Agronomy (Retd) UAS, Bangalore. Sri. Channabasavaiah, Co-opted member, IAT Bangalore participated as Resource persons in the workshop. Dr. E. Jayarama Reddy President IAT Chitradurga, Dr. H. Chandrappa, Dr. S. Omkarappa along with Scientists from Babbur farm, Sri Thimma Reddy, Progressive farmer, Sri Vijayakumar MYRADA Organization were the Chief guests of the workshop.

Dr. Rajagopal, during his inaugural address he described that the “Weed is a plant which is out of place” and these weeds have been classified as annual, biannual, perennial, noxious or obnoxious weeds. Further he explained that the weeds are nuisance to the crop growth which are generally competing with the main crop by absorbing the soil nutrients, moisture and space which resulted in poor growth of the crops as well as harbouring the variety of pests and diseases which

are going to damage at all stages of crop growth. Now a days, due to scarcity of labourers, use of herbicides has become inevitable during the cultivation of any crops. He also mentioned about various herbicides either as pre-emergent or post emergent which are readily available in the market.

Dr. T.V. Ramachandra Prasad, who has participated as one of the Resource persons in the workshop explained the various methodology in application of herbicides for managing the weeds in onion and other vegetable crops. He has given the most useful recommendations to the farmers on Pre emergent herbicides such as, Oxyfluofen 23.5 EC @ 200 ml per acre or Pendimethilin 30 EC at 1 lit. per acre in 300 lit. of water and they should be applied within 3 days after sowing or planting.

Regarding the application of Post emergent herbicides against weeds in Onion and other vegetable crops Oxyfluofen 23.5 EC @ 200 ml per acre or Quizelopop Ethyl 5 EC @ 300 ml per cre in 200 lit. of water. The post emergent herbicide should be applied during 25-30 days of crop growth. He has also explained the direct application of herbicides in Pomegranate, Coconut, Arecanut and other plantation crops, where he recommended the application of herbicides like glyphosate 41 SL @ 10 ml per lit. of water + 2-3 drops of lime juice or Glyphosphate 71 SG @ 7.5 g per lit. of water + 2-3 drops of lime juice. Further he has clarified several queries raised by the farmers especially on the control of Cuscata stem parasite by Pendimethilin at 1 lit. per 200 lit. of water, 10 days after sowing or planting.

Dr. T.V. Muniyappa another expert on Weed Management, who explained on the history and development of herbicides against weeds including the

Introduction of herbicide like 2-4 D where he experimented with *Parthenium* management at UAS Hebbal and GKVK campuses. Further he had stressed upon various components of Integrated Weed Management such as hand weeding, intercultivation, timely application of herbicides etc. Further he also said about the timely weed management is the most important aspect of crop cultivation which enhances the Agri. production.

Resource persons from Bangalore and Scientists from Babbur farm, Hiriyur briefly explained through PPT on the occurrence of various weeds, attack of insect pests and Diseases in Onion and Vegetable Crops at different stages of the crops and management practices followed at different stages along with the names of the herbicides to be used and their dosages of mixing with water and spray with precautions.

The Scientists advised farmers to follow some tips while doing Agricultural practices. Some of them are crop rotation, timely intercultural operations, cultivation practices, following the package of practices, minimizing the input costs, intercropping. etc. Some companies have participated in the workshop by exhibiting the Agri. implements especially the tractor, tillers, ploughs, rotary weeders power tillers etc. Dr. Doddamallaiah. Dr. J. Thippeswamy and other IATians from Chitradurga participated in the workshop. Dr. A.G. Ramachandra Reddy President of Programme Committee welcomed the guests and Dr. C. Thippeswamy proposed the vote of the thanks. About 100 farmers from different villages participated in the daylong workshop.

## Extension Education and Training Programmes

### 1) Organized Farmers Meeting to build Confidence against Committing Suicide

A preliminary meeting was conducted on 29-7-2015 at Coleman Hall, Zonal Agricultural Research Station V.C Farm, Mandya, for building confidence against committing suicide under the Presidentship of Dr.H.Shivanna, Vice Chancellor, UAS Bangalore with the joint collaboration of IAT Bangalore and UAS Bangalore. Dr. K.V. Sarvesh, President, IAT Bangalore participated as Chief guest.

Dr. K.V. Sarvesh expressed his deep concern about series of farmers suicides committed in the state and in particular in Mandya district where Farmers suicide is found to be maximum compared to other districts even though Mandya area is an irrigated belt. He further

explained necessity for conducting a farmers meeting at Mandya to build confidence, strength and courage to farmers so that the farmers must understand committing suicide is not the final solution to solve their problems. He further briefed that the IAT has decided to conduct such farmers meetings in many parts of the state and requested the Vice Chancellor to collaborate in organizing such programmes in Mandya and other centres in Karnataka.

Mr. Boraiah, a progressive farmer and a member of Rajya Raitha Sangha appreciated the concern of IAT and UAS Bangalore to conduct such farmers meeting at Mandya. He briefed about different problems faced by

the farmers growing sugarcane, paddy and other crops in Mandya district and appealed to the organizers to concentrate on genuine problems of Farmers which is leading to take extreme steps for suicides.

Dr K.T. Shivashankar, Professor of Horticulture (Rtd) UAS, Bangalore and President, Mandya Agri and allied Sciences Graduate Association stressed upon the necessity for conducting farmers meeting to build confidence against farmers committing suicide particularly in Mandya District.

Dr. Shivanna, Vice Chancellor, UAS, Bangalore briefed about the various steps initiated by UAS Bangalore in building confidence with farmers against their suicide. He appreciated the efforts of IAT who have come forward to organize the farmers meeting for building confidence against farmers suicide and expressed full support of UAS Bangalore in collaborating such programmes. He suggested to conduct such farmers meeting as early as possible and appealed to all the scientists of ZARS, KVK and College of Agriculture, Mandya to join with IAT in organizing such programmes in the interest of farming community.

Dr. D. Rajagopal, Vice President, IAT, K.J. Devendrappa, Secretary, IAT, Dr. T. Shivashankar, Dean, College of Agriculture, Mandya, Scientists of ZARS, KVK and College of Agriculture and Offices of Department of Agriculture, Mandya, office bearers of IAT Mandya participated in the programme Dr. Ravishankar, ADR, ZARS, Mandya welcomed the participants and Dr. Rajanna, Rice Breeder, ZARS Mandya proposed the vote of thanks.

## 2) Training Programme on Borewell Recharge and Rain Water Harvesting

The Training programme on Borewell Recharge and Rain Water Harvesting was conducted to the farmers on 12-8-2015 at Kanchugal Bandemath Magadi Taluk with the joint collaboration of IAT Bangalore and Department of Agriculture, Magadi under the Chairmanship of Sri. Puttanarasaiah, President, Grama Panchayat, Bittasandra in the presence of Sri. Sri. Basavalingaswamy, Pontiff of Kanchugal Bandemath. Who inaugurated the programme and appreciated the efforts of IAT Bangalore in organizing such a useful and effective programme to the farmers of interior places like Kanchugal Bandemath. The training on Borewell Recharge and Rain Water Harvesting as well as practical demonstration is very useful programme in increasing Groundwater level in the Borewells by conserving rain water, since the rainfall is scarce and untimely in these days. This



**Sri Sri Basavalingaswamy pontiff of Kanchugal Bandemath inaugurated the training programme on Borewell Recharge and Rainwater harvesting. Smt. Deepaja, Dr. K.V. Sarvesh, Sri. Puttanarasaiah, Sri. Rangaswamy, Sri. C. Anilkumar and Sri. Channabasavaiah participated**

Technology will be more useful and food production can be increased by adopting such new technologies to feed the increasing population. He was also concerned about migrating of Agricultural labourers from villages to cities.

Dr. K.V. Sarvesh, President, IAT, Bangalore who participated as one of the Special invitees explained the various soil and water conservation development activities implemented at village level by Watershed Development Department like increase of groundwater table in the borewells, control of unnecessary wastage of water stored in the tanks, soil and water conservation in cultivable and fallow lands. He appealed to the farmers to increase groundwater table in the borewells by adopting new technologies as well as to adopt Integrated Farming System to increase their income.

Sri. Rangaswamy, ZP member, Gudemaranahally informed the farmers about the provisions made under MNAREGA scheme to increase the groundwater table in Borewells. He further informed that if the Department of Agriculture and IAT could identify the villages, for training the farmers as well as implementation in respect of borewell recharge he will make necessary arrangements for the required funds from Zilla Panchayat and appealed to the farmers to take up Borewell Recharge in their dried borewells.

Smt. Deepaja, Joint Director of Agriculture, Ramanagara also who participated as chief guest, explained the various facilities available to the farmers from Agricultural Department and appealed them to avail the benefits by visiting Raitha Samparka Kendra at every Hobli in the dist.

Sri. C. Anil Kumar, Engineer, BAIF Rural Development Institute, R.D. Halli, Madhugiri taluk, Tumkur district explained the various measures and technologies for

increasing the groundwater table in borewells as well as rainwater harvesting through flipcharts and power point presentation. He further practically demonstrated filling the pit by big boulders, gravels and sand at different stages of borewell recharge pits.

Sri. Puttanarasaiah, President, Grama Panchayat, Bittasandra requested the farmers to make use of the training and demonstration in recharging their borewells. Sri. Prakash, GP member, Members of Extension Education and Training sub-committee, IAT Bangalore and more than 100 farmers from different villages participated in the programme. Sri. Channabasavaiah, Co-Chairman, EE&T welcomed the participants and Sri. Ashok Kumar, Agricultural Officer, RSK Solur proposed the vote of thanks.

### 3) Organised Think Tank workshop in building Self confidence in Farmers

Think Tank Workshop in building the self confidence to the farmers was conducted on 14-8-2015 at Jamakhandi with the Joint collaboration of IAT, Bangalore, Regional chapter, Bagalkot and Department of Information and Publicity, Bagalkot under the Presidentship of Sri. Parappa Madanamatti, President, APMC Jamakhandi as well as Progressive Farmer.



Sri. Parappa Madanamatti inaugurated workshop by pouring the water on the plants on building self confidence to farmers. Sri. V.L. Chanal, Channappa Biradar, Shankar Jangannavar, Veerana Tolamatti, Basavana gowda Police Patil, Ramanna Kadagol, Avathri Odeyar, Sanganagowda B. Patil, Shankar Mahanthasetty, Mallikarjun Janawada and Muttanna Pujari participated.

The most successful farmers in Agriculture and allied sectors who have been practicing Integrated Farming System from Bagalkot, Vijayapura, Belagavi and Haveri districts participated in the programme as main speakers. They are V.L. Chanal, Channappa Biradar, Shankar Jagannavar, Veerana Tolamatti, Basavanagowda Police Patil, Ramanna Kadagol, Avathari Odeyar, Sanganagowda B. Patil, Shankar Mahanthasetty, Mallikarjun Janawada and Muttanna Pujari. These farmers have shared their experiences in Agriculture and allied fields. They appealed to the

farmers to adopt Integrated Farming System with total involvement and commitment in order to get good income. They appealed to all the farmers not to commit suicide which creates unnecessary problems to the family members. They all suggested to face the problem with courage in any field with total involvement which ultimately leads to good results. All the above farmers along with their family were honoured by IAT.

Dr. D.L. Maheswar, Vice Chancellor, UHS Bagalkot appealed to the farmers to follow integrated farming, develop entrepreneurship approach where they will be getting better results by means of yield and income. He suggested the farmers to put their children in Agricultural College in order to learn and practice Scientific Agriculture for better results and appealed to farmers not to commit suicide under any circumstances. Dr. K.V. Sarvesh, President, IAT, Bangalore appealed to the farmers to develop good vision and more ambitious and to involve themselves in Integrated Farming in order to get better income and he also requested all the farmers not to commit suicide under any circumstances.

Sri. Parappa Madanahatti, a progressive farmer as well as President, APMC appreciated the efforts of IAT in



The progressive farmers were honoured on the eve of building self confidence to farmers. Dr. A.B. Patil, Sri. Ramesh, Dr. Venkatesh, Mallappa Aski, Govindappa Gujjannavar, Dr. D.L. Maheshwar, Prof. V. Veerabhadraiah, Dr. K.V. Sarvesh, Dr. D. Rajagopal and Sri. Kongawad participated.

giving importance to farmers and to share their experience and thanked IAT and its office bearers for organizing such programmes.

Dr. D. Rajagopal, Vice President, IAT, Prof. V. Veerabhadraiah, Vice President, IAT, Sri. Channabasavaiah, M.C. member IAT, Govindappa Gujjannavar, Mallappa Aski, Board Members, UHS Bagalkot, Ramesh JDA, Bagalkot, Dr. Venkatesh Director of research, UHS Bagalkot, office bearers of IAT Bagalkot of UHS scientists and Bagalkot, staff of Department of Agriculture were participated. Dr. A.B.

Patil, President, IAT Bagalkot Chapter and Director of Extension, UHS Bagalkot welcomed and anchored the entire programme. About 300 farmers from Bagalkot, Vijayapura, Belgaum and Haveri districts participated in the programme.

#### 4) Workshop on Building Self-confidence with Farmers to stop committing suicide

A workshop on Building self-confidence with farmers to stop committing suicides was conducted on 9-9-2015 at Gandhi Bhavan, Mandya with joint collaboration of IAT Bangalore, IAT Chapter Mandya, Department of Agriculture, Horticulture, Animal Husbandry, Information and Publicity, University of Agricultural Sciences, VC Farm and All India Radio Mysore.



Sri. Rangegowda, Smt. Padma, Smt. Nataraj, Sri. H.M. Raju, Sri. Rajegowda, Sri. Jayaramappa, Nagaraja Murthy, H. Naganna and Smt. Hemalatha Shivanna jointly inaugurated the workshop on building self confidence with farmers at Mandya by putting food grains in to the container

Nine progressive farmers from different taluks of Mandya who have been most successful in Agriculture and Allied sectors by following suitable Integrated Farming System with a reasonably good income participated with their family as Chief Guests in the programme. The nine farmers who participated as Chief Guests are Sri. Rangegowda, G.K. Gulur, Maddur Taluk, Smt. Padma Sathish, Neralekere, Srirangapatna taluk, Smt. and Sri. Nataraj Pandavapura, Sri. H.M. Raju, Malligere, Sri. Rajegowda Tamnigere and Sri Jayaramappa Jayapur, Mandya taluk, Sri. Nagaraja Murthy, Madanahalli, Hande Naganna and Smt. Hemalatha Shivanna, Mikkeri, Kirugaval of Malavalli taluk. The programme was inaugurated by all the participating farmers and their family by putting food grains into a container which gives an indication as a Rural Culture of storing grains.

All the Nine progressive farmers spoke on the occasion and shared their successful and sustainable, income generating Integrated Farming System which they

have been practicing in their villages for several years without any loss and spending money for the regular functions out of the income obtained by following Integrated Farming System. Further they also expressed with full confidence that many farmers from neighboring villages have replicated the same system of IFS. They appealed to all the participating farmers not to commit suicide under any circumstances but to face it with courage, boldness, total involvement and hard work in Agriculture which gives not only a good income but also they can command good respect in the society.

On behalf of IAT Bangalore, all the nine progressive farmers along with their family were honoured by Dr. K.V. Sarvesh President, IAT, Bangalore and other dignitaries. The President appealed to all farmers to



The progressive farmers along with their family were honoured on the eve of Building Self Confidence to farmers at Mandya. Dr. K.V. Sarvesh, Prof. V. Veerabhadraiah, Smt. Rajasulochana, Dr. Shivashankar, Dr. Ravishankar, Channabasavaiah, M.C. Shivaraj, Puttaswamy, Keshavamurthy and officers and scientists from Mandya participated.

follow, replicate different practices being implemented by all the nine progressive farmers by visiting their fields. He further requested all the farmers not to commit suicide under any circumstances which otherwise creates serious problems to their family members.

Prof. V. Veerabhadraiah Vice President, IAT Bangalore, Smt. Rajasulochana JDA, Mandya, Dr. Shivashankar, Dean, College of Agriculture, Mandya, Dr. Ravishankar, ADR Mandya, Channabasavaiah, M.C. member, IAT, Puttaswamy, IATian from Bangalore, IATians from Mandya, staff of Agriculture and other development departments, Scientists from ZARS and KVK, Mandya participated in the programme. The programme was started with prayer followed by Nadageethe by famous Janapada Singer Sri. Swamygowda. Sri. M.C. Shivaraju, Secretary, IAT Mandya Chapter welcomed the participants and introduced the nine progressive farmers and their family to the participants. Sri. Chikputtegowda, ADA

(SMS), Mandya proposed the vote of thanks and Sri. Keshava Murthy, Farm Radio Officer, All India Radio, Mysore anchored the entire programme in an excellent manner. About 200 farmers from various parts of Mandya district participated in the programme.

## 5) Organised Animal Health Checkup Camps

1) Animal Health Checkup camp was organized on 8-9-2015 at Pura village, Gubbi Taluk, Tumkur District with the Joint collaboration of IAT Bangalore, Department of Agriculture and Animal Husbandry, Gubbi taluk, Zuari Agro chemicals, Bangalore, Lions Club Bangalore East and Belavatta Grama Panchayat under RAWE programme of UAS(B).



**Dr. D. Rajagopal, Vice-President, IAT, Bangalore inaugurated the Animal Health Camp at Pura Village. Dr. Govindagowda, Dr. Seetharamaiah, Dr. Margoob Hussain and members of Lions Club, Bangalore east participated in the programme.**

Dr. D. Rajagopal, Vice President, IAT Bangalore inaugurated the programme. He explained the importance of conducting such programmes which helps in identifying different problems in Animals, especially infertility, diseases and treatment to such problems, will enhance the milk production in improved milch breeds. He further guided the students to learn to understand field problems and ways and means of solving them which will help in a big way during their future career.

Dr. Margoob Hussain, Animal Gynecologist and M.C. member of IAT explained different diseases and their management in Animals, different methods to keep animals in good health and ways to improve the milk production especially in improved milch animals.

Dr. V. Govindagowda, Associate Professor of Agricultural Extension, UAS Bangalore appealed to farmers to make use of such programmes in increasing their income through Dairying and suggested students to acquire with field problems better during their village stay so that they can solve them better in future days.

Dr. Seetharamaiah, Veterinary Officer, Veterinary Hospital, Nittur and Dr. Margoob Hussain have

attended Animal Health Checkup and treated for infertility clinical cases, deworming, FMD vaccination etc. In all 715 animals have been treated in the villages. The students of UAS Bangalore under RAWE programme and farmers of the village participated in the programme.

Sri S.V. Jaganmohan Reddy, President, Sri V. Ramesh Treasurer and Sri Mallikarjuna Reddy, Member of Lions Club Bangalore East, participated as Special invitees and also collaborators to the Animal Health checkup programme at Pura village, Gubbi taluk, Tumkur District.

2) Similar Animal Health Checkup camp was organized at Byadigere village, Gubbi taluk on 8-9-2015 with the joint collaboration of IAT Bangalore, UAS Bangalore, Department of Agriculture, Gubbi, Department of Animal Husbandry Kadaba, Gubbi Taluk, Milk Cooperation Society, Byadigere, Milk Union, Tumkur, Zuari Agro Chemicals Bangalore and Lions Club, Bangalore East.

Dr. D. Rajagopal, Vice President, IAT Bangalore inaugurated the programme. He explained the role of Dairying in village level in supporting family in getting daily income and stressed the necessity of keeping good Animal Health by regular checkup, proper feeding and to increase the milk production. He further briefed the advantages of attending such trainings and Animal Health Checkup camps which are being conducted in their villages by which they can get all necessary assistance in increasing not only the milk production but also to wardoff the diseases in animals.

Dr. Margoob Hussain, Animal gynecologist and M.C. member of IAT explained the different diseases and problems of calves, cows, sheep, goats and Poultry and their remedial measures. He explained the methods of increasing Milk production in cows by feeding various



**Dr. Margoob Hussain, Animal Gynecologist addressing the farmers in the Animal Health Camp at Byadigere village. Sri Marilingannavar, Zuari Industries Ltd., Dr. D. Rajagopal, Vice-President, IAT Bangalore, Dr. Shashikanth Budihal, Asst. Director, Veterinary Hospital participated**

food nutrients. Dr. Shashikanth Budihal, Assistant Director, Veterinary Hospital, Kadaba explained the different facilities from the Department of Animal Husbandry and requested the farmers to make use of all the facilities. Dr. V. Govinda Gowda, Associate Professor of Agricultural Extension, UAS Bangalore appealed to farmers to make use of such programmes and advised the students to pay more attention to learn actual field problems during their village stay.

The President, Milk Cooperative Society, Byadigere appreciated the efforts of all the collaborating institutions in conducting Animal Health Camps in their villages and thanked them. He appealed to all farmers to make use of such programmes in keeping their animals better and to get more milk production. He thanked students of UAS Bangalore for their rural stay under RAWE programme.

Dr. Margoob Hussain and Dr. Shashikanth Budihal have attended the Health Checkup of animals for the various problems like infertility, FMD, deworming and regular clinical problems. About 370 Animals have been treated in the village. The students of UAS Bangalore under RAWE programme and most of the Dairy farmers participated in the programme.

3) Similar to these campus another 5 such camps have been conducted with the joint collaboration of IAT Bangalore, UAS Bangalore, Department of Agriculture,

Gubbi, Tumkur, Department of Animal Husbandry Gubbi and Tumkur, Milk Cooperative Society, Adagur, Hiregundagal, C.S. Pura, and Movinahalla, Milk Union, Tumkur, Zuari Agro Chemicals, Bangalore and Lions Club, Bangalore as mentioned below.

| Sl. No. | Date      | Place        | Hobli     | Taluk  |
|---------|-----------|--------------|-----------|--------|
| 1       | 7-9-2015  | Bidare       | Cholur    | Gubbi  |
| 2       | 7-9-2015  | Adagur       | Gubbi     | Gubbi  |
| 3       | 10-9-2015 | Hiregundakal | Kora      | Tumkur |
| 4       | 10-9-2015 | Palasandra   | Gulur     | Tumkur |
| 5       | 20-9-2015 | Mavinahalli  | C.S. Pura | Gubbi  |

In all the above places Dr. Margoob Hussain, Animal Gynecologist and M.C. member of IAT and Doctors from the Department of Animal Husbandry have attended Animal Health Checkups and treated the animals for various problems like infertility, FMD, Deworming and other clinical problems.

Dr. Margoob Hussain further explained various problems and diseases observed in cows and other animals, and their management practices. He also explained methods of good calf care, good Animal health care and increasing milk production. More than 1900 Animals have been treated in the above mentioned places. Farmers of the respective places and students of UAS Bangalore under RAWE programme participated in the programme.

## Knowledge Enhancement Programmes

### 1) Reemployment and Bhima Varishta Pension Benefits

A lecture programme on Reemployment and Second line income generation and Bhima Varishta Pension Benefits was organized on 31-7-2015 under the Chairmanship of Dr. D. Rajagopal, Vice President, IAT Bangalore. Sri. Anna Venkatesh Kumar, Vice President, Kotak Mahindra, Bangalore delivered a lecture on Reemployment and Second line income generation in particular to IATians who have been retired from service. He explained detail history of Kotak Mahindra and how it has been developed over the years.

The Kotak Mahindra have achieved expertise in Financial services, General insurance, Health Insurance with Entrepreneurship spirit. He stressed upon the need to augment one's income and need to spend time fruitfully and profitably. He further explained that the company deals with life security,

loans and deposits, mutual funds, investment products and research and development. He further briefed about the opportunities for the retired persons who can join the company and can collect the insurance from the public by which they will be getting income based on their performance.



Dr. N. Krishnamurthy, Sri. Anna Venkateshkumar, Dr. D. Rajagopal, Sri. K.R. Venkatesh Prasad and K.J. Devendrappa participated in the lecture programme

Sri. K.R. Venkatesh Prasad, Chief Manager, LIC of India, Jayanagar, Bangalore explained different benefits of Varishta Pension scheme under Bhima Yojane of government of India and appealed to all the member to enroll under the scheme so that they can get good benefits compared to various schemes of any institutions in India.

Dr. D. Rajagopal, Vice President, IAT, Bangalore appealed to all the IAT members to avail the benefits of Kotak Mahindra as well as Bhima Varishta Pension of LIC of India to get more benefits and good returns. Sri.K.J.Devendrappa, Secretary welcomed the participants, Sri.Channabasavaiah, M.C. member introduced the Guest speakers and Dr. N. Krishnamurthy, Chairperson, Knowledge Enhancement sub-committee proposed the vote of thanks.

## 2) Global Warming, Ultraviolet Rays and Environment

A lecture programme on Global warming, Ultraviolet Rays and Environment by Sri. Chikkathimmaiah, Retired Deputy Director, Secretariat Training Division, Bangalore was organized on 29-8-2015 under the Chairmanship of Dr. D. Rajagopal, Vice President, IAT Bangalore.

C. Chikkathimmaiah highlighted the pollution of soil, water and environment by various means like factory waste, vehicles through sound, exhausting gas and plastic products which are not decaying and



Sri. Channabasavaiah, Sri. C. Chikkathimmaiah, Dr. D. Rajagopal and Dr. N. Krishnamurthy participated in the lecture programme

problem for animals due to consuming plastics. Further he was concerned about destroying ozone layer due to Greenhouse effect, Drought condition and soil erosion due to destroying forests, which are leading to increase in Global warming which are causing abnormal rains, floods and cyclones.

Dr. D. Rajagopal appealed to the technocrats to create awareness with farmers/ people/ public about importance of good environment for keeping good health and for better production. He was also pointing out the harmful nature of ultraviolet rays on the skin.

Dr. N. Krishnamurthy, Chairperson, Knowledge Enhancement Programme sub-committee welcomed the participants, Sri. Channabasavaiah, Co-Chairman, EE&T sub-committee introduced the guests and Sri. N. Deshaiah proposed the vote of thanks.

## Activities of the Regional Chapters

### CHITRADURGA

#### 1) Workshop on “Krishi Abhiyana Yojana”

One day workshop on “HOBALI LEVEL KRISHI ABHIYANA YOJANA” was conducted by IAT Chitradurga chapter in co-ordination with Raitha Samparka Kendra, Chitradurga Taluk on 03-07-2015. Sri. G.H. Thippa Reddy M.L.A Chitradurga constituency inaugurated the workshop by lighting the lamp. Dr. D. Ramesh President Agriculture and Industry Sthayi Samithi, Zilla Panchayath Chitradurga, Smt. Prathibha Ramesh, President, Taluk Pachayath, Dr. K.R. Devaraju, Deputy Director of Horticulture, Dr. Asha, Department Fisheries, Dr. D. Chandrappa A.D.R, Dr. Rudramuni Scientist, Dr. Kumarnaik Scientist from Babbur Farm, Hiriyyur were

the chief guests for the workshop. About 113 farmers participated in the workshop.



Sri. G.H. Thippa Reddy, MLA, Chitradurga inaugurated Krishi Abhiyana Yojana programme at Chitradurga. Sri. Venkatesh, Smt. Prathiba Ramesh and Dr. D. Ramesh participated.



Dr. Venkatesh, Asst. Director of Agriculture, Chitradurga welcomed the guests and Sri G.H. Thippa Reddy, MLA advised the farmers to make use of the facilities given by the Government through the concerned Departments. Departmental officers are also very much interested in providing the facilities with subsidies to the needy farmers. The MLA further advised the farmers to make use of the benefits of schemes and develop themselves.

Dr. D. Ramesh and Smt Prathibha Ramesh, in their speech advised the farmers to make use of the benefits available in various schemes in the Departments. The Resource persons from Babbur farm, Hiriyyur. Dr D. Chandrappa, Associate Director of Research, Dr. Rudramuni and Dr. Kumar Naik briefly explained about to make use of the schemes and also the management of insect pests and diseases. At the end of their speech an interaction session between farmers, officers of the departments and scientists” was arranged. During the fag end of the workshop the officers announced a slogan that at the present situation “Departmental steps is towards farmer's house” By this the officers and scientist encouraged farmers to have more interest in Agriculture by following new technology to get better yield.

## 2) Visit of Students from various Institutes to IAT Regional Chapter



Students from UAS(B) and Andhra Pradesh University visited IAT Chitradurga. E. Jayarama Reddy, G.T. Shivaprakash and B.T. Harish participated.

Twenty Students who were doing internship during their graduation at different Universities like University of Agricultural sciences, Agricultural Engineering GKVK Bangalore, Andhra University, BBM, MBA, and other courses visited the Institutions Soil and Water Analysis Laboratory and Plant Health Clinic, Dr. E. Jayarama Reddy President, G.T. Shivaprakash, and B.T Harisha, Chemist were the main Resource Persons. They Explained the necessity of soil and water Analysis and which is the basic need for Agriculture farming on the basis of soil Analysis report

Cultivation of Crops will be taken up and Plant Health Clinic is for identification of insect pest attack and giving remedy for the diseases, Mr. Prasad from Myrada Chitradurga Participated and arranged the session at IAT Chitradurga chapter.

## 3) Workshop on Agricultural Implements

IAT Chitradurga chapter in co-ordination with Krishi Vignana Kendra, Babbur farm, Hiriyyur and Department of Agriculture, Chitradurga organised two days workshop on “The Interaction between Farmers, Scientists and Producers of Agriculture Implements, and also to utilize the implements in Dryland Agriculture.” 26-08-2015 and 27-08-2015 at 10:30 A.M at Babbur farm, Hiriyyur, Dr. C. Vasudevappa, Vice Chancellor, University of Agriculture and Horticultural sciences, Shivamogga, inaugurated the work shop by lighting the lamp. Dr. P. Narayana Swamy Director of Research U.A.S. Shivamogga. presided over the function, Dr. T.H. Gowda. Director of Extension U.A.S. Shivamogga, Dr. H. Chandrappa, Dean, Horticulture College Hiriyyur, Dr. Sarvagna Salimath, Program Co-ordinator, K.V.K, Hiriyyur, Dr. E. Jayarama Reddy, President IAT Chitradurga, were the Chief Guests of the workshop. Dr. K.P. Prakasha Associate Professor, Agri. Engg. Section U.A.S Raichur and Dr. Sharanappa Jangandi Associate Professor of Agricultural Engineering ZARS, Hiriyyur and Vice President of IAT were the main Resource Persons in the workshop.



Sri. C. Vasudevappa, Vice Chancellor, UAHS, Shivamogga inaugurated interaction session at Babbur Farm, Hiriyyur Taluk, Dr. Parappa, Dr. P. Narayanaswamy, Dr. E. Jayarama Reddy, Dr. T.H. Gowda and Dr. H Chandrappa participated.

The Main producers Agriculture Implements from Dharma Technology, Tumkur, Varsha Techology, Chitradurga. kamala kisansa, Bangalore, Sai Industry Hubli, S.L.R. Industry, Andhra Pradesh and Mouneshwara Industry, Bandivada, Hubli were also participated in the workshop. Dr. B.T. Hanumantha Reddy Treasurer, Dr. A.G. Ramachandra Reddy, Member, Dr. N.P. Shivashankar, M.C. Member IAT Bangalore, Dr. B. Jagannath, IAT Co-opted member and IATians of Chitradurga chapter were also

participated in the workshop. About 96 farmers participated in the workshop.

## 4) Training Programme on Post-Harvest Technology and Marketing

One day Training programme was conducted by District HOPCOMS Chitradurga in Association with IAT Chitradurga on 14/09/2015 at 10:30 a.m. at HOPCOMS, Premises to District HOPCOMS members on management of Horticultural Crops on Post-Harvest Technology and marketing. Dr. K.S. ThimmaReddy, President, HOPCOMS Chitradurga presided over the training programme. Smt. Laxmi D. Raju Managing director K.H.F. Bangalore inaugurated the Training programme. Dr. Raveesh Associate Professor, College of Horticulture, Hiriyur and Smt. Laxmi D. Raju, were the main Resource persons. Sri N. Surendrappa, Secretary, Sri H.R. Venkateshmurthi, Managing Director, Dist HOPCOMS. Dr. K.R. Devaraju Deputy Director of Horticulture and Dist. Hopcoms Director were the Chief Guests. About 98 members of Hopcoms participated in the Training programme.



Dr. K.S. Thimma Reddy, President, HOPCOMS inaugurated Training programme on Post Harvest Technology and Marketing at Chitradurga. Smt. Yeshodamma B.R., Smt. Laxmi D. Raju, Dr. K.R. Devaraj and H. Kubhera participated

Dr. Raveesh spoke on the marketing of Horticultural crops and the marketing problems, grading, and packing of Horticultural crops. Dr. Kirankumar addressed on Pest Harvest Technology to the farmers. Smt. Laxmi D. Raju, stressed on the development and yield of Horticultural crops. Dr. K.R. Devaraju spoke on facilities and subsidies available in the Department of Horticulture, Govt. of Karnataka.

## 5) Workshop on Rabi and Pre-monsoon Andolana

Organised one day workshop on Rabi and Pre-monsoon Andolana, Farmer's Self Confidence Development Andolana and Awareness Programme on Fertilizers, Pesticides, Agricultural Inputs and Implements dealers

as by Asst. Director of Agriculture, Chitradurga in collaboration with IAT Chitradurga on 15-09-2015 at IAT Training Hall, Chitradurga.



Sri. Mallikarjun Tahsildar, Chitradurga inaugurated Rabi and premonsoon Andolan and Farmers self confidence building Andolana programme at Chitradurga. Dr. G. Venkatesh, Jagadish, Dellip, Laxminanarayana and Dr. Deepak participated.

The workshop was inaugurated by Sri. Mallikarjuna, Tahsildar Chitradurga Sri. Jagadeesh, CUDA President, Sri. Laxminarayan, P.D.O. Z.P, Chitradurga. Dr. Deepak Psychiatrist and also 72 Farmer's and input dealers participated in the workshop.

## MYSORE

### 1) Celebrated Foundation Day of IAT Chapter

Annual General Body meeting for the year 2015-16 and first year Foundation Day of IAT, Mysore chapter was conducted on 21-7-2015 at DATC, Nagenahally. Dr. M. Mahanteshappa, President, IAT Mysore Chapter and Joint Director of Agriculture, Presided active programme after mourning for 2 minutes to the departed suicide farmers and the members of IAT. The programme was started. First celebration of foundation day of IAT, Mysore through honouring senior IATians who have done remarkable work for the functioning of



Foundation Day of IAT Chapter Mysore was celebrated at Nagenahally, Mysore. G.S. Siddaraju, Dr. M. Mahanteshappa, Dr. Arun Balamatti, Dr. Shivamurthy, Sri. Mohangowda and other IATians participated.

IAT. The Chapter honoured Dr. K.H. Seetharama Reddy and Dr. G.H. Yogesh, Ex-Secretary, IAT, Mysore.

The annual general body meeting for the year 2015-16 was held in which all the Executive Committee members and other members of IAT, to the tune of 78 were present in the meeting. Dr. Arun Balamatty, Vice President delivered the introductory speech. Dr. Shivamurthy, Joint Secretary readout the proceedings of the previous General Body meeting.

Dr. Mohan Gowda, Secretary, IAT readout the proceedings of E.C. meeting conducted on 16-6-2015 and also the Action plan for 2015-16. Dr. G.S. Siddaraju readout the accounts and audit reports of 2014-15 and budget proposals for 2015-16 and requested for the comments and acceptance from the members. Dr. M. Mahanteshappa delivered the presidential speech and the meeting was concluded with the vote of thanks by Dr. H.R. Sriranga, the senior member of IAT, Mysore.

## 2) Demonstration on Mechanised Paddy Transplanting

A practical demonstration on Mechanised paddy transplanting by using China Model Machine was organized on 24-8-2015 at Kuppegala village, Mysore Taluk in the fields of progressive farmer and Advocate Sri. Nandeesh with the joint collaboration of IAT Regional Chapter and Department of Agriculture, Mysore. The 17 to 25 days old paddy seedlings grown on a mat have been planted by the machine at a distance of 10" with the help of 1 driver and 2 labourers. 4 HP Diesel set has been attached to transplanting machine.

Dr. Chandrakala, Deputy Director of Agriculture explained in detail the method of raising nursery seedlings on a mat, land preparation for transplanting, time of raising seedlings, transplanting techniques, water management use of cone weeder for the control of weeds and advantages of machine transplanting.



Dr. Chandrakala, Mohanagowda, Dr. Shivamurthy, G.S. Siddaraju, K. Rangarajan, Sri. Nandish and farmers participated in the Demonstration on Mechanised Paddy Transplanting at Kuppegala in Mysore

Further they briefed the savings in the expenditure and advantage of transplanting 8 acres in a day with the help of machine transplanting.

Sri. Mohana gowda, Secretary, Dr. Shivamurthy, Joint Secretary, G.S. Siddaraju, Treasurer, K. Rangarajan, IATian of Regional Chapter Mysore, progressive farmer and Advocate Sri. Nandeesh and about 65 farmers from in and around the village participated in the practical demonstration of machine paddy transplanting through machines.

## 3) Training Programme on 'SRI' method of Paddy cultivation

A training on 'SRI' method of paddy cultivation and its advantages was conducted on 22-09-2015 at Srirampura village, K.R. Nagar taluk with the joint collaboration of Regional Chapter, Mysore, Department of Agriculture, Mysore and Dharmastala Rural Development Institute, K.R. Nagar under National Food Security Mission with the help of Self Help Group of Women and Men of the village.



Dr. Mahadevamurthy, Dr. Shivamurthy, Dr. Suresh, Sri. G.S. Siddaraju, Sri. Umesh, and farmers participated in 'SRI' method of paddy cultivation training at K.R. Nagar, Mysore

Dr. Suresh, Scientist, KVK, Suttur, explained details about paddy cultivation under semiwet condition and Integrated Pest Management Practices. Dr. Mahadeva Murthy, Project Head, NFSM, Mysore explained the advantages of SRI method of cultivation of paddy. Sri. Rangarajan, ADA (Vigilance), Mysore explained about different fertilizers, their nutrient content, direct fertilizer mixtures and complex fertilizers and advantages by using these fertilizers.

Dr. Shivamurthy, Joint Secretary, Regional Chapter, Mysore and Assistant Director (AH&VS) (Retd.) explained about different improved breeds, measures to improve fertility conditions, feed and nutrients management for the good health and milk production in animals and timely treatment with vaccination for controlling various diseases. G.S. Siddaraju,

Treasurer, Regional Chapter and (RTD) DDA explained about Post Harvest Technology, storage measures including stored grain pests and their control. Many questions and queries of the farmers have been answered by all the technologists during the interaction session. Sri. Umesh, Convenor, Dharmasthala Rural Development institute, K.R. Nagar proposed the vote of thanks. More than 100 youth farmers and farm women participated in the programme.

#### 4) Animal Health Checkup Camp and Training Programme on Fodder cultivation

An Animal Health Checkup Camp and Training programme on Fodder cultivation was organized on 29-9-2015 at Melur, K.R.Nagar Taluk with the joint collaboration of Regional Chapter, Mysore and Department of Animal Husbandry, K.R.Nagar, Mysore. The Animal Health Checkup and treatment was started at 8.00 A.M. in the village.



Dr. Shivamurthy, Dr. Suresh Kumar, Dr. Shivaprasad, Dr. Venkatesh and farmers participated in Animal health Camp and Fodder cultivation training at Melur, K.R. Nagar.

Dr. Suresh Kumar, Assistant Director (AH&VS), K.R.Nagar and about 12 Veterinary Officers and Para Veterinary staff from different Veterinary hospitals participated in the Animal Health Check up programme. The farmers brought their cows, buffaloes, sheep, goats and calves for checkup and got them treated for various problems. Totally 873 Animals have been treated for various problems like infertility cases, FMD vaccination, Deworming, clinical cases and Artificial insemination covering 256 cows, 23 buffaloes for infertility tests, 245 cows, 68 buffaloes for H.S. vaccination, 206 sheep and 78 goats for C.P.R. vaccination.

Dr. Suresh Kumar and other experts explained about various nutrients rich fodder varieties and their improved cultivation practices. Further they also briefed about different programmes and activities of the department and appealed to the farmers to make use of

them for maintaining better health of animals and for increased milk production. Dr. Shivamurthy, Joint Secretary, Dr. Shivaprasad and Dr. Venkatesh, IATians, Regional Chapter, Mysore participated in the programme.

### RAICHUR

#### 1) Training Programme on Krishi Bhagya Scheme

The chapter in collaboration with the Department of Agriculture, Forestry, Horticulture, Grama Vikas Samsthe, Rayasiri Organic Farming Production Company, Samrudhi Samsthe and Marutheswara Agri Rural Development Samsthe, Raichur organized one day training programme on Krishi Bhagya programme, Agro-Forestry and National Horticulture Mission at Sri Gudikal Allipura Swamy temple, Appanadoddi village on 22-7-2015.

One hundred farmers including farm women from Appanadoddi, Naganadoddi, Kotha Doddi and



Sri. S.M. Siddareddy, Sri. Shivaraj, Sri. Kumaraswamy, Sri. K.M. Ramesh, Sri. Nakka Govinda, Sri. Bhaskar, Sri. M. Basavarajiah and farmers participated in training on Krishi Bhagya Scheme at Appana Doddi in Raichur.

Madamanadoddi villages have attended the programme. In addition the farmer leaders, members of grama panchayat, President, Secretary and members of Rayasiri Organic Farming Company, Organic farmers attached to Grama Vikas Samsthe, Ryabo Bank Foundation and the Primary School students also participated.

Sri. Shivaraj, who participated as Resource person from the Forest Department advised the participants to take up Integrated Farming System, Organic Farming, Agro Forestry to maintain the environment and to maintain soil health and to get expected income. He also said that the plants / saplings of drumstick, Teak, Karibevu, Honge, Hebbevu, Bevu and others are available in the Forest Departments nursery. The farmers can grow these plants on the borders of their lands and also on the bunds. Sri. Kumara swamy, Deputy Director of

Horticulture, Raichur in his address informed the farmers that there is a provision to provide Mango, Mosambi and Pomegranate plants under subsidy to each farmer upto 4.00 ha under National Horticulture Mission and requested the farmers to submit applications in this regard. In addition the farmers will be provided 90% subsidy for drip irrigation.

The Deputy Director of Horticulture further informed the farmers that, the beneficiaries of Indira Awas Yojana, SC & ST farmers and the farmers with below 5 acres of Land can develop. Horticultural crops on their lands under Employment Assurance Scheme and requested the interested farmers to submit applications through Horticulture Department.

Sri. K.M. Ramesh, Senior Assistant Director of Horticulture while speaking on the occasion informed the farmers that there is a provision of rupees 75,000 to construct Farm Pond and Rs. 30,000/- to construct Vermicompost pits and requested the farmers to avail the facilities. Further Sri. Ramesh said that, there is a provision to supply sprayers, small tractors and Biofertilizers on 50% subsidy to small and marginal farmers. The small and marginal farmers were requested to submit applications to Senior Assistant Director of Horticulture, Raichur.

Sri. S.M. Sidda Reddy, President, IAT Raichur while addressing the farmers stated that there is a provision from Government under Krishi Bhagya Scheme for taking up Agro-Forestry, Agri-Horti and Conservation of soil and water and Dairying by the farmers. He requested the farmers to fully utilize the benefits. He assured the farmers that IAT will extend all necessary help in tying up the farmers interested through grama vikas yojane and Rayasiri Co.

The programme started with the invocation of Smt. Anithamma Reddappa Gowda, President, Rayasiri Company. The programme was attended by the Directors of Rayasiri Company, Women Farmers of Organic farming groups. Sri. Nakka Govinda, member, Grama Panchayat and Sri. Bhaskara Gowda, village leader were also participated in the programme. The programme was anchored by Sri. M. Basavarajaiah, Executive Officer of Rayasiri Company, Sri. Ramesh Kaki welcomed the participants and Kumari Radhika proposed the vote of thanks.

## 2) Interaction Session on Confidence building to the farmers

The chapter in collaboration with the UAS, Raichur, Agri and allied Departments of Raichur and Koppal Districts, Krishik Samaj, District law services Samsthe,

District Lawyers Association organized an Interaction session on Confidence building to the farmers against the suicides on 1<sup>st</sup> August 2015 at the premises of UAS Raichur.



Officers from Judiciary, Department of Agriculture, UAS Raichur, inputs dealers association and Krishik Samaj Raichur participated in the confidence building to farmers programme at Raichur

The programme was attended by experienced persons from Social Sciences, Psychologists, Lawyers, Scientists from Agri and allied sectors, Progressive farmers and also 300 farmers from Koppal and Raichur districts participated in the programme.

Dr. P.M. Salimath, Vice Chancellor, UAS Raichur, Dr. B.V. Patil, Director of Education Dr. Chandargi, Registrar, Dr. Vasudevan, Prof of seed technology Hon'ble P.G.M. Patil, District Judge, Sri. Devindrappa Biradara, Judge and Member Secretary, Law Department, Prof. Chandrashekar Buggi, Social Scientist (Rtd) from UAS Bangalore, Dr. V.A. Malipatil, Psychologist, Sri. S. Basavaraja Patil, President, Zilla Krishik Samaj, Sri. S.M. Sidda Reddy, State representative, Zilla Krishik Samaj and President, IAT Raichur Chapter.

Sri. Amaranna Gudihal, Principal Secretary, State Farmers Association, Lingasugur, Progressive farmers, President, Taluk Krishik Samaj, Smt. Saraswathi, Deputy Director of Agri., Officers of Development Departments and Representatives of Banks participated in the workshop and discussed with the farmers at length on several issues concentrating on that the The farmers were requested not to commit suicide even though they are unable to repay the loans.

## 3) Organised World Environmental Day

The Chapter in association with the Department of Agri, Forest, Samrudhi Samsthe, Marutheswara Agri and Rural Development Samsthe and Stread Samsthe, Raichur organized World Environment Day and Planting of seedlings on 15-9-2015 at Government Higher Primary School, Balamana Doddi, Appana



Sri. S.M. Siddareddy, Sri. N. Shivaraja, Kum. Neha Kulkarni, Sri. Basavaraj Patil, Sri. Mallanna, Smt. Yankamma, S.K. Devanna, Smt. Sujatha Narasimhalu, Sri. Thimmappa, Sri. Venkatesh and Sri. Nagareddi gowda participated in the planting of seedlings at Appana Doddi village.



Sri.S.M. Sidda Reddy, Sri. N. Basavaaja, Sri. Mallanna, M. Basavarajaiah, Sri. Manjunath and Sri. Kallappa participated in World Environment Day at Raichur.

Doddi village of Bijanagere Grama Panchayat. The programme was attended by Sri. N. Shivaraja, Deputy Conservator of Forest and Sri. S.M. Sidda Reddy, President, IAT Raichur who spoke on the importance of Agro-Forestry and Environment.

Other Technologists viz; Kumari. Neha Kulkarni, Agriculture Officer, RSK Raichur, Sri. Basavaraj Patil, AAO, Sri. Mallanna, AAO, (Retd.) Smt. Yankamma, Head Mistress, Govt. Primary School, Sri. S.K. Devanna, President and School Development Samithi and Members, Smt. Sujatha Narasimhalu, member, Grama Panchayat, Sri. Thimmappa Govindappa, Member, Grama Panchayat, Sri. Venkatesh Dalapathi, Sri. Nagareddi gowda, Village Leader. Sri. Thikkanna gowda, Youth Leader, Sri. Narasimhalu, Youth Leader.

Sri. S.M. Siddareddy, President, IAT and Resource person, while addressing he stated that due to the lack of sufficient forest area the temperature in the atmosphere is increased and the rains are also reduced. As such he requested the farmers to go for organic farming and agro-forestry and improve their economic status. The samplings of Tamarind, Pongamia, Nerale, Nelli, Bhevu, Teak and Seemaruba provided free of cost by the Forest Department, were planted by all the participants in the premises of the school.

Sri. Basavarajaiah of Samrudhi Samsthe spoke on Environment and also anchored the programme. The programme was attended by Sri. Devaragudda Basavarajappa Gowda, Srishyla and Radhika of Grama Vikasa Samsthe and 150 students, Teachers and the leaders from the village participated in the programme.

The chapter in collaboration with the Department of Forest and Sri. Marutheswara Agri and Rural Development Samsthe organized World Environment

Day on 19-9-2015 at the premises of Neelakanteswara temple of NGO Colony, Raichur.

Sri. N. Basavaraja, Deputy Conservator of Forest participated as Chief guest in the programme. He stressed on the importance of Forest in the Balance of Nature. He informed the participants that in order to maintain the natural balance there must be 33% of Forest area, but the area under forest is only 20%. Sri. S.M. Sidda Reddy, President, IAT Raichur and President of Sri. Marutheswara Agri and Rural Development Trust participated as Chief Guests and requested the participants to grow Forest trees in order to improve the Environment.

They requested the residents NGO Colony to come forward in planting of Forest trees in their backyard and the bunds of their lands and agreed to extend all the required services from their Samsthe.

Former Secretary of NGO societies Sri.Mallanna, presided over the programme. In his presidential speech he requested the NGO Colony residents to grow sufficient plants in their backyard and also on the bunds and support in maintaining the balance in the nature. The programme started with the Invocation of Deepika and her team of students of NGO school.

Sri. M. Basavarajaiah, Secretary, Samrudhi Samsthe welcomed the audience. Sri. Soogurappa, Asst. Master of the school proposed the vote of thanks. Sri. Mahesha another Asst. Teacher anchored the programme. Sri. Manjunath, Head Master of NGO High School, Sri. Kallappa, Head Master, Primary School, Sri.Suresh Reddy, Secretary, NGO Housing Society, and all teachers and 600 students and NGO Colony residents were also participated in the programme.

## SHIVAMOGGA

### Discussion Meeting on Building self confidence farmers

University of Agri. and Hort. Science (UAHS) Shivamogga in collaboration with KVK, Department of Agriculture, Department of health and family welfare, Institution of Agricultural Technologists Shivamogga Chapter have organized the discussion meeting in coordination with the farmers about self confidence Building and Agricultural crops management practices on 31-07-2015 at KVK Shivamogga. In this programme, Shri. B. Ramu CEO ZP, Dr. T.H Gowda DE, UAHS, Shri Mahendra Nath District president, Krishika Samaja, Dr. Vignesh Dean (Student Welfare) UAHS, Dr. Sanjay Psychiatrist SIMS Shivamogga, Dr. P. Narayana Swamy Director of Research, UAHS, JDA Shri. Madhusudhan, DDH Shri. Vishwanath, Shri. G.S Kumar swamy ADA DATC, Shri. T. Shivakumar ADA SMS and Treasurer IAT, Shri. S. Maruthi ADA (Enforcement) and Secretary IAT and approximately 125 farmers from different taluka's of Shivamogga dist. have precipitated in the programme.



Sri. B. Ramu, CEO, ZP, Shivamogga inaugurated Confidence Building Programme to farmers at Shimoga. Dr. T.H. Gowda, Dr. Sanjay, Sri. Mahendranath, Dr. Vignesh, Dr. P. Narayanaswamy, Dr. Madhusudan and Sri. Viswanath participated in the programme

Shri. B Ramu CEO ZP inaugurated the programme, Dr. T.H. Gowda D.E. UAHS welcomed the dignitaries and addressed the gathering with the objectives of the programme. Shri. B. Ramu in his inaugural address to the gathering stated that, drought is not new to this area, our ancestors had also faced droughts and people were dying due to lack of food and diseases. If the plague comes to the village, they were shifting to the other areas from the village. In spite of problems like diseases and droughts farmers were not committing suicide.

Farmers also interacted with CEO ZP, the farmers such as Durgappa Angadi. Sasaravalli village. Shikaripura taluka, Kumar. V. Naidu Holebhyrana halli

Bhadravathi taluka have convinced the other farmers to adopt Integrated Farming System along with dairing, poultry etc. Other farmers such as Isur Shivappa Shikaripura taluka, Venkatesh Naik Malavagoppa Shivamogga taluka, Mallikarjuna Yedehalli Bhadravathi taluka, G.B. Palakshappa Yedehalli Bhadravathi taluka, Shubha Kuskuru, G.M Raghu Shivamogga also spoke on the problems faced by farmers and drawn the attention of CEO, UAHS Scientists and JDA, Shivamogga. Dr. Sanjay Psychiatrist spoke on the measures to be taken when few farmers in villages expressing helplessness about the difficult agricultural situation. Farmers also interacted with Doctor and clarified many of their doubts.

## VIJAYAPURA

### 1) The Krushi Abihiyana Programme:

The programme was organized by IAT, Vijayapura chapter in collaboration with Dept. of Agriculture, Horticulture, Sericulture on 2-7-2015 at Halagani of Babaleshwar hobli, Vijayapura district. The president Zilla Panchayath Sri Umesh Kolakur called for use of organic fertilizers to retain soil health and reduce the cost of cultivation. He presided over the programme and advised farmers of the district to test the soil, seed prior to sowing and make use of various schemes of the government. The progressive farmer Sri Bandurao Kulkarni stressed on cultivation of grapes, pomegranate, lime and banana with improved package of practices and with new post harvest technology for economic feasibility and profitability. Dr. Rajashekar Williams DDA, Smt. Prathiba Hugar ADA, Girija Pattanashetty, R.B. Patil, Sri. V.S. Surakod a senior IATian were also present on this occasion. The whole programme was anchored by Nagesh Holeppagol and welcomed by Smt Girija Pattanashetty AO of the RSK Babaleshwar. About four hundred farmers were gathered during this programme.

### 2) Seed Treatment Campaign

The campaign on seed treatment for Kharif crops was organized by IAT, Vijayapura chapter in collaboration with RSK, Dept. of Agriculture at Shree Udayeshwar Math, Nagathan on 13-7-2015. Dr. Ashok S. Sajjan Secretary IAT, Vijayapura advised the farmers about seed treatment. The Kharif crops may be treated with  $\text{CaCl}_2$  @ 2% to overcome drought situation in dry land. Advised to use the biofertiliser like *Rhizobium*, *Azospirillum*, PSB, and *Trichoderma*, for the control of



Dr. Ashok Sajjan, Dr. S.H. Gotyal, Dr. S.G. Aski, Smt. Manjula Surpur, Sri. Prakash Loni, Sri. M.M. Budni, R.M. Badri and Sri. D.I. Chavan participated in the Seed Treatment campaign at Nagathan

diseases and make use of atmospheric nitrogen. Dr. S.H. Gotyal Professor of Agril. Extension delivered a talk on soil and water conservation for retention of moisture for higher productivity. The extension leader Dr. S.G. Aski advised the farmers to test the soil to save and application of need based fertilizers. Smt Manjula Surpur Agricultural Officer narrated the aims and objectives of seed treatment. The Programme was presided over by Sri Prakash Loni TP member, anchored by Sri M.M. Budni, initially welcomed by R.M. Bidari and finally thanked by Sri D.I. Chavan. About two hundred farmers were participated in seed treatment campaign.

### 3) Exhibition on Organic Products and Samvad by Award Winners

An exhibition of organic products and *samvad* by award winning farmers was held on 26-7-2015 at *jnan yogashram* at Vijayapura. The programme was inaugurated with the *samvad* by Pujya Shri Shant Mallikarjun Swamigalu of *jnan yogashram* said in order to maintain health the farmers should practice organic farming and feed the population with healthy food. He appreciated the efforts of farmers who exhibited their product grown by adapting organic farming. Later in the afternoon session an interaction was arranged between Award winning farmers and other farmers.

The Award winner Sri Shankar Langati of Gundenatti village of Khanaur, S.T Patil from Nad K.D, Rajashekar Nimbaragi from Benakanahalli, Siddu Balagond from Kholar, Dhareppa Kithur from Teradal, I.M. Nadaf from Sindagi who spoke on different topics like Sustainable and Integrated and Organic farming Community seed bank concept, music therapy for plants, goat farming, animal husbandry. The farmers suicide was discussed at length and measures to prevent looking in to the successful farmers. Dr. R.B.Belli, Extension Leader, Agricultural Extension



Pujya Shri. Shantha Mallikarjun Swamigalu inaugurated the Exhibition on Organic Products and Samvad. I.M. Nadaf, R.B. Belli, Sangu Sajjan, Dhareppa Kittur, Siddu Balgond, Dr. B. Manjunath and Sri. S.G. Nadagouda participated

Education Center and M.C Member IAT Coordinated the *samvad* and anchored the whole programme, IAT president and JDA Dr. B. Manjunath presided, Sri Sangu Sajjan Vice President of Siddeshwara Samsthe, S.G Nadagoud M.C member were also graced the occasion.

### 4) “Krishimahotsava” A Farmer’s Awareness Programme

The ‘Krishimahotsava Exhibition cum sale mela’ was organized by Institution of Agricultural Technologists with Dept. of Agriculture and Progressive farmers in Kolhar village of Basavanabhogewadi taluka, on August 24, 2015 on account of ‘Upashappa Devaru’ Jatra. The Krishimahotsava programme was inaugurated by Param pujya Shri Siddeshwara Swamiji and mentioned that Agriculture is a noble profession and farmers should create awareness among their children without any inferiority complex. He also opined that the farmers does not have any political parties and soil is the sole party for them. The researchers should concentrate upon the quality of the food being produced rather than the quantity. The



Param pujya Shri Siddeshwara Swamiji inaugurated Krish Mahotsava programme at Kolhar in B. Bagewadi. C.S. Giddappagol, Mallakajappa Desai, Shankarappa Desai, Kallinath Devaru, Sangaraju Desai, Sangu Sajjan, and Dr. A.B. Patil participated.



various technical seminars were also arranged to address the present agrarian problems. Dr. R.B. Belli, Extension Leader, Agricultural Extension Education Center, Dr. Angadi, Dr. A.P. Biradar, programme Coordinator Krishi Vigyan Kendra, Bagalkot, Dr. A.B. Patil, Director of Extension, University of Horticultural Sciences, Bagalkot and others actively participated in the programme.

## YADAGIR

### 1) Training Programme on Integrated Disease management



Training Programme on Integrated diseases management at Yadalli village conducted by Dr. S.B. Mallesh and Dr. Moulasab

IAT chapter organized one day Training programme on Integrated diseases management at Yadalli village of Yadagiri District in collaboration with SRTT Project and Agril. college B'gudi on 04.07.2015. Dr. S.B. Mallesh, Assistant professor, Plant Pathology, Agriculture college B'gudi explained about diseases management of Greengram, cotton and groundnut. He also informed the farmers regarding importance of *Trichoderma* as seed treatment. Dr. Moulasab, Assistant professor, Agril. Extension, Agriculture College B'gudi welcomed the farmers and briefed about the objectives of training programme and more than 80 farmers were benefited from this training.

### 2) Training Programme on Agri/Horti Schemes

The chapter Organized one day training programme in collaboration with Agricultural and Horticulture Department on Awareness of Agricultural schemes/programmes at Kembavi RSK, on 21.07.2015. Dr. Mahesh. M & Dr. Basavaraja Kalmath, Scientists of Plant Protection, College of Agriculture, Bheemarayanagudi created awareness about programmes of RKVY, BHOCHETAN, NFSM, NHM, NABARD and other programmes. Dr. Moulasab, Asst. Prof., Agril. Extension, welcomed the farmers and guests and also anchored this programme. Agriculture



Organised a Training programme on Awareness of Agricultural Schemes/Programmes at RSK, Kembavi. Dr. Moulasab, Dr. M. Mahesh and Dr. Basavaraja Kalmath participated

officers and Venkatesh Kulakarni, AAO, RSK, Kembavi were also present and more than 150 farmers were benefited from the training programme.

### 3) Organised Krishi Exhibition



Krishi Vastu Pradarshan at Byadapur village of Surpur taluk inaugurated by Dr. B.V. Patil and Dr. Suresh S Patil.

The chapter organized Krishi Vastu Pradarshan on 20-08-2015 at Byadapur village of Surpur, RSK of Yadagiri district in collaboration with Agril. Department and RAWE, Agril. College B'gudi. Dr. B.V. Patil, Director of Education UAS, Raichur, Inaugurated the programme and released the book of RAWE activities and soil health cards. He appreciated the efforts of B.Sc. (Agri.) students for their sincere efforts in attending the demonstration of University technologies to the farming community. He further complimented for the distribution of soil health cards with analysis of 16 important plant nutrients with crops recommendation. Dr. Suresh. S. Patil, President of IAT, briefed on his involvement in most of the activities of RAWE Programme right from the beginning and complimented the cooperation of officers and supporting staff of Agriculture department for grand success of this programme. More than 300 farmers participated in this programme.

## 4) Awareness Programme Against Farmers Suicide



Organised Awareness programme against farmers suicides by Dr. Moulasab at Byadapur village of Surpur taluk

IAT, Chapter, Yadagiri, in collaboration with the Agriculture department organized one day programme on awareness to stop farmer suicides at Naganoor village of Kembavi RSK on 21.07.2015. Smt. Supiya Sultan, Tahsildar, Surupur taluk inaugurated the programme and addressed that the farmers have to face the challenges of natural calamities due to man made mistakes. Since farming is the utmost important to the community, the government is always with farming community and there is no need to worry about money lenders. Dr. S.N. Upperi, Leader Agril. Extension information centre, lingasugur stressed on the need for cultivation of minor millets as these crops are losing their prominence and farmers have neglected their cultivation. Dr. Suresh. S. Patil, Dean (Agri.) College of Agriculture, Bheemarayanagudi who was president of this function addressed the gathering. The farmers were advised to adopt Integrated Farming System in order to get income throughout the year which will help for the maintenance of the family in a systematic way. Sri. Shantanna Chennur, President, Grama panchayat, Nagnoor, Sri. Siddanagouda Police Patil, ex-president, Yadagiri, ZP were also participated. The programme was attended by large number of farmers from the village.

## 5) Krishi Vastu Pradharshana

The chapter in collaboration with Department of Agriculture, Krishi vigyana kendra, Raddewadgi, Agriculture Extension Education centre, B'gudi and college of agriculture, B'gudi Organized two days programme on "Krishi Vastu Pradharshan" on 27-8-2015 at Gaonvar village of Jewargi taluk. More than 500 farmers participated in this programme.

The programme was inaugurated by Dr. P.M. Salimath, Hon'ble Vice-Chancellor UAS, Raichur by a novel method of watering a plant. While addressing the



Organised Training programme on Awareness of Agricultural schemes/programmes at RSK, Kembavi. Dr. Moulasab, Dr. M. Mahesh and Dr. Basavaraja Kalmath participated

participants he said that Agriculture is mainly depending on women farmers and their involvement is very much essential. He stressed that in order to make the Agriculture, a profitable one, it is necessary to adopt IFS. Dr. B.M. Chittapur, Director of Research, UAS, Raichur delivered a lecture on importance of IFS for livelihood security. Dr. Suresh. S. Patil, Dr. S.N. Upperi, Dr. R.V. Patil, Dr. Shivasharnappa gouda were also participated. Dr. Moulasab, Assistant professor of Agril. Extension anchored the programme and D.G. Satihal welcomed the guests and farmers. Sri. Sri. Poojya Sopanath Swamy, Sri Vikramanadanda Swamy math, Goanvar presided over this programme.

### For Kind Attention of IATians

IATians are requested to send the following details for publication in KT.

1. **Abroad visits for Conferences/Seminars/ Trainings** : They have to submit the participation certificate from the Organizers including paper presentation, venue and dates.
2. **Feedback from the Readers** about the Publication of KT.
2. **Awards/Fellowships/ Honours** : The exact name of the Award including their contributions with a copy of the certificate contained sponsors, place and date of receiving and a photo preferably while receiving the award.

## AWARDS, HONOURS and ABROAD VISITS



**Dr. P. Margoob Hussain**, Former Professor and IAT MC member received Two prestigious awards viz., PMJF-Award from Lions Club International President 2014-15 at Chicago and Excellent Performer Award from District Governor. Lions Dist.317F Bangalore.



**Dr. Chenna Reddy Aswath**, Principal Scientist, Division of Ornamental Crops, Indian Institute of Horticultural Research, Bangalore is conferred with **Dr. B.P. Pal Memorial NABS - Best Scientist Award** from the National Academy of Biological Sciences for the year 2014 in recognition of his significant contributions in the field of Agricultural Sciences and Forestry (Horticulture).



**Dr. K. P. Suresh Naik**, IATian and Research Associate (Agronomy), Organic Farming Research Centre, UAHS, Navile, Shivamogga awarded **“Sir M. Vishveshwarayya Ratna Award”** on the occasion of Bharatha Ratna Sir. M. Vishveshwarayyas 155th birthday celebration held at Karnataka Sahithya Parishath Auditorium, Rajaji Nagara, Bangalore.



**Dr. S.S. Hiremath**, Senior Deputy Director, K.M.F, Dharwad, awarded **“Rajiv Gandhi Gold Medal Award”** for his outstanding contribution in the field of Animal Husbandry and Veterinary services and Society at large during 21<sup>st</sup> Birth Anniversary of Late Prime Minister Sri. Rajiv Gandhi.



**Dr. Niranjana Murthy**, Prof. & Scheme Head, AICRN on Potential Crops, University of Agricultural Sciences, Bengaluru received **“Best Oral Presentation”** Award for his lead paper entitled **“Socio-economic upliftment of Tribals through Under Utilized Crops - Efforts and Experiences with Grain Amaranth”** in the III International Symposium on Underutilized Plant Species held at TNAU, Madurai from 5<sup>th</sup> – 8<sup>th</sup> August, 2015.



Sri. Channappa Angadi, Secretary, IAT Dharwad Chapter was honoured with **B.T.L. Trust Puraskara** for his book entitled **“Krishi Karana”** during the release function held on 5-8-2015 at Kannada Sahithya Parishat, Chamarajpet. The programme was presided over by Sri. Pundalika Halambi, President, Kannada Sahithya Parishat and the book was released by Dr. Basavaraj Kalgudi.



Sri. H.B. Ramadagi, Programme Coordinator, Krishi Ranga Division, AIR Dharwad and an active life member of IAT bagged First Prize in the State Level Competition for the programme for **“O Barave Nanna Sutha Suliyadiru”** for 2014-15. The programme includes details on Droughts faced by the country, methods on water conservation, contingent crop plans to face the drought, insitu moisture conservation, Integrated Farming and on success stories.



**Dr. E. Jayarama Reddy**, President, IAT Chitradurga chapter, was unanimously elected as Honorary Treasurer to **“Myrada Training Institutional Committee”** in Chitradurga District.



**Dr B.F. Hulagur** former faculty UAS Bangalore and retired General Manager, NABARD and IATian was honoured with a memento and ‘Appreciation’ letter for presenting Vaicharika lekhana on **“Rajyada ahara belegalada Ragi mattu Jolakke Marukalisida mahatva”** on 26-09-2015 by Kavya Sinchana kalakendra trust, Bangalore.



**Dr. S.B. Yogananda**, Senior Farm Superintendent, Zonal Agricultural Research Station, V.C. Farm, Mandya presented a paper entitled **“Weed management in direct seeded wet sown rice”** during XVIII International Plant Protection Congress on 24-27, August 2015 held at Berlin, Germany.



**Dr. S. Chandrashekar**, Professor and Programme Coordinator (NSS) presented a research paper at 4<sup>th</sup> International Conference on Agriculture 2015 held from 13-15<sup>th</sup> July at Beijing, China and presented three papers and received Best Poster Presentation award for his research paper entitled “Efficacy of utilizing Sericultural wastes for vermicomposting with different species of Earthworms”.



**Dr. P. Ramanagowda**, Emeritus Professor of Agronomy, UAS(B) and **Dr. N. Krishnamurthy**, Dean of post graduate studies, UAS Bengaluru participated and presented a paper entitled Assessment of Traditional Drainage System with special reference to Karnataka State, India - A Case Study in the International Conference on Irrigation and Drainage of Montpellier - France. 11 to 16 October 2015.



**Dr. A.R. Kurubar** attended the Vth International Symposium on Fig held in Naples, Italy from the 31<sup>st</sup> August to 3<sup>rd</sup> September 2015 and presented the papers on Effect of growth regulator on Growth, Yield and Quality of Fig Production (*Ficus carica* L.) and Effect of Organic and Inorganic Fertilizers on Fruit Characters, Quality and Economics of Fig Production (*Ficus carica* L.).



**Dr. D. J. Bagyaraj**, Sr. Scientist and Chairman, CNBRCD, Bangalore was invited to attend the International Workshop on “Innovation of Environmental Stress Management for Spice crops” and delivered a lead paper on “Arbuscular Mycorrhizal Fungi and their Role in the Biological Control of Soil-borne Plant Pathogens” at Indonesian Spice and Medicinal Crops Research Institute, Bogor, Indonesia during August 25-27, 2015.

*IAT congratulates all the above technocrats for their achievements*

## OBITUARY

**IAT deeply mourn the death of the following Technocrats.**

- Sri. T.S.D. Raj, President, Karnataka Pesticide Manufacturers Association and General Manager, INDOFIL, Bangalore.
- Sri. G. Gurusiddaiah, Chairman, Karnataka Pesticide Manufacturers Association and Director of National Horticulture Board, Ministry of Agriculture, Govt. of India.
- Sri. R. Krishnamurthy, Joint Director of Agriculture, Tumkur.
- Sri. Sannaranga, Assistant Director of Agriculture (Retd.), Tumkur.

*The LIFE MEMBERSHIP OF IAT  
as on September 2015 - 4204*



Printed and Published by : **Institution of Agricultural Technologists**  
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