

**Dr. Manas Kumar Patra**, Scientist (Animal Reproduction), IVRI, Izatnagar, Bareilly, U.P.-243122 has been conferred Fakhruddin Ali Ahmed Award for Outstanding Research in Tribal Farming Systems 2014 as an Associate to Dr. Bidyut C. Deka, ICAR R.C. for NEH Region, Nagaland Centre, Jharnapani, Nagaland. They targeted scientific interventions for livelihood improvement of tribal farmers and carried out this throughout Nagaland under different projects like mega seed project on Pig, Seed project on poultry, Institute funded projects and TSP. More than ten technologies on livestock components, crop production, integrated farming systems etc. were introduced and successfully disseminated among the farmers, women SHGs and entrepreneurs. The untiring effort of Dr. Bidyut C. Deka and his team has changed the mindset of the people of 115 villages with direct benefit to 3000 farm families in the state. The cropping intensity was increased to more than 150% with additional income ranging between Rs. 10,000 to 50,000 with an employment generation of 250 to 365 days per year as compared to only 60 days in rice based mono cropping system due to popularization of high yielding and short & medium duration crop varieties. Popularization of improved backyard poultry and pig variety has increased the consumption of animal protein several fold from near negligible amount to 12-40 kg per year per household. Introduction of artificial insemination has created positive impact on adoption of pig breeding in Nagaland. Now, integrated farming system with incorporation of improved germplasm of pig & poultry, high yielding variety of paddy, maize, mustard, pulses and horticultural crops has become a regular practice in many villages in the state.

**Dr. Rakesh Kumar**, Scientist (Agronomy), ICAR RC for Eastern Region, Patna, Bihar-800014, has been conferred Fakhruddin Ali Ahmed Award for Outstanding Research in Tribal Farming Systems 2014 as an Associate to Dr. Bidyut C. Deka, ICAR R.C. for NEH Region, Nagaland Centre, Jharnapani, Nagaland. They targeted scientific interventions for livelihood improvement of tribal farmers and carried out this throughout Nagaland under different projects like mega seed project on Pig, Seed project on poultry, Institute funded projects and TSP. More than ten technologies on livestock components, crop production, integrated farming systems etc. were introduced and successfully disseminated among the farmers, women SHGs and entrepreneurs. The untiring effort of Dr. Bidyut C. Deka and his team has changed the mindset of the people of 115 villages with direct benefit to 3000 farm families in the state. The cropping intensity was increased to more than 150% with additional income ranging between Rs. 10,000 to 50,000 with an employment generation of 250 to 365 days per year as compared to only 60 days in rice based mono cropping system due to popularization of high yielding and short & medium duration crop varieties. Popularization of improved backyard poultry and pig variety has increased the consumption of animal protein several fold from near negligible amount to 12-40 kg per year per household. Introduction of artificial insemination has created positive impact on adoption of pig breeding in Nagaland. Now, integrated farming system with incorporation of improved germplasm of pig & poultry, high yielding variety of paddy, maize, mustard, pulses and horticultural crops has become a regular practice in many villages in the state.

**Dr.S.V.Ngachan**, Director, ICAR Research Complex for NEH Region, Umroi Road, Umiam, Meghalaya-793103, has been conferred Fakhruddin Ali Ahmed Award for Outstanding Research in Tribal Farming Systems 2014 as an Associate to Dr.Bidyut C. Deka, ICAR R.C. for NEH Region, Nagaland Centre, Jharnapani, Nagaland. They targeted scientific interventions for livelihood improvement of tribal farmers and carried out this throughout Nagaland under different projects like mega seed project on Pig, Seed project on poultry, Institute funded projects and TSP. More than ten technologies on livestock components, crop production, integrated farming systems etc. were introduced and successfully disseminated among the farmers, women SHGs and entrepreneurs. The untiring effort of Dr. Bidyut C. Deka and his team has changed the mindset of the people of 115 villages with direct benefit to 3000 farm families in the state. The cropping intensity was increased to more than 150% with additional income ranging between Rs. 10,000 to 50,000 with an employment generation of 250 to 365 days per year as compared to only 60 days in rice based mono cropping system due to popularization of high yielding and short & medium duration crop varieties. Popularization of improved backyard poultry and pig variety has increased the consumption of animal protein several fold from near negligible amount to 12-40 kg per year per household. Introduction of artificial insemination has created positive impact on adoption of pig breeding in Nagaland. Now, integrated farming system with incorporation of improved germplasm of pig & poultry, high yielding variety of paddy, maize, mustard, pulses and horticultural crops has become a regular practice in many villages in the state.

**Dr.S.K.Patil**, Vice-Chancellor, Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh-492012 has been conferred Fakhruddin Ali Ahmed Award for Outstanding Research in Tribal Farming Systems 2014 as an Associate to Dr.G.P.Pali, Dean, College of agriculture, Kanker, Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh-492012. The team worked on “Improving Rural Livelihood Security Through Sustainable integrated Farming System Model and Allied enterprises in Bastar region of Chhattisgarh (NAIP-3) from 2008 to 2012-13. SGCARS, Jagdalpur is lead centre at Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh. The technologies generated from this work are very useful, in improving livelihood security, mitigating drought, poverty, hunger and malnutrition and check migration of rural mass in the tribal area of Chhattisgarh. Work of Krishi Vigyan Kendra, Kanker started from 2008 to 2015. Various modules of IFS were established at different tribal dominated villages of Kanker district with support from KVK, Kanker and AICRP on Integrated Farming System-Tribal Sub-Plan at Krishi Vigyan Kendra, Kanker (C.G.) from 2012 to 2015.

**Dr. Birbal Sahu**, Programme Coordinator, Krishi Vigyan Kendra, Kanker, Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh-492012 has been conferred Fakhruddin Ali Ahmed Award for Outstanding Research in Tribal Farming Systems 2014 as an Associate to Dr.G.P.Pali, Dean, College of agriculture, Kanker, Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh-492012. The team worked on “Improving Rural Livelihood Security Through Sustainable integrated Farming System Model and Allied enterprises in Bastar region of Chhattisgarh (NAIP-3) from 2008 to 2012-13. SGCARS, Jagdalpur is lead centre at Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh. The technologies generated from this work are very useful, in improving livelihood security, mitigating drought, poverty, hunger and malnutrition and check migration of rural mass in the tribal area of Chhattisgarh. Work of Krishi Vigyan Kendra, Kanker started from 2008 to 2015. Various modules of IFS were established at different tribal dominated villages of Kanker district with support from KVK, Kanker and AICRP on Integrated Farming System-Tribal Sub-Plan at Krishi Vigyan Kendra, Kanker (C.G.) from 2012 to 2015.

**Dr.Rama Mohan Savu**, Scientist (Agronomy), Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh-492012 has been conferred Fakhruddin Ali Ahmed Award for Outstanding Research in Tribal Farming Systems 2014 as an Associate to Dr.G.P.Pali, Dean, College of Agriculture, Kanker, Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh-492012. The team worked on “Improving Rural Livelihood Security Through Sustainable integrated Farming System Model and Allied enterprises in Bastar region of Chhattisgarh (NAIP-3) from 2008 to 2012-13. SGCARS, Jagdalpur is lead centre at Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh. The technologies generated from this work are very useful, in improving livelihood security, mitigating drought, poverty, hunger and malnutrition and check migration of rural mass in the tribal area of Chhattisgarh. Work of Krishi Vigyan Kendra, Kanker started from 2008 to 2015. Various modules of IFS were established at different tribal dominated villages of Kanker district with support from KVK, Kanker and AICRP on Integrated Farming System-Tribal Sub-Plan at Krishi Vigyan Kendra, Kanker (C.G.) from 2012 to 2015.

**Dr. Manisha Kaushal**, has been conferred Dr. Rajendra Prasad Puruskar for technical books in Hindi in Agricultural and Allied Sciences 2015 as an Associate to Dr. Devina Vaid, Pri.Sci, Deptt. Of Food Science & Technology, Dr. Y.S. Parmar Uni. Of Hort. & Forestry, Nauni, Solan-173230 (HP). The book 'प्लम व खुमानी का प्रसंस्करण', mainly concerns the processing and preservation of plum and apricot. Apart from these two crops different aspects like how to set up a processing industry, types of processing unit, principles and methods of preservation and processing, recipes and methodology along with process flow sheets for preparation of different value added products have been covered. A separate chapter on canning and bottling of fruits and vegetables, drying and dehydration techniques, and finally the complete oil extraction technology and methods from stone fruits like apricot and plum has been included along with self explanatory process flow sheet and photographs. The recipes and preparation techniques for different fruits and vegetable products have also been included in the manuscript in tabular form at the end, which makes the book helpful for every reader.

**Dr. Anil Kumar Verma**, has been conferred Dr. Rajendra Prasad Puruskar for technical books in Hindi in Agricultural and Allied Sciences 2015 as an Associate to Dr. Devina Vaid, Pri.Sci, Deptt. Of Food Science & Technology, Dr. Y.S. Parmar Uni. Of Hort. & Forestry, Nauni, Solan-173230 (HP). The book 'प्लम व खुमानी का प्रसंस्करण', mainly concerns the processing and preservation of plum and apricot. Apart from these two crops different aspects like how to set up a processing industry, types of processing unit, principles and methods of preservation and processing, recipes and methodology along with process flow sheets for preparation of different value added products have been covered. A separate chapter on canning and bottling of fruits and vegetables, drying and dehydration techniques, and finally the complete oil extraction technology and methods from stone fruits like apricot and plum has been included along with self explanatory process flow sheet and photographs. The recipes and preparation techniques for different fruits and vegetable products have also been included in the manuscript in tabular form at the end, which makes the book helpful for every reader.

**Dr. Anil Gupta**, has been conferred Dr. Rajendra Prasad Puruskar for technical books in Hindi in Agricultural and Allied Sciences 2015 as an Associate to Dr. Devina Vaid, Pri. Sci, Deptt. Of Food Science & Technology, Dr. Y.S. Parmar Uni. Of Hort. & Forestry, Nauni, Solan-173230 (HP). The book 'प्लम व खुमानी का प्रसंस्करण', mainly concerns the processing and preservation of plum and apricot. Apart from these two crops different aspects like how to set up a processing industry, types of processing unit, principles and methods of preservation and processing, recipes and methodology along with process flow sheets for preparation of different value added products have been covered. A separate chapter on canning and bottling of fruits and vegetables, drying and dehydration techniques, and finally the complete oil extraction technology and methods from stone fruits like apricot and plum has been included along with self explanatory process flow sheet and photographs. The recipes and preparation techniques for different fruits and vegetable products have also been included in the manuscript in tabular form at the end, which makes the book helpful for every reader.

**Dr. Anil Dixit**, has been conferred Dr. Rajendra Prasad Puruskar for technical books in Hindi in Agricultural and Allied Sciences 2015 as an Associate to Dr. Devina Vaid, Pri. Sci, Deptt. Of Food Science & Technology, Dr. Y.S. Parmar Uni. Of Hort. & Forestry, Nauni, Solan-173230 (HP). The book 'प्लम व खुमानी का प्रसंस्करण', mainly concerns the processing and preservation of plum and apricot. Apart from these two crops different aspects like how to set up a processing industry, types of processing unit, principles and methods of preservation and processing, recipes and methodology along with process flow sheets for preparation of different value added products have been covered. A separate chapter on canning and bottling of fruits and vegetables, drying and dehydration techniques, and finally the complete oil extraction technology and methods from stone fruits like apricot and plum has been included along with self explanatory process flow sheet and photographs. The recipes and preparation techniques for different fruits and vegetable products have also been included in the manuscript in tabular form at the end, which makes the book helpful for every reader.

**Dr.A.Velmurugan**, has been conferred Dr. Rajendra Prasad Puruskar for technical books in Hindi in Agricultural and Allied Sciences 2015 as an Associate to Dr.S.K.Amvast, Director,IIWM, Bhubaneswar. The publication strives to compile the information on land and water management of the coastal and island regions of India from available literature sources which are scattered and also compile the experiences of the authors. It covers various aspects such as agro-ecological setting, socio-economic importance, resource endowment and constraints of agricultural development in these regions. The land degradation is a serious problem in this region, which is given more attention along with detailed description of recent technologies for land management. The efficient alternative cropping systems suitable for increasing productivity of the region is dealt separately. Water is a major constraint for crop production though it is available in plenty especially in island region and attempts has been made to cover the status of water quality, water resources and irrigation needs of major crops of this region. It also gives detailed information on various technologies for rainwater harvesting and its efficient use specific to this region. As the region is vulnerable to climate change events, the publication covers the recent weather pattern, impacts of climate change and climate resilient technologies for this region. The publication also deals with the mangroves which act as buffer in protecting these regions from sea erosion, cyclones and tsunami. This is technically described as bio-shield which is relatively new in Hindi literature. The publication also brought out the scope and potential of organic farming in this region along with various technologies for organic production of various crops and its value addition for improving the livelihood of coastal communities.

**Dr.T.P.Swarnam**, has been conferred Dr. Rajendra Prasad Puruskar for technical books in Hindi in Agricultural and Allied Sciences 2015 as an Associate to Dr.S.K.Amvast, Director,IIWM, Bhubaneswar. The publication strives to compile the information on land and water management of the coastal and island regions of India from available literature sources which are scattered and also compile the experiences of the authors. It covers various aspects such as agro-ecological setting, socio-economic importance, resource endowment and constraints of agricultural development in these regions. The land degradation is a serious problem in this region, which is given more attention along with detailed description of recent technologies for land management. The efficient alternative cropping systems suitable for increasing productivity of the region is dealt separately. Water is a major constraint for crop production though it is available in plenty especially in island region and attempts has been made to cover the status of water quality, water resources and irrigation needs of major crops of this region. It also gives detailed information on various technologies for rainwater harvesting and its efficient use specific to this region. As the region is vulnerable to climate change events, the publication covers the recent weather pattern, impacts of climate change and climate resilient technologies for this region. The publication also deals with the mangroves which act as buffer in protecting these regions from sea erosion, cyclones and tsunamis. This is technically described as bio-shield which is relatively new in Hindi literature. The publication also brought out the scope and potential of organic farming in this region along with various technologies for organic production of various crops and its value addition for improving the livelihood of coastal communities.

**Dr.B.Gangwar**, has been conferred Dr. Rajendra Prasad Puruskar for technical books in Hindi in Agricultural and Allied Sciences 2015 as an Associate to Dr.S.K.Amvast, Director,IIWM, Bhubaneswar. The publication strives to compile the information on land and water management of the coastal and island regions of India from available literature sources which are scattered and also compile the experiences of the authors. It covers various aspects such as agro-ecological setting, socio-economic importance, resource endowment and constraints of agricultural development in these regions. The land degradation is a serious problem in this region, which is given more attention along with detailed description of recent technologies for land management. The efficient alternative cropping systems suitable for increasing productivity of the region is dealt separately. Water is a major constraint for crop production though it is available in plenty especially in island region and attempts has been made to cover the status of water quality, water resources and irrigation needs of major crops of this region. It also gives detailed information on various technologies for rainwater harvesting and its efficient use specific to this region. As the region is vulnerable to climate change events, the publication covers the recent weather pattern, impacts of climate change and climate resilient technologies for this region. The publication also deals with the mangroves which act as buffer in protecting these regions from sea erosion, cyclones and tsunami. This is technically described as bio-shield which is relatively new in Hindi literature. The publication also brought out the scope and potential of organic farming in this region along with various technologies for organic production of various crops and its value addition for improving the livelihood of coastal communities.

**Dr.A.K.Dixit**, Senior Scientist (Agronomy), IGFRI, Jhansi has been conferred Vasant Rao Naik Award for Research Application in Agriculture 2015 as an Associate to Dr.Sunil Kumar, Principal Scientist, IGFRI, Jhansi. The team worked on efficient resource management (soil & water), sustainable intensification and alternate land use systems for food and fodder security in Bundelkhand-a water scarce zone. They developed a climate resilient production system with soil moisture conservation techniques for enhancing double cropping (food-fodder combination). They established that in-situ and ex-situ water harvesting is a viable technology needed for crop intensification and diversification, providing water for life saving irrigation, recharging of wells in Bundelkhand region, leading to increased farm family income, livelihood improvement and substantial reduction in migration of rural youth.

**Dr.Kiran Kumar Tirumala**, Scientist (Agronomy), IGFRI, Jhansi, has been conferred Vasant Rao Naik Award for Research Application in Agriculture 2015 as an Associate to Dr.Sunil Kumar, Principal Scientist, IGFRI, Jhansi. The team worked on efficient resource management (soil & water), sustainable intensification and alternate land use systems for food and fodder security in Bundelkhand-a water scarce zone. They developed a climate resilient production system with soil moisture conservation techniques for enhancing double cropping (food-fodder combination). They established that in-situ and ex-situ water harvesting is a viable technology needed for crop intensification and diversification, providing water for life saving irrigation, recharging of wells in Bundelkhand region, leading to increased farm family income, livelihood improvement and substantial reduction in migration of rural youth.

**Dr.S.K.Rai**, Principal Scientist(Agro-Meteorology), IGFRI, Jhansi has been conferred Vasant Rao Naik Award for Research Application in Agriculture 2015 as an Associate to Dr.Sunil Kumar, Principal Scientist, IGFRI, Jhansi. The team worked on efficient resource management (soil & water), sustainable intensification and alternate land use systems for food and fodder security in Bundelkhand-a water scarce zone. They developed a climate resilient production system with soil moisture conservation techniques for enhancing double cropping (food-fodder combination). They established that in-situ and ex-situ water harvesting is a viable technology needed for crop intensification and diversification, providing water for life saving irrigation, recharging of wells in Bundelkhand region, leading to increased farm family income, livelihood improvement and substantial reduction in migration of rural youth.

**Dr.Rajiv Kumar Agrawal**, Principal Scientist(Agronomy), IGFRI, Jhansi, has been conferred Vasant Rao Naik Award for Research Application in Agriculture 2015 as an Associate to Dr.Sunil Kumar, Principal Scientist, IGFRI, Jhansi. The team worked on efficient resource management (soil & water), sustainable intensification and alternate land use systems for food and fodder security in Bundelkhand-a water scarce zone. They developed a climate resilient production system with soil moisture conservation techniques for enhancing double cropping (food-fodder combination). They established that in-situ and ex-situ water harvesting is a viable technology needed for crop intensification and diversification, providing water for life saving irrigation, recharging of wells in Bundelkhand region, leading to increased farm family income, livelihood improvement and substantial reduction in migration of rural youth.

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