



ICAR-DPR NEWS



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July – December 2021

SARDAR PATEL OUTSTANDING ICAR INSTITUTION

ISO 9001:2015 Certified Institute

DIRECTOR'S COLUMN

It gives me immense pleasure to present the newsletter of the institute for July-December 2021 period. Despite the challenges posed by the ongoing pandemic, the Directorate strived to serve the poultry farming community in the country. During this period, a new crossbred for meat purpose as an alternate to native chicken farming was developed. Kadaknath, the most popular and unique native chicken breed of India



was evaluated for various production traits and its fertile eggs and day old chicks were supplied to the farmers. Research was initiated to evaluate the feeding value of Black Soldier Fly larva meal and the results of a pilot study indicated that it could be safely included up to 12% in the diet of Vanaraja chicks. At Bhubaneswar center, research is focused on duck, the second most important species of poultry in the country. The results of a nutritional experiment on White Pekin ducks indicated that feeding diet based on wheat and broken rice

in equal ratio was beneficial and economical. The process of earthworm production in cement concrete rings was also standardized for feeding to ducks. At the headquarters, infrastructure for integrated moringa-backyard poultry-vermifarming was created. In addition, various activities under Azadi Ka Amrut Mahotsav, Swachh Bharat, Mera Gaon Mera Gaurav and Hindi implementation (Pakwada) programs were carried out. Under the transfer of technologies, various inputs were distributed to the beneficiaries of scheduled tribes and schedule castes under STP and DAPSC programs. I am happy that a total of 6,93,031 improved chicken germplasm was supplied thought out the country during the period.

(R. N. Chatterjee)
Director

IN THIS ISSUE

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DDG (Animal Science), ICAR visits ICAR-DPR

Dr. B. N. Tripathi, Deputy Director General (Animal Science), ICAR, New Delhi visited the Directorate on 22nd October 2021. During his interaction with scientists of the Directorate, Dr. Tripathi lauded the contribution of ICAR-DPR in the improvement of poultry production in the country, particularly the backyard poultry production through the dissemination of improved chicken varieties throughout the country. Dr. Tripathi opined that everyone must be ready for accepting the challenges of the present-day poultry sector and meet the stakeholders' expectations. He identified 10 actionable points that need to be given priority in the coming five years. The DDG (AS) advised the institute to conduct regular interface meetings with the industry and formulate the projects based

on the industry needs. He also advised to take up collaborative projects with industry and other Institutions. Earlier, Dr. B.N. Tripathi inaugurated the newly constructed "Bioinformatics laboratory" at the Directorate. Dr. Praveen Malik, Animal Husbandry Commissioner, DAHD, GOI, Dr. A. K. Tyagi, ADG (ANP), ICAR, Dr. S.B. Barbuddhe, Director, ICAR-NRC on Meat and other dignitaries also graced the occasion. The dignitaries also participated in the special Swachhta campaign on the occasion of the 152nd Birth Anniversary of the Father of the Nation and planted trees in the campus. Dr. A.K. Tyagi, ADG (ANP) appreciated the contribution of the institute to the poultry sector. Dr. R.N. Chatterjee, Director, ICAR-DPR highlighted the research achievements of the institute. He also narrated the future thrust areas for which the Institute has prepared the road map in the EFC.



RESEARCH HIGHLIGHTS

A new crossbred for meat purpose as an alternate to native chicken farming developed

A promising crossbred chicken for meat purpose as an alternate to native chicken farming was developed. The birds were evaluated both under farm and field conditions. A total of 438 birds in farm and 1000 birds under field conditions were evaluated under intensive system of management with full feeding on broiler ration. The body weight at 12 weeks of age was 1716 ± 64.10 g in farm and 1661 ± 18.58 g in farmer's field. The expenditure per 100 birds ranged from Rs. 15,000-19,500 among the farmers with an average of Rs. 17,200. The average gross income per farmer was Rs. 32,023. The average total income earned by each farmer including cocks and bulk sales was Rs. 32,023 by rearing 100 crossbred birds in 3-4 months. The net profit was Rs. 14,823 per farmer. The Cost benefit ratio of the variety was 1.86, which was almost double the cost of investment indicating the bright scope for taking up this activity. The return on investment was calculated to be 86.2%. The cost of production and gross income per bird was Rs. 172 and Rs. 320, respectively. The net income was Rs. 148 per bird. The return on variable cost was Rs.14,823 for 100 bird unit and Rs. 148 per bird. The calculated monthly earnings per each farmer were Rs. 3,708 by rearing 100 birds.

U. Rajkumar, et al.

Kadaknath: A popular native chicken with unique black coloured characteristics

Kadaknath is one of the most popular and unique native chicken breeds of India. Its entire body parts including plumage, skin, shank and internal organs are black. The black colour of the bird is due to hyperpigmentation associated with fibromelanosis caused by a single autosomal (*Fm*) gene. The performance of Kadaknath was evaluated under farm conditions at ICAR-DPR. The overall mean of body weight at 0 days, 4 and 8 weeks of age was 29.51, 124.4 and 403.7 g, respectively. The average body weight of males and females at 16 weeks of age was 1,097 and 846.3 g, respectively. Adult body weight at 20 weeks of age was 1,569 g in males and 1,111 g in females. The ASM was 176.2 days. Egg weight at 28 and 40 weeks was 40.61 and 45.78 g, respectively. Egg production of 76.27 eggs was recorded up to 40 weeks. Body weight at 40 weeks of age was 2,173 g in males and 1,485 g in females. Egg production up to 64 and 72 weeks was 149.2 and 177.03 eggs, respectively. Body weight at 64 weeks was 2,359 and 1,661g in males and females, respectively. Liveability was 91.0, 91.6 and 94.8 %, during 0-8, 8-20 and 20-40 weeks of age. Kadaknath is the most popular breed and is witnessing high demand in recent times due to its unique characteristics and perceived health benefits of consuming its meat and eggs. A total of 13,165 Kadaknath germplasm [hatching eggs (2,071) and day-old chicks (11,094)] were supplied during the period.

L. Leslie Leo Prince et al.

Black Soldier Fly larva meal shows promise as a novel source of protein in the diet of Vanaraja chicks

A feeding experiment was conducted to evaluate the sample of BSF Larva Meal (BSFLM) obtained from Karnataka in the diet of Vanaraja chicks at graded levels. A total of 420 day-old Vanaraja chicks were divided at random into 5 treatment groups with 14 replicates of 6 chicks each. Experimental diets containing BSFLM at 0, 3, 6, 9 and 12% were compounded on *iso-caloric* and *iso-nitrogenous* basis and fed *ad libitum* to the chicks from 0 to 6 weeks of age. The response of chicks was assessed in terms of performance, serum biochemical profile and immune response. In addition, data were also collected in collaboration with ICAR-NRC on Meat, Hyderabad on dressing yields and carcass variables including meat quality.

BSFLM inclusion in diet up to 12% showed no adverse effect on the performance of Vanaraja chicks (body weight gain, feed intake and FCR) during 0-6 weeks of age. Instead,



Dried BSF larvae

BSF larva meal

during the first 2 weeks of life of the chicks, beneficial effects on body weight gain were recorded in the groups fed BSFLM at graded levels. Humoral immune response (ND titres) was higher at the lower levels of BSFLM in comparison to control, while cellular immune response (PHA-P response) was not affected. Serum concentration of SGPT increased significantly at the higher levels of 9 and 12% BSFLM and that of SGOT decreased at the highest level of 12% BSFLM in diet. The slaughter data indicated that dressing yields, organ weights, intestine weight, carcass cutup parts, meat quality including sensory traits were not affected by BSFLM inclusion in diet. The overall results thus indicated that BSFLM could be safely included up to 12% in the diet of Vanaraja chicks during 0-6 weeks of age with beneficial effects on growth during early life.

M.V.L.N. Raju et al.

Production performance of White Pekin ducks during first phase of laying on different cereal-based diets under intensive rearing system

White Pekin ducks are reared under intensive rearing system for meat and egg production. Depending upon the availability, duck farmers use different types of cereals viz. wheat, broken rice, etc. for feeding their ducks. Therefore, a study was conducted to find out the production performance of White Pekin ducks during first phase of laying under intensive rearing system. White Pekin laying ducks (45; 165 days) were divided into three groups; and diets without broken rice (BR-0) and

with broken rice (BR), replacing 50 (BR-50) and 100 (BR-100) percent of wheat; were fed for a period of 115 days till the ducks attained 40 weeks. All the diets were iso-nitrogenous (18.31-18.70, %CP) and iso-caloric (2610-2660, ME, Kcal/kg). The total feed intake (17.54-18.28, kg) and egg production (6.29-7.02, dozen) were similar among the groups. There was no significant difference in the percentage of duck day egg production (DDEP) among BR-0 group (68.22%), BR-50 group (72.63%) and BR-100 group (65.11%). The feed conversion ratio (feed consumed in kg per dozen egg production) was similar among the groups and ranged from 2.62 to 2.79.

The cost (Rs.) per kg feed in BR-0, BR-50 and BR-100 was 32.50, 31.95 and 31.56, respectively. The cost (Rs.) per egg in BR-50 (6.97) was lower than BR-100 (7.33) and BR-0 (7.42). The egg weight (71.27-72.16, g), egg shape index (67.11-69.19), albumen index (0.12-0.13), yolk index (0.42-0.44), Haugh unit (85.43-86.98), egg contents viz. percentage of albumen (55.09-55.71), yolk (31.75-32.38) and shell weights (12.45-12.63) were similar among the groups. The shell thickness (mm) with membrane was higher ($P>0.05$) in BR-100 group (0.53) than BR-0 group (0.51); but both were similar to BR-50 group (0.53). However, the shell thickness without membrane (0.43-0.44, mm) was similar ($P>0.05$) among the groups. It could be concluded that White Pekin ducks during first phase of laying can be raised on different cereals viz. wheat and broken rice-based diets under intensive rearing system; however, mixture of wheat and broken rice in equal ratio increased the performance and was economical.

P. K. Naik et. al.

Standardization of earthworm production in cement concrete rings

Cement concrete rings (diameter-3ft, height-2ft) were fixed on cement concrete floor. Shade was provided with green net supported by bamboo frame. In the first treatment, the cement concrete ring was filled with matured cow dung (15 days old) and biomass (green grass and dried leaves matured



for 15 days) in alternate layers of 8-inch depth in three layers. In the second treatment, the cement concrete ring was filled with mixture (50:50) of matured cow dung and duck litter (15 days old) and biomass (green grass and dried leaves matured for 15 days) in alternate layers of 8-inch depth in three layers. Each ring was inoculated with 500 g of earthworm (*Eisenia foetida*) culture. From each ring, 2.5-3.0 kg of earthworm was harvested after a period of 70-80 days.

B. K. Swain

Model project and Demonstration Unit for backyard Poultry, Livestock, Vermi-farming and Moringa Integration

Infrastructure development

Boundary wall (linked chain mesh) was erected over one-foot brick wall around one acre of land. The total area of the entire Moringa field is 63,000 sq.ft. Entry passages and gates were also provided.

Plantation of Moringa plants

The land was cleared off the bushes and rocks were removed from the field. Land levelling, ploughing and land preparation were also completed. Ridge cutting was done for seed sowing. Moringa seeds were sown and water sprinklers were established.



Ridge cutting for seed sowing



Water sprinklers established



Moringa plants erupted over the land

Shed construction

Night shelter construction for birds was completed. A total of 7-night shelters were constructed with an area of 3502 sq. ft. and area of each night shelter was about 18 ft. X 10 ft. = 180 sq. ft.



Birds housed in night shelters in Moringa farm



Night shelters for birds in Moringa farm

Vermicompost shed for the culture of earthworms was completed. Vermicompost with Jaigopal breed of earthworms has been established in the vermicompost shed.



Vermicompost Pits



Vermicompost Shed

Video on Integrated farming of chicken with Moringa prepared

- One video on “Integrated farming of chicken with Moringa” was prepared for the benefit of the farmers.
- Another video on “Moringa aur murgionke eakeekrit kheti” was also prepared in Hindi language.

Two folders were published on Moringa Integrated Farming System, which were released by Dr. B.N. Tripathi, DDG (Animal Sciences) in presence of Animal Husbandry



Dr. B.N. Tripathi releasing the folder on IFS

Commissioner, GOI, ADG (ANP), ICAR and Director, ICAR-NRC on Meat along with Director, ICAR-DPR.

R. K. Mahapatra, et al.

EVENTS ORGANISED

- Under celebration of 75th Anniversary of India's independence from 15th August, 2021-15th August, 2022, women entrepreneurs were shown techniques related to poultry rearing and its importance, which was coordinated by Dr. N. Anand Laxmi, Pr. Scientist on 23rd December 2021.
- Live streaming of Hon'ble PM's program on National Conference on “Natural Farming (Zero Budget Natural Farming)” during Pre-Vibrant Gujarat Summit 2021 was web telecasted at the Directorate and at the Regional Centre, Bhubaneswar on 16th December 2021. The staff of the Directorate participated in the program. Information on this important event was posted on institute's Twitter and Facebook pages for wider publicity and coverage.
- The Directorate also organized the live streaming program in MGMG adopted village and a total of 75 farmers of Bavoji Tanda, a tribal village of Balanagar (Mandal), Mahabubnagar (Dist.), Telangana have participated and viewed the Hon'ble Prime Minister's Program on Natural Farming. A Scientist-Farmer interaction was organized and farmers were explained about the role of backyard poultry and its importance in natural farming. The concept of poultry waste management and the advantages of making compost and vermicompost out of poultry litter was explained to the farmers. The farmers were briefed about the benefits of organic farming and the conversion of waste into wealth. The importance of using toilets in combating several food and water-borne diseases was explained. The need for the segregation of waste into recyclable and non-recyclable categories was also emphasized for the protection of the environment.

Health management of birds was explained and birds were vaccinated with ND Lasota vaccine. Vitamin supplements were also provided. Information on the nutritional benefits of eggs was explained and boiled eggs were distributed to the farmers. Farmers were also provided with Vermipoul, vermicompost, developed at the institute from poultry litter. A team of scientists comprising Drs. M.R. Reddy, R.K. Mahapatra, T. K. Bhattacharya, L. Leslie Leo Prince, B. Prakash and S. Jayakumar (Coordinator) participated in the program and elaborated on the various activities of the Directorate and the importance of the MGMG program in the village.



Live streaming of Hon'ble PM'S Program on Natural Farming



Live streaming of Hon'ble PM'S Program on Natural Farming at Village



Scientist- Farmer interaction



Director participating in Tree plantation as part of ICARs Foundation day celebrations

Programmes organized under Swachh Bharat Programme

Several events were organized under Swachh Bharat Programme at the institute during the period

Hindi Implementation

The Directorate conducted two quarterly meetings of Official Language Implementation Committee on 18-08-2021 and 21-12-2021, in which different issues related to effective implementation of Hindi Language in office were discussed. The Directorate also conducted two Virtual Hindi workshops,



Director addressing the participants at the Mega Campaign on Nutri Garden on 17th September 2021



Director and DPR staff organizing Swachhtha rally during the 152nd Birth Anniversary celebrations of Shri Mahatma Gandhiji



Director, staff and school children reading the preamble of the constitution on 26th November 2021



Young minds planting saplings on 5th December 2021 during World Soil Day celebrations



Women farmers participating in the Rashtriya Kisan Diwas on 23rd December 2021 during Swachhtha Pakwada celebrations

i.e. on 14-09-2021 and 28-12-2021 for employees to upgrade their Hindi language skills as official language. Both the workshops were very much informative and useful to the staff for their routine works.

The Directorate also celebrated Hindi Fortnight celebrations during 1-15 September 2021 and Hindi Day on 14th September 2021. Different literary competitions were conducted for the staff members. Dr. R.N. Chatterjee, Director highlighted the importance of Hindi language and its vast usage throughout the country. The Director presented cash awards and certificates to all winners and wishes them. All the programs were conducted during this period duly following the Covid-19 instructions.

The TOLIC meeting was attended on 02-12-2021 at NIRDPR, Rajendranagar, Hyderabad. During this period, Dr. S. Jayakumar, Sr. Scientist and Shri. G. Madhukar, Technical Officer successfully completed the Hindi Pragma Course, which was conducted by Central Hindi Teaching Scheme, Hyderabad. Regional conference of South and South western regions was attended by Dr. R.K. Mahapatra, Pr. Scientist, Dr. S.P. Yadav, Pr. Scientist and Shri. J. Srinivas Rao, ACTO at NFC, Hyderabad on 04-12-2021.



Dr. R.N. Chatterjee, Director addressing the staff on Hindi Diwas

TRANSFER OF TECHNOLOGY

Scheduled Tribe Component/ TSP Program

ICAR-DPR distributes inputs for backyard poultry rearing to tribal farmers of Adilabad District, Telangana

The Directorate distributed improved backyard chicken varieties (Vanaraja and Gramapriya) to Gond tribes of Tummaguda village (Indervalli Mandal), Adilabad district (Telangana) on 25th September 2021 under the DAPSTC programme. The programme aimed at improving the livelihood and nutritional security of remote tribal families through enhanced egg and meat production. Different inputs for backyard poultry rearing including the grown-up birds (825), night shelters (100), feeders (100), waterers (100) and feed (1600kgs) were distributed to 100 farmers to establish a small backyard unit as a subsidiary income provider. Dr. R.N. Chatterjee, Director, ICAR-DPR addressed the farmers and explained about the role of backyard poultry in sustainable rural livelihoods and doubling farmers income by 2022. Peoples' representatives from local bodies actively participated in the programme and appreciated the efforts taken by the Directorate for the upliftment of the tribal farmers. The programme was attended by 200 tribal farmers including women in large numbers. Wearing masks, maintaining social distancing and SOP as per COVID guidelines were followed. The team of Scientists from the Directorate interacted with tribal beneficiaries and elaborated about scientific rearing of rural improved chicken varieties to obtain maximum benefit from the birds. Dr. M.V.L.N.

Raju, Dr. U. Rajkumar, Dr. L.L.L. Prince, Dr. B. Prakash, Dr. K.S. Rajaravindra and Dr. S. Jayakumar from the Directorate participated in the programme. The programme was organized and coordinated by the TSP cell of the Directorate.



Distribution of inputs for backyard poultry farming under TSP program by Dr. R.N. Chatterjee, Director and Scientists

Shri Soyam Babu Rao, Hon'ble Member of Parliament (Lok Sabha) participated in TSP program organized at Heerapur village, Adilabad, Telangana

The Directorate organized backyard poultry distribution programme at Heerapur village of Adilabad district of Telangana under the Development Action Plan for Scheduled Tribes (TSP) on 24th December 2021. Seventy-six farmers were given grown-up birds, night shelter, feeder, waterer and medicine kit. The farmers were given demonstration and hands on training on scientific rearing of poultry. They were also appraised about the additional benefits of rearing the improved chicken varieties like Vanaraja, Gramapriya and Srinidhi before the input distribution.

Shri Soyam Babu Rao, Hon'ble Member of Parliament (Lok Sabha) participated in the program as the Chief Guest. He highlighted the importance of poultry and livestock sector in making agriculture profitable. He narrated the vision of Prime Minister in doubling the farmers income and the role of poultry towards achieving the goal. He appreciated the efforts of ICAR-DPR in popularizing backyard poultry in the tribal district of Adilabad and urged the Director to cover more number of villages in future. Dr. R N Chatterjee, Director, ICAR-DPR presided over the programme and emphasized the role of the institute in livelihood and income generation through backyard poultry in the country. Dr. U. Rajkumar, Pr. Scientist & In charge, TSP programme explained



Shri Soyam Babu Rao, Hon'ble Member of Parliament (Lok Sabha) distributing inputs

about the objective and implementation of the TSP program in Adilabad district. The Sarpanch and MPTC of Heerapur village, other representatives of local bodies from Indravelli Mandal, officials from ITDA, Uttoor and team of scientists from ICAR-DPR participated in the program. Dr. B. Prakash, Pr. Scientist, ICAR-DPR, Hyderabad proposed vote of thanks.

Distribution of night shelters at Yapalguda Village

ICAR-DPR distributed a total of 74 numbers night shelters to 74 tribal beneficiaries of Yapalguda Village, Neradigonda (Mandal), Adilabad Dist., Telangana on 23rd December 2021. The tribal farmers were explained about the benefits of backyard farming and its management practices under free range backyard system.

Feedback and Impact analysis of TSP programme

ICAR-DPR has been continuously working with the tribal community of Adilabad district of Telangana through backyard poultry. The major emphasis was to create an alternative and supportive source of income, food security especially enhancing the animal protein consumption in diet and employment generation. In the last two years, the income through poultry has increased by 204% and the major contributor was flock size (increased by 174.7%) and reduced mortality by predators (300%). The increased flock inventory also contributed to increased egg consumption by 179.2% (weekly basis/household) and chicken meat consumption by 230% (monthly basis/ household). Most of the women members were involved in taking care of these birds and there was about 1 man-day extra employment created in the household.

Development Action Plan for Scheduled Caste

ICAR-DPR implemented the Development Action Plan for SC (DAPSC) work in Andhra Pradesh, Telangana and West Bengal during the period. The Directorate has also signed an MOU with YFA - Krishi Vigyan Kendra, Wanaparthy, Mahabubnagar on September 02, 2021 for implementation of the DAPSC programme among SC families of Telangana.

Andhra Pradesh

In Andhra Pradesh, two field trainings and input distribution programmes were organised at Mulpuru and Inturu villages of Amruthalur Mandal, Guntur district, in association with Department of Animal Husbandry, Andhra Pradesh. A total of 200 SC families were trained on backyard poultry farming and 1254 grownup birds, 1200 kg of feed, 100 temporary night shelters, 200 feeders and waterers and 200 packets of medicine and vitamins, and pamphlets on backyard chicken farming were distributed to start backyard poultry farming. A base line data survey was also conducted to evaluate the living standards of the beneficiaries.

Telangana

During the period, in association with Department of Animal Husbandry, Telangana, one on field training cum input distribution programme was organised in Shedpally and Sankarapur villages of Kottapalle mandal, Mancheril district in Telangana. A total of 100 SC families were trained on backyard poultry farming and a total of 492 grownup birds, 600 kgs of feed, 100 temporary night shelters, 100 feeders and 100 waterers and 100 packets of medicine and vitamin, and pamphlets on backyard chicken farming were distributed to start backyard poultry farming.

West Bengal

In West Bengal, as per the MoU signed between the Directorate and ICAR-Central Institute of subtropical Horticulture, Krishi Vigyan Kendra, Malda (CISH- KVK), the DAPSC programme is being implemented by CISH -KVK, Malda. Ten community poultry brooding units were established in Malda district for nursery rearing of chicks up to 4 weeks. After nursery rearing in brooding centres, these grown up chicks are distributed to SC families to start back yard poultry farming. A total of 5562 grown up chicks, 255 feeders, 255 waterers and other inputs were provided to 401 SC families to start backyard poultry farming in West Bengal during the period.



On field training and input distribution programme under DAPSC at Sankarpur village, Telangana



On field training and input distribution programme under DAPSC at Inturu village, Andhra Pradesh

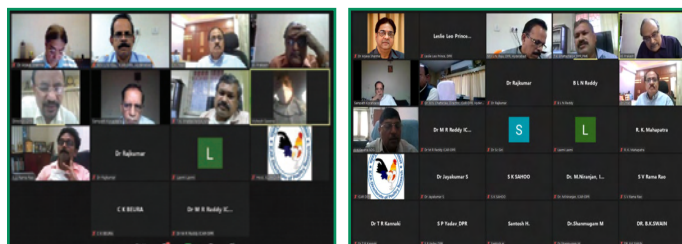
MEETINGS CONDUCTED

Research Advisory Committee Meeting

The meeting of Research Advisory Committee was held in virtual mode on 28th September 2021 and 27th October 2021 (in two phases). Prof. B.B. Mallick, Chairman, RAC chaired the 1st meeting on 28th September 2021 wherein all the RAC members including the ADG (AP&B), ICAR participated. Prof. Mallick in his opening remarks said that the varieties developed by ICAR-DPR have become extremely popular at the pan India level and contributing immensely to the poultry production in the country with promising upward trend over the past few decades. Dr. R.N. Chatterjee, Director presented a brief overview of the research progress during the year 2020. The committee was informed that a total of 15.7 lakh germplasm was supplied covering all the components, besides 33,000 parents. Dr. M.V.L.N. Raju, Member Secretary presented the Action Taken Report for the recommendations of previous RAC meeting.

In the subsequent meeting held on 27th October 2021, the research progress in different sections at the head quarter and at the RS, Bhubaneswar was reviewed. Dr. K.T. Sampath, former Director, ICAR-NIANP and Member, RAC chaired the meeting in the absence of Prof. B.B. Mallick. The RAC expressed satisfaction

with the good research progress at the institute and publications in high impact journals, and recorded recommendations for further research pursuance.



RAC meeting (virtual) held on 28.09.2021 and 27.10.2021

Institute Joint Staff Council Meeting

Institute Joint Staff Council meeting was held on 21st December 2021.

AKMU

- Institute webpage (<http://www.pdonpoultry.org>) was frequently updated and had about 5.67 lakh hits during the period July to December 2021 with an average of 3,117 visits per day. Payment Gateway link has been maintained in DPR webpage.
- ICAR-DPR Mobile App: An Android App in English was maintained, which provides information about institute, chicken germplasm, AICRP on Poultry Breeding, Poultry Seed Project, germplasm availability, etc. About 413 users downloaded the App during the period. A total of 3425 users downloaded the mobile app since launching. Average rating given by 28 users was 4.5 out of 5.
- ICAR-DPR Poultry YouTube channel: DPR Profile and several informative videos are available in <https://www.youtube.com/channel/UCDL2gnmjtzabrxX39waOITA>. A total of 39,077 views were recorded during July to Dec 2021.
- Facebook page <https://www.facebook.com/ICAR.DPR>. Hyderabad and Twitter handle <https://twitter.com/IcarPoultry> were maintained for effective dissemination of information to farmers and poultry entrepreneurs.

Germplasm Supply during July to December 2021



Distinguished visitors

1. Dr. B.N. Tripathi, DDG (AS), ICAR, New Delhi
2. Dr. A.K. Srivastava, Member, ASRB, New Delhi
3. Dr. Praveen Mallick, A.H. Commissioner, DAH&D, GOI, New Delhi
4. Dr. K.M. Bujarbaruah, Former Vice Chancellor, AAU, Assam
5. Dr. A.C. Varshney, Former Vice Chancellor, DUVASU, Mathura
6. Dr. A.K. Tyagi, ADG (AN&P), ICAR, New Delhi
7. Dr. (Mrs.) Hema Tripathi, National Coordinator, NAHEP, ICAR, New Delhi
8. Dr. B.S. Barbudhe, Director, ICAR-NRC on Meat, Hyderabad
9. Dr. M. Sujatha, Director, ICAR-IIOR, Hyderabad
10. Dr. A. Padma Raju, Former Vice Chancellor, ANGRAU, Hyderabad
11. Dr. D. Rama Rao, Former Director, ICAR-NAARM, Hyderabad
12. Dr. N.P. Singh, Former Director, ICAR-CCARI, Goa

Awards/Recognitions

Dr. U. Rajkumar, Pr. Scientist received the following awards

- C. K. Rao Trust Award for the Best Poultry Scientist for the year 2021 for outstanding contribution to the Poultry sector development in Telangana state.
- Padmasri Prof I.V. Subba Rao Rythu Nestham award for the year 2021 for outstanding contribution for the development and welfare of farmers in the field of poultry farming.



Dr. U. Rajkumar receiving the CK Rao Trust award and Rythu Nestham award

EDITORIAL BOARD

- Dr. Santosh Haunshi**, Pr. Scientist
Dr. M. Shanmugam, Sr. Scientist
Dr. K.S. Rajaravindra, Sr. Scientist
Dr. M.V.L.N. Raju, Pr. Scientist

Promotions

- Dr. B. Prakash, Sr. Scientist has been promoted to the next higher grade of Pr. Scientist w.e.f. 01-01-2020.
- Dr. M. Shanmugam, Sr. Scientist (RGP- 8000) has been promoted to the next higher grade (RGP- 9000) of Sr. Scientist w.e.f. 07-01-2020.
- Sri A.V.G.K. Murthy has been promoted to the post of Senior Administrative Officer w.e.f. 13-10-2021 (A.N.).
- Smt. T.R. Vijaya Lakshmi has been promoted to the post of Assistant Administrative Officer w.e.f. 20-07-2021 (A.N.).
- Smt. M. Kamala has been promoted to the post of the Assistant Administrative Officer w.e.f. 02-09-2021 (F.N).

New Joinings

- Sri S. Bala Kamesh, Finance and Accounts Officer has joined on 09-11-2021 on promotion from ICAR-ATARI-Zone X, Hyderabad.
- Dr. Raja Laxmi Behera, Scientist has joined on 04-10-2021 at ICAR-DPR, RS Bhubaneswar on transfer from ICAR-NDRI, ERS, Kalyani, West Bengal.

Retirements

- Sri M. Pantulu, Sr. Tech. Asst. (Driver) has retired on superannuation on 31-07-2021.
- Smt. R.T. Nirmala Veronica, A.A.O. has retired on V.R.S. on 01-09-2021.

Transfer

- Sri R. Sudarshan, A.F.A.O has been transferred from ICAR-DPR to ICAR-CRIDA on inter-institutional transfer on 04-12-2021 (A.N.).

To

Published by the Director

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