

GAZE THROUGH THE YEAR

October 2018 – September 2019



भारत-केन्द्रिय शुष्क क्षेत्र अनुसंधान संस्थान

(आई.एस.ओ. 9001 : 2015)
जोधपुर 342 003 (भारत)

ICAR-Central Arid Zone Research Institute

(ISO 9001 : 2015)
Jodhpur 342 003 (India)



Research Highlights

- Seed purpose water melon variety CAZRI Kalingada-1 has been notified for cultivation in Rajasthan and Gujarat by the Central Sub-Committee on Crop Standards, Notification and Release of Varieties for Agricultural Crops.
- Net income of Rs. 2.78 lakh and employment of 633 man-days were generated from IFS model (4 ha), which were higher than arable cropping (Rs. 0.63 lakh and 335 man-days, respectively).
- Clusterbean-wheat cropping system gave 44 and 104% greater seed yields than clusterbean- mustard and clusterbean-isabgol systems, respectively at Bikaner.
- Application of potassic organo-mineral fertilizer enhanced mustard and wheat yields by 5.3 and 4.8%, respectively over yields with muriate of potash.
- Fruit yields of cucumber and tomato (4.2 and 4 kg plant⁻¹) were higher in naturally-ventilated polyhouse compared to insect-proof net-house (2.9 and 2.9 kg plant⁻¹) and shade net-house (1.7 and 2.6 kg plant⁻¹, respectively).
- Elevated temperature stress significantly declined membrane stability index (20%) and seed yield (22%) of five mustard varieties as compared to yields at ambient temperature. Minimum yield decline (16%) was in variety NPJ-93 and maximum (30%) in Varuna.
- Evapotranspiration in groundnut declined by 15.1, 28.5, and 41.7%, and yields by 13.4, 42.9, and 59.8%, respectively in mini-lysimeters with 80, 60 and 40% irrigation levels.
- Productivity of Napier hybrid based fodder production system was 250 t ha⁻¹ green fodder.
- Photosynthetically active radiation between PV arrays was ~ 600 mol m⁻² s⁻¹ during morning and afternoon, and ~ 1200 mol m⁻² s⁻¹ during noon in December, while it remained less than 200 μ mol m⁻² s⁻¹ under PV modules.
- Canal irrigated areas of Sanchore had higher SOC (27-59%) and phosphorus (47-53%) content and lower potassium content (22-31%) compared to rainfed areas.
- In 13,168 ha area of 18 villages in Hanumangarh and Ganganagar districts, SOC has increased by 0.01-0.04% and available P by 1.22-2.63 kg ha⁻¹ during last 15 years, while there was significant depletion in soil micronutrient contents.
- Palatable halophyte *Sporobolus marginatus* gave higher green and dry fodder yields (6.18 and 3.57 t ha⁻¹) over *Aeluropus lagopoides*, *Suaeda nudiflora* and *Cressa cretica* halophytes at Bhuj.
- Among five cactus pear accessions, clone 1308 attained more plant height (118 cm), cladode length (27.43 cm) and width (13.67 cm), and Bianca macomer recorded better cladode circumference (56.27 cm) at farmers' fields in Bhuj.
- In 10 superior henna plants collected from Sojat, Pali and CAZRI, Jodhpur; 80% fruiting was found to be due to cross-pollination and 20% due to self-pollination with 100% survival rate for clonal henna germplasm.
- In textile effluent-affected soil near Bandi River of Pali, studies showed possibility of growing perennial shrubs, i.e., *Prosopis juliflora* and annual grasses, i.e., *Cyperus rotundus*, *Chloris barbata*, *Eleusine aegyptiacum*, *Eragrostis cilianensis* and *Cressa cretica*.
- Carbon sequestration potential of henna was proportional to plant age and ranged from 1.7 ± 0.5 t ha⁻¹ in 2 year-old plants to 12.6 ± 2.7 t ha⁻¹ in 56 year-old plants.
- Growth of 30-month old *Cordia gharaf* at Jaisalmer was better in sole plantation in terms of plant height, collar diameter, crown diameter and crown spread by 42, 85, 97 and 288%, respectively than in silviculture.
- *Lasiurus sindicus* + clusterbean system sequestered maximum carbon (1.55 t CO₂ ha⁻¹ y⁻¹) followed by *L. sindicus* + moth bean and *C. ciliaris* + clusterbean (1.30 t CO₂ ha⁻¹ y⁻¹). Among all the grass based systems, *C. ciliaris* + moth bean system sequestered minimum carbon (1.14 t CO₂ ha⁻¹ y⁻¹).
- Solar dehydration of whole *Khadrawy* date palm fruits with stone for 9 days resulted in minimum physiological weight loss (53.4%) and maximum recovery percentage (46.6%).
- Thermal efficiency of CAZRI apricot solar dryer was higher than conventional dryer at Leh. The maximum daily mean thermal efficiency in case of half-fruit (13.5%) and whole-fruit drying (11.5%) was higher than that in open-sun drying (8%).
- A parabolic concentrating solar-desalination device has been developed with concentration ratio of 38 and net power of 1000 watts under good sunshine.
- Better availability of conserved moisture shifted the cropping pattern from low value coarse cereals to high value pulses during *rabi* season in Baorli-Bambore Watershed.
- Total 18,170 kg foundation seed of mung bean and moth bean varieties, 10,196 kg truthfully labeled seed of cereals, pulses, seed spices, oilseeds and grasses, 976 kg breeder seed and 20.15 kg nucleus seed of moth bean variety CAZRI Moth 2 were produced.



Extension Activities

- About 19,300 trees of *Acacia senegal* were treated with CAZRI gum inducer resulting in production of approximately 8.67 t of gum Arabic.
- Two participatory nurseries were established in Villages Paldi Ranawatan and Dantiwada.
- More than 2500 packets of Marusena 1 and Misrit Marusena of bio-control agents were prepared and sold.

- Off-campus training for managing *khejri* mortality was imparted to 45 farmers of Anwana, Bawri villages and 100 bio-kits were distributed.
- Thirty four demonstrations on fodder production during kharif, rabi and summer seasons were given at farmers' fields.
- Total 829 FLDs on kharif crops were given in Utambar, Bheenjawadia, Paladi Ranawata, Bisalpur, Popawas, Gantiyala and Rajwa villages.
- Two trainings on rodent pest management were given to 360 farmers, along with training kits and bait containers in villages of Sirohi and Dungarpur districts under TSP.
- Based on medium range weather forecast, 95 agromet advisory bulletins were issued for farmers.

RRS, Bikaner conducted 4 farmers' trainings. Demonstrate improved package of practices in 9 villages under Schedule Caste Sub Plan (SCSP).

RRS, Pali conducted FLDs on mung bean, moth bean and sesame under SCSP in Jabar Garh ki Dhani, one field day in Vayad village, and two scientist farmers interface meetings.

RRS, Jaisalmer conducted 50 FLDs under SCSP in village Basanpeer, field day on mustard and one day farmers' training programme on kharif crops.

RRS, Leh conducted FLDs on crops, fruits, livestock and poultry under TSP.

KVK, Jodhpur conducted 2 skill development training programmes (21 days) for 40 youth participants. Conducted 20 on- and 67 off-campus trainings, 358 FLDs on crops, 72 on livestock, 80 on home science themes. The KVK organized three field days on mustard, cumin and chickpea; and three farmers' fairs under *Jal Shakti Abhiyan*.

KVK, Pali conducted 560 FLDs, 10 on-farm testing, 122 trainings on different topics and 567 extension activities. It organized one year diploma for 40 dealers under DAESI and two skill development trainings of 21 days each for rural youth.

KVK, Bhuj organized 44 farmers' trainings, conducted 470 FLDs and 6 OFTs. It organized a farmers' fair on 17 January.

District level Kisan Mela and Exhibition was organized at KVK, Jodhpur on 28 January 2018 in which more than 2000 farmers participated. Chief Guest of the function, Shri Gajendra Singh Shekhawat, MoS for Agriculture and Farmers' Welfare urged the farmers to avail the benefit of the Government Schemes.

Farmers' Fair and Farm Innovation Day was organized on 16 September in which more than 2500 farmers, including farm women, participated. Shri Kailash Choudhary, MoS for Agriculture and Farmers' Welfare was the chief guest on this occasion. He pointed out several government initiatives for welfare of farmers. Eight farmers were honoured as *CAZRI Kisan Mitras*.

Live Telecast of Inauguration and launching of *Pradhan Mantri Kisan Samman Nidhi Yojana* and *Rabi Sammelan 2018-19* by Hon'ble Prime Minister Shri Narendra Modi was arranged by KVK, Jodhpur on 24 February in which 348 farmers and 47 officials participated. Hon'ble Prime Minister Shri Narendra Modi launched the National Animal Disease Control Program and the National Artificial Insemination Programme on 11 September and addressed the livestock farmers, which was telecast live by KVK, Jodhpur in which 75 farmers participated.

Infrastructure Development

- Major renovation works worth over Rs. 6 crore were taken up last year, most of which have been completed or are near completion. In addition to these, several developmental activities funded from other sources were also taken up. Some important infrastructure development works include:
 - Construction of office building at RRS, Leh.
 - Renovation of buildings, labs, toilets, etc. at the institute and RRSs.
 - Completed Post Harvesting Unit, Bakery Unit and Animal Feed Unit.
 - A mid-term storage unit (4°C) was developed at the Seed House.
 - Drilling of tube wells at Jodhpur; RRS, Bhuj; RRS, Jaisalmer.
 - Re-carpeting of existing roads at Jodhpur; RRS, Bikaner; RRS, Pali.
 - P&F Energy saver fitting in place of existing HPSV street light fittings.
 - Started construction of auditorium at Jodhpur.
 - Renovation of nursery and mist chamber at Chandan Area of RRS, Jaisalmer.
 - Fencing of experimental areas, construction of threshing floors at RRSs.
 - Small ruminant 'Individual Animal Feeding Shed' for 20 animals established.
 - Construction of eco-friendly wastewater treatment plant.
 - KVK, Pali procured agricultural implements worth Rs. 40 lakhs under SMAM and constructed a shed for farm implements.
 - Foundation stone of indoor stadium was laid by MoS Sh. Kailash Chaudhary on 16 September.



Technologies Commercialized, Patents, MoUs, Consultancies, Registrations

Patents

- Nano-induced bacterial polysaccharide production
- A process for synthesizing a Multi-nutrient organic manure
- Bio-formulation of a Bio-pesticide and a process for preparing the same
- Biosynthesis of metal nanoparticle from fungi

MoUs

- With Cairn Foundation (2nd time) to support community development project as advisory.
- With ICICI-Satat Aajeevika Society, Udaipur for 'Cooperation for dissemination of know-how in identified fields of agriculture & animal husbandry'.
- With ICFRE-Arid Forest Research Institute, Jodhpur for 'Preparation of GIS maps under Detailed Project Report (DPR) on Luni river'.

Institute's Tag line 'Enhancing resilience of arid lands' has been registered under Goods and Services Class 31 and 42 by the office of Registrar, Trade Mark, Registry (Ahmedabad)

Contribution in KRISHI portal: Total 2368 publications were contributed to the repository, being highest among ICAR institutes.

Workshops/Conferences/Seminars/Trainings Organized

- ICAR Winter School on Solar Photovoltaic and Thermal Applications for Energy-Water-Food Security in Agriculture: 17 September - 9 October
- Workshop on Status and Strategies for Enhancing Crop Water Productivity in IGNP Area Phase-II: 14 November
- ICAR Winter School on Recent Approaches in Horticultural Development for Enhancing Farm Income in Environmentally Constraints Ecosystem: 27 November - 17 December
- Training on Arid Horticulture for Livelihood Security Organized for Farmers of Jalore district: 18-22 December
- Seminar on Climate Change and Desertification: Renewable Energy Solutions for Enhancing Mitigation Potential in Rajasthan: 10 January
- Skill Development Programme for Skilled Support Staff: 15-17 January
- Farmers Training Course on Organic Farming: 29 January - 2 February
- 13th International Conference on Development of Drylands (ICDD) organized at Jodhpur: 11-14 February
- Model training course (MTC) on Recent Approaches in Pre- and Post-Harvest Management of Horticultural Crops for Enhanced Farm Income: 20-27 February
- Farmers Training Course on Production Technology in Horticulture: 26 February - 2 March
- Workshop on Protected Cultivation - Issues and Strategies: 25 April
- Project Launching Workshop of DST Sponsored Project on Water IC: 25 May
- Workshop on Correct Hindi Writing and Use of Unicode: 6 May
- Diploma Course in Agricultural Extension Services for Input Dealers: 20 July
- Training on Nursery Management of Agroforestry and Horticulture Species: 25-27 June
- Training for Enhancing Efficiency and Behavioral Skills of Technical Staff: 25-27 June



Important Meetings

- Research Advisory Committee (RAC) Meeting: 13 December
- ICAR Regional Committee Meeting: 4-5 February
- Scientific Advisory Committee Meetings: 14 March
- Institute Research Committee Meeting: 16 March, 28 May-1 June
- Joint Meeting between CAZRI and Guar Gum Industry: 15 April
- Meeting of City Official Language Implementation Committee-2: 25 June
- Institute management Committee Meeting: 21 August
- Research Advisory Committee (RAC) Meeting: 7 September

Days, Events Celebrated

- 60th Foundation Day: 1 October
- Mahila Krishak Diwas: 15 October
- Vigilance Week: 29 October - 3 November
- Constitution Day: 26 November
- Soil Health Day: 5 December
- World Mountain Day by RRS, Leh: 11 December
- Cleanliness Week: 16-31 December
- Farmers' Day: 23 December
- Republic Day: 26 January
- National Science Day: 28 February
- International Day for Biological Diversity: 22 May
- World Environment Day: 5 June
- World Day to Combat Desertification: 17 June
- International Yoga Day: 21 June
- Independence Day: 15 August
- Communal Harmony Day: 20 August
- Swachh Bharat Mission: 11 September onwards
- Hindi Week: 14-21 September
- World Ozone Day: 16 September



Sports

Team-CAZRI stood II and bagged 15 medals which included four gold, seven silver and four bronze medals during ICAR Zonal Sports Meet (West Zone), 2018 organized at ICAR-IGFRI, Jhansi during 5-8 October. CAZRI contingent won gold and silver medals in team events of football, volley ball, badminton and cycling.

Distinguished Visitors

The institute witnessed the visits of many renowned personalities and benefitted from their vast knowledge and experience during this Diamond Jubilee Year. The list includes Ministers, MPs, MLAs; current and former Director Generals (DGs) and Chairman of several national and international Institutes/organizations, Vice Chancellors, DDGs, ADGs, Directors of ICAR Institutes; Officials of State Line Departments, Banks, Police, Forest Deptt., private organizations, etc. Conspicuous among them are Shri Gajendra Singh Shekhawat, MoS for Agriculture and Farmers Welfare, Shri Kailash Choudhary, MoS for Agriculture and Farmers' Welfare; Shri Narain Lal Panchariya, MP (Rajya Sabha); Smt. Suryakanta Vyas, MLA (Soorsagar); Shri Mahendra Vishnoi, MLA (Luni); Sh. Suresh Chandel, Member, ICAR Governing Body; Dr. Trilochan Mohapatra, Secretary, DARE & DG, ICAR; Dr. Adel El-Beltagy, Chair IDDC, Cairo, Egypt; Dr. Aly Abousabaa, DG, ICARDA, Beirut, Lebanon; Dr. Martin Kropff, DG, CIMMYT, Texcoco, México; Dr. Peter Carberry, DG, ICRISAT, Hyderabad; Dr. Claudia Sadoff, DG, IWMI, Battaramulla, Sri Lanka; Dr. Ismail Serageldin, Founder President, Bibliotheca Alexandrina, Alexandria, Egypt; Dr. John Dixon, Former Principal Advisor-Research Manager CS&EP, ACIAR, Australia; Dr. Panjab Singh, Ex-DG, ICAR; Dr. R.S. Paroda, Ex-DG, ICAR; Dr. Gurbachan Singh, Ex-Chairman, ASRB; Dr. J.S. Samra, Ex-Chairman, NRAA; Dr. A.K. Bawa, Executive Director, NAAS; Dr. J.R. Sharma, Chief General Manager, ISRO; Dr. Ashok Dalwai, Chief Executive officer, National Rainfed Area Authority, New Delhi; Sh. Suresh Chand, Chief General Manager, NABARD; Dr. S. Bhaskar, ADG (Agronomy, Agro-Forestry & Climate Change) ICAR; Dr. S.P. Kimothi, ADG, ICAR; Dr. D.K. Yadav, ADG (Seeds), ICAR; Ms. Maria Beatrix Giraudo, Sr. Advisor, Govt. of Argentine; Dr. Rattan Lal, Professor, The Ohio State University, Columbus, USA; Dr. Dennis Garrity, Dryland Ambassador for UNCCD, Nairobi, Kenya; Dr. Winston Yu, Principal Researcher and Senior Advisor, World Bank, Washington DC; Mr. Richard China, Director, Strategic Partnerships and External Engagement, BI, Rome, Italy; Dr. Ravi Prabhu, DDG-research, ICRAF, Nairobi, Kenya; Prof. Wang Tao, President, Chinese Academy of Sciences, Lanzhou Branch, Lanzhou, China; Prof. A. Gurum Aleksidze, President, GAAS, Tbilisi; Prof. Atsushi Tsunekawa, ALRC, Tottori University, Japan; Dr. R.K. Tyagi, Coordinator, APCoAB, APAARI, Thailand; Dr. B. Venkateshwarlu, Former VC, VNMKV, Parbhani; Dr. B.R. Choudhari, Vice-Chancellor, Agril. University, Jodhpur; Dr. Pratap Narain, Former Director, ICAR-CAZRI and Former Vice-Chancellor, SKRAU, Bikaner; Dr. K.P.R. Vittal, Former Director, ICAR-CAZRI and NIASM, Maharashtra; Dr. Manjeet Singh, Former Director, Directorate of Mushroom Research, Solan; Dr. A.K. Singh, Secretary, NAAS, New Delhi and Former DDG (NRM), ICAR; Dr. Ch. Srinivasa Rao, Director, ICAR-NAARM, Hyderabad; Dr. Kuldeep Singh, Director, ICAR-NBPGR, New Delhi; Dr. Ravinder Chary, Director, ICAR-CRIDA, Hyderabad; Dr. N.P. Singh, Director, ICAR-IIPR, Kanpur; Dr. Suresh Pal, Director, ICAR-NCAP, New Delhi; Dr. Gopal Lal, Director, ICAR-NRCCS, Ajmer; Dr. N.V. Patil, Director, ICAR-NRCC, Bikaner; Dr. P.L. Saroj, Director, ICAR-CIAH, Bikaner; Dr. P.R. Ojasvi, Director, ICAR-IISWC, Dehradun; Sh. B.K. Gaur, Chief Manager, National Seed Corporation, New Delhi; Dr. A.R. Sharma, Director, RLBCAU, Jhansi; Dr. B.B. Singh, Ex-ADG (O&P), ICAR; Dr. A.K. Vashishtha, ADG (PIM), ICAR; Dr. B.S. Prakash, ADG (AN), ICAR; Dr. B.S. Diwedi, Head, Dept. of Soil Sci., IARI, New Delhi.

Participation in Exhibitions

2 October: किसान समृद्धि की ओर अभिनव पहल, KRISHIFEST-2018, ICAR-NRCCS, Bikaner

4-13 January: राजस्थान पश्चिम हस्तशिल्प उत्सव-2019, रावण का चबुतरा, जोधपुर

28 January: District level Exhibition and *Kisan Mela*-2019, ICAR-CAZRI, Jodhpur

7 February: 25वां सरसों विज्ञान मेला, ICAR-DRMR, Bharatpur

8-9 February: Seed Spices Farmers Fair and Seminar, ICAR-NRCCS, Ajmer

13 February: Visit of Delegates of 13th International Conference on Development of Drylands, ICAR-CAZRI, Jodhpur

24 February: प्रधानमंत्री किसान सम्मान निधि योजना (PM-KISAN), ICAR-CAZRI KVK, Jodhpur

28 March: किसान मेला, ICAR-CAZRI KVK, Pali-Marwar

9 June: किसान मेला, KVK, Gudamalani, Barmer

12 August: किसान मेला, ATARI, Jodhpur

16 September: किसान मेला एवं कृषि नवाचार दिवस, ICAR-CAZRI, Jodhpur

Awards and Recognition

- ICAR-CAZRI was conferred with the prestigious 'Sardar Patel Outstanding ICAR Institution Award' for the Large Institute Category for the year 2017 at ICAR-IARI, New Delhi.
- Road between ITI circle and Pal Road was named CAZRI Road.
- Dr. A.K. Shukla was conferred with 'Fellow of the Indian Society of the Arid Horticulture' by ISAH, Bikaner.
- Dr. A.K. Shukla was conferred with 'Fellowship of International Society for Noni Science', Chennai.
- Dr. Akath Singh was conferred with 'SDSH Fellow-2018' by Society for Development of Sub Tropical Horticulture, Lucknow.
- Dr. Arvind Singh Tatarwal was given 'Young Scientist Award' by All India Agriculture Students Association (AIASA)-Rajasthan, Jaipur.
- Dr. Deepesh Machiwal was conferred with 'Commendation Medal Award' by the Indian Society of Agricultural Engineers (ISAE), New Delhi.
- Dr. H.M. Meena was conferred with 'Young Scientist Award' by Society for Scientific Development in Agriculture and Technology.
- Dr. Mahesh Kumar was conferred with 'Leadership Award-2018' by Soil Conservation Society of India.
- Dr. Ritu Mawar was conferred with 'Smt. Guman Devi Verma Memorial Best Woman Scientist Award 2018' by ISMPP, Udaipur.
- Dr. Vipin Chaudhary was conferred with 'Fellow of GKV Society' by GKV Society.
- Drs. R.S. Mehta and M.L. Soni were awarded with 'Krishi Vigyan Gaurav-2018' by *Bhartiya Krishi Anusandhan Samiti* and Agricultural Research Communication Center, Karnal.

Visits Abroad

- Dr. Ramavtar Sharma, PS, participated in meeting of the Project 'Evaluation of Stress Tolerant Orphan Legumes for Dryland Farming Systems across Sub-Saharan Africa and India' at Abuja (Nigeria); 1-2 November 2018.
- Dr. Dheeraj Singh, PS, participated in '4th International Congress on Hidden Hunger' at the University of Hohenheim, Stuttgart (Germany); 27 February-1 March 2019.
- Dr. O.P. Yadav, Director, participated in Senior Research Managers/Policy Makers Visit to Dryland Areas at ICARDA, Beirut (Lebanon); 15-18 May 2019.
- Dr. Rahul Dev, Scientist, participated in training course on 'Cactus Pear (*Opuntia ficus-Indica*) Evaluation and Best Agronomic Practices' at Amman (Jordan); 13-19 July 2019.
- Dr. Ritu Mawar, Sr. Scientist, participated in '6th Asian PGPR International Conference for Sustainable Agriculture' at Tashkent (Uzbekistan); 18-22 August 2019.
- Dr. O.P. Yadav, Director, participated in Executive Development Programme on 'Developing Effective Organizational Leadership for Senior Officers of ICAR', held in European countries (Netherlands, Belgium, Germany and Switzerland); 21-30 September 2019.

Appointments/Joining

Ms. Archana Sanyal, Scientist (Seed Science Technology) on 8.10.2018 at RRS, Jaisalmer

Ms. Ankita Trivedi, Scientist (Soil Science) on 9.10.2018 at RRS, Jaisalmer

Ms. Reena Rani, Scientist (Genetics & Plant Breeding) on 9.10.2018 at Jodhpur

Ms. Truptimayee Suna, Scientist (L&WME) on 15.4.2019 at RRS, Leh

Shri Anandkumar Naorem, Scientist (Soil Science) on 15.4.2019 at RRS, Kukma Bhuj

Technician (T-1): Sh. Dheeraj Agarwal: 16-02-2019, Sh. Sunil Goswami: 18-02-2019, Sh. Rupendra Singh Kushwaha: 18-02-2019, Sh. Piyush Gurjar: 18-02-2019, Sh. Sunil Singh Charan: 18-02-2019, Sh. Dinesh Khoja: 18-02-2019, Sh. Rakesh Khoja: 18-02-2019, Sh. Vikram Prajapati: 18-02-2019, Sh. Gaurav Gehlot: 18-02-2019, Sh. Kailash Chand Saini: 18-02-2019, Sh. Ramavtar Meena: 19-02-2019, Sh. Rajesh Rajpurohit: 19-02-2019, Sh. Raghav Singh Meena: 19-02-2019, Sh. Narpat Ram: 28-02-2019, Sh. Mahaveer Singh Rathore: 01-03-2019, Sh. Sumit Kumar: 01-03-2019, Sh. Vijendra Kumar: 05-03-2019, Sh. Roshan Lal Meena: 05-03-2019, Sh. Balveer Singh: 25-03-2019, Sh. Soham Motra: 03-06-2019, Sh. Ramesh Sharma: 08-07-2019, Sh. Dhanvantri Meena: 09-07-2019.

Stenographer Gr. III: Sh. Keshav Kumar Sharma: 28-06-2019, Sh. Mahender Kumar: 03-07-2019

Transfers from other Institutes

Dr. Bhagwat Singh, Sr. Scientist-cum-Head, KVK, from ICAR-KVK-Gunta, Bansur, Alwar-II on 21.12.2018

Relieving

Dr. Sushil Kumar Sharma, Sr. Scientist-cum-Head, KVK, Jodhpur to ICAR-KVK-Gunta, Bansur, Alwar-II on 22.12.2018

Dr. Sanjeev Kumar Chauhan, Head, RRS, Leh to PAU, Ludhiana on 17.12.2018

Promotions

Sr. Scientist to Principal Scientist: Dr. Vijay Avinashlingam N.A.

Scientist (Pay Level-10) to Scientist (Pay Level-11): Dr. Sujan Chand Meena, Dr. Dileep Kumar

AAO to AO: Sh. Ramesh Kumar Panwar

Assistant to AAO: Sh. Bhupendra Giri, Sh. Vishan Lal Vargy

TO to STO: Sh. Gaje Singh Jodha, Sh. Veerendra Singh Nathawat, Sh. Ramesh Chandra

STA to TO: Sh. Megh Singh, Sh. Narayan Singh Charan, Sh. Dinesh Kumar Nanda, Sh. Naveen Singh, Sh. Mahipal Singh Moyal, Sh. Zakhir Hussain, Sh. Arvind Verma, Sh. Mool Singh

TA to STA: Sh. Bhanwara Ram, Sh. Bhanwar Lal, Sh. Mangi Lal Meena, Sh. Randheer Singh, Sh. Gopi Kishan

Superannuation

October: Sh. N.P. Singh, CTO; Smt. Kaushalya, SSS

December: Sh. Mohan Singh Mertia, TO; Sh. Gafoor Khan, TA (Driver)

January: Sh. Rajendra Prasad Parihar, STO; Sh. Gaffor Khan, SSS; Sh. Ramiya (Rama), SSS

February: Smt. Sreedevi Mohanan, Private Secretary; Sh. Rajendra Kanojia, TO; Sh. Bhanwar Lal, STA; Smt. Sugna, SSS; Sh. Mangi Lal, SSS

March: Sh. Ghewar Ram, SSS

April: Sh. Kundan Singh, Sr. Clerk

May: Sh. Roop Singh Rathore, TO; Smt. Marykutty Thomas, Assistant; Sh. Goverdhan Ram, SSS; Sh. Naru Ram, SSS; Sh. Chandan Singh, SSS

June: Sh. Shaitan Singh, TA

July: Sh. Bhanwar Lal, TA (Driver); Smt. Kamla, SSS; Smt. Bhanwari, SSS

August: Dr. R.K. Bhatt, HD; Dr. B.K. Mathur, HD; Sh. Mohar Singh, CTO

September: Smt. Madhu Bala Charan, Dy. Director (OL); Sh. Malam Singh, SSS

Resignations

Sh. Keshav Kumar Sharma, T-1 at RRS, Bhuj on 07-09-2019

Obituary

Sh. Baliwala, SSS, 27-12-2018; Smt. Kamla, SSS, 07-03-2019

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