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Events of the month

1 February	ICAR-IISWC, RC, Udhagamandalam conducted exposure visit and awareness programme on the occasion of international year of millets and Swachh Bharth for students of III-year B.Sc. Botany, Department of Botany, Government Arts College, Krishnagiri, Tamil Nadu
7 February	Valedictory function of 124 th batch of four month “Certificate Course on SWC&WM” was organised at ICAR – IISWC, Dehradun (Uttarakhand)
11 February	ICAR-IISWC, RC, Kota Organised a scientist-farmers-interaction meeting in TSP village Pali village regarding feedback and performance of Mustard variety Giriraj of DRRM, Bharatpur.
13 February	ICAR-IISWC Dehradun organised Farmer Field School in collaboration with ICAR-CIRC, Meerut under SCSP at village Manduwala
17 February	ICAR-IISWC, Rc, Chandigarh organised one day Practical demonstration on 'Vegetative Propagation and top working in fruit plants under SCSP –project at Vill. Salga, HP.
20 February	ICAR-IISWC, Dehradun organised a 12 days field training on Soil and Water Conservation and Agriculture production for undergraduate and postgraduate students during 20 th February, to 03 rd March, 2023
20 February	ICAR-IISWC, RC, Udhagamandalam and the National Remote Sensing Centre (MRSC), ISRO, Hyderabad jointly organised National Workshop on “Earth Observations for Climate Services” under the NICES Programme
22 February	ICAR-IISWC, Dehradun in collaboration with ICAR-CIRC, Meerut organised Farmer Field Day at village Lalwala Khalsa, District Haridwar
23 February	ICAR-IISWC, RC, Koraput organised training cum field visit to monitor working of solar operated Jhola kundi installed at various location of Boipariguda block, under RKVY
23 February	ICAR-IISWC, RC, Ballari organised three days collaborative farmers training programme on “Natural Farming and Its Techniques for Sustainable Agriculture”.
24 February	ICAR-IISWC, RC, Agra organised a Kisan gosthi cum input distribution program under SCSP scheme.
27 February	The RAC meeting of the ICAR -IISWC was held during 27 - 28 th February, 2023
28 February	ICAR-IISWC, RC, Koraput organised four days training cum field visit of Watershed Development Team members
28 February	ICAR-IISWC, RC, Koraput organised review meeting cum field visit to monitor working of solar operated Jholakundi
28 February	ICAR-IISWC, RC, Agra distributed vermi compost making bed farmers of Anduan ka pura

Salient Research Findings of the Month

- In North West Himalaya region, higher crop productivity was observed in Alfisol of Dehradun even at very high cumulative soil loss. The land use under fertilized condition was found to have better soil quality with SQI (Soil Quality Index) value of 143 and 118 in slightly eroded and severely eroded soils, respectively, compared to the values of 126 and 106 in non-fertilized condition.
- Under rainfed Vertisols of South India, nutrient application with microbial treatment (Rhizobium culture; PSB and PGPR) produced significantly higher grain (chickpea) yield (0.98 t ha^{-1}), straw yield (1.44 t ha^{-1}), total dry matter production (2.42 t ha^{-1}) and water use efficiency (WUE) of $5.37 \text{ kg ha}^{-1} \text{ mm}^{-1}$.

Important Meetings

RAC meeting of the ICAR-IISWC, Dehradun

The RAC meeting of the ICAR -Indian Institute of Soil and Water Conservation was held on 27th and 28th February, 2023 under the chairmanship of Dr A. K. Sikka. Dr S. K. Dhyani, Dr N S Raghuvanshi, Dr G Jayashree attended the meeting at Dehradun whereas; Dr A. Velmurugan, ADG (SWM), ICAR attended the meeting online.

The programme leaders, head of Divisions and head of centre's also attended the meeting. The chairman Dr A. K. Sikka and other members of the RAC appreciated the action taken on the RAC recommendation and overall progress of the projects however cautioned about the kind of challenges anticipated and suggested being prepared to cope with the new challenges.



The meeting ended with the vote of thanks by the member secretary RAC.

Workshops / Webinar etc.

National Workshop on “Earth Observations for Climate Services”

ICAR-IISWC, RC, Udhagamandalam and the National Remote Sensing Centre(MRSC), ISRO, Hyderabad jointly organised National Workshop on “Earth Observations for Climate Services” under the NICES Programme on 20th February, 2023 at Udhagamandalam.

The workshop was participated by more than 75 delegates including scientists from ICAR-IISWC; NRSC/ISRO-; IIST-Trivandrum; IITM/MoES, Pune; Indira Gandhi Centre for Atomic Research, Kalapakkam; Tamil Nadu Agricultural University (TNAU), Coimbatore; HRS, TNAU, Ooty; Regional Centres of ICAR-IARI, Wellington and ICAR-CPRI, Ooty; CWRDM, Calicut; KITS, Coimbatore and progressive farmers from the district Nilgiris. Prof Dr V. Geetha Lakshmi, Honourable Vice-Chancellor, TNAU, Coimbatore and Dr Prakash Chauhan, Director, NRSC, ISRO, Hyderabad graced the function Chief guests. Dr M. Madhu, Director ICAR-IISWC, Dehradun presided the workshop and Dr G.N. Hariharan, Executive Director, MS Swaminathan Research Foundation, Chennai was the guest of honour. The workshop convener was Dr Rajashree V.Bothale, Dy. Director, NRSC/ISRO.





Human Resource Development

Capacity Development

Valedictory function of Four Month Training Certificate Course on "SWC&WM"

Valedictory function of 124th batch of four month "Certificate Course on Soil & Water Conservation & Watershed Management" was organised at ICAR – IISWC, Dehradun (Uttarakhand) on 7th February, 2023.

A total of 27 Officers representing four states (Punjab-13; Meghalaya-3; Chattisgarh-5; Jammu and Kashmir-4) and two Scientists from ICAR-IISWC participated in the programme of which two women Officer Trainees were there Sh. Bharat Jyoti, IFS, Director, Indira Gandhi National Forest Academy, Dehradun graced the occasion as Chief Guest and gave away the Merit Certificates to the Officer trainees of the 124th batch.



Field Training on Soil and Water Conservation and Agriculture Production

ICAR-IISWC, Dehradun organised a 12 days field training on Soil and Water Conservation and Agriculture production for undergraduate and postgraduate students from 20th February, to 03rd March, 2023 for, at the IISWC Research Farm, Selaqui.



55 students and scholars from different local academic institutions and different states attended the programme. Dr M. Muruganandam, Principal Scientist and Course Director inaugurated the training programme.



Farmer Field Day

ICAR-IISWC, Dehradun in collaboration with ICAR-CIRC, Meerut organised Farmer Field Day on 22nd February, 2023 at village Lalwala Khalsa, District Haridwar, Uttarakhand under SCSP. A total of 130 farmers from Lalwala Khalsa, Buggawala (Nokra Grant) and Daud Bassi attended the programme.



Training cum Field visit to Jhola Kundi's with Solar Operated Pumping System Installed Sites

ICAR-IISWC, RC, Koraput organised training cum field visit to monitor working of solar operated Jhola kundi installed at various location of Boipariguda block, under RKVY on 23rd February, 2023. The training was organised at Office of ATMA, Boipariguda. In the training programme a total of 71 farmers participated covering 10 villages

(Majhiguda, Bodaput, Boipariguda, Padaiguda, Doraguda, Dasamantapur. Baruniguda, Ramapur, Matiguda, Kandaguda).



Training cum Field Visit of Watershed Development Team members

ICAR-IISWC, RC, Koraput organised four days training cum field visit of Watershed Development Team members from Vill- Khargaon, Korenda, Kalepal, Kadhagaon, Netanar Block-Narayanpur District-Narayanpur, Chhattisgarh under PMKSY – WDC 2.0, New Generation Watershed Development Programme (NGWDP) during 28th February, 2023 to 3rd March, 2023.



A total 50 participants comprising Watershed Development Team members, technical officials and progressive tribal farmers participated in the training programme.

Review Meeting cum Field Visit to Monitor Working of Solar Operated Jhola Kundi Installed under RKVY project

ICAR-IISWC, RC, Koraput organised review meeting cum field visit to monitor working of solar operated Jholakundi installed at various location of Nandapur and Lamataput blocks, Koraput district, Odisha under RKVY project on 28th February, 2023. The review meeting was organized at Office of Directorate of soil conservation and watershed development, Nandapur, Odisha. In the review meeting a total of 44 person participated including staffs of IISWC, DSCWD and project beneficiaries from Nandapur and Lamataput blocks.



Capacity Building

- Dr Ravi Dupdal, Sr. Scientist (Agri. Econ.) successfully completed Four months regular training programme on “Certificate Course on Soil & Water Conservation & Watershed Management” at ICAR-IISWC, Dehradun during 8th October, 2022 to 7th February, 2023.
- Dr M. Prabhavathi, Sr. Scientist (Soils) attended 5 days NABL assessor training at ICAR-NIVEDI during 6- 10th Feb, 2023.
- Dr M. Prabhavathi, Sr. Scientist (Soils) attended international conference at HAU. Hissar during 17-19th Feb, 2023.
- Dr Shakir Ali, Pr. Scientist and Head participated in National Consultation on “Long-term Drought Mitigating Planning” jointly organised by the NRAA and NDMA, New Delhi on 22nd February, 2023 in N. Delhi.

Publications

Research paper

Kaushal, R., Panwar, P., Durai, J., Tomar, J. M. S., Mandal, D., Dogra, P. and Madhu, M. 2023. Simulating SOC Dynamics under Different Temperature Regimes and FYM Addition in Bamboo Species Using Roth C-Model. *Forests*, 14(4), 722.

Conference Papers/Proceedings etc.

- Dr R. A. Jat - Participated in National Conference AGMET 2023 at TNAU, Coimbatore during 15-17th February, 2023 and delivered oral presentation on the topic 'Climate Smart Agricultural Practices in Groundnut based Cropping Systems'.
- Prabhavathi, M., Morade, M., Ramesha, M. N., Naik, B. S, Ravi, K. N., Kala, S. and Mohan Kumar, P. 2023. Assessment of spatial variability of soil organic carbon stock in the forest of Southern India. In International Conference on Climate Resilient Agriculture for Food Security and Sustainability held during 17-19th February, 2023 at CCS Haryana Agricultural University, Hisar (Haryana), India.

- Patil, S. L., Ramesha, M. N., Loganandan, N., Ramajayam, D., Ravi, K. N., Naik, B. S. and Dupdal, R. 2023. Sustaining crop productivity and improving livelihoods of rainfed regions through resource conservation watershed management in SAT of South India. In International Conference on Innovations to Transform Drylands held during 21–23rd February, 2023 at ICRISAT, Hyderabad, India.

- Dr R.A. Jat - Received the best oral presentation award for research paper entitled 'Climate Smart Agricultural Practices in Groundnut based Cropping Systems', in National Conference AGMET 2023 at TNAU, Coimbatore during 15-17th February, 2023.
- Dr G.K. Sharma participated in Shangai Corporation Organiser (SCO-YSC) Young Scientists Conclave organized by Department of Science and Technology, Govt. of India at Jawahar Lal Nehru Centre for Advanced Scientific Research Bengaluru, Karnataka from 6-10th February, 2023.

Awards & Recognition

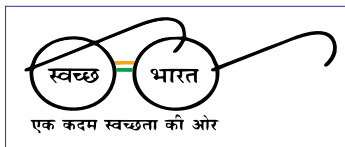
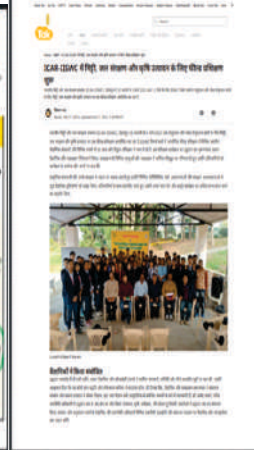
- Dr Ravi Dupdal, Sr. Scientist (Agri. Econ) awarded Merit Certificate in Integrated Watershed Management in Four Months Certificate Course on Soil & Water Conservation & Watershed Management" at ICAR-IISWC, Dehradun during 08th October, 2022 to 07th February, 2023.

Personnel

Retirement

- Sh. Munna Lal, Technician (T-1) on 28th February, 2023

In News/Media Coverage



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