



Soil Science News

Quarterly Newsletter of Soil Science Society of Pakistan

سوائل سائنس سوسائٹی آف پاکستان

July - Sep. 2021

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Head Office: Land Resources Research Institute, National Agricultural Research Centre, Islamabad, Pakistan

From the Editor's Desk

IUSS Membership

On behalf of the soil science community of Pakistan, we appreciate the efforts of the Executive Council for getting the Soil Science Society of Pakistan recognized internationally as a member of the International Union of Soil Science. We also acknowledge the generous support of Pakistan Science Foundation for payment of membership fee.



As per IUSS statutes, the members as the national soil science societies become the member of IUSS, also. Now, all the members of SSSP are part of the global community of soil scientists and SSSP members can now also take part in all the activities of IUSS free or at subsidized subscriptions. The SSSP also qualifies to send a representative to IUSS council meetings.

SSSP Award 2021

Three different awards - 1. SSSP Innovation Award, 2. SSSP Best Research Paper Published Award, and 3. SSSP National Virtual Poster Competition, were announced by the SSSP during June 2021.

Upon the recommendations made by the committees constituted for evaluation of submissions for different categories of SSSP Awards 2021, Executive Council of Soil Science Society of Pakistan is pleased to approve and announce results of SSSP Awards 2021 as under:

The cash prize money is sponsored by Pakistan Science Foundation. The result of the awards is given below:

1 - SSSP Innovation Award (Cash prize Rs. 150,000/-)

Authors: Dr. Muhammad Arshad

Innovation: Development of Phosphorus based Nano-fertilizer

Institute: National University of Science & Technology, Islamabad.



2 - SSSP Best Research Paper Award (Cash prize - Rs. 80,000)

Authors: Sara Zafar*, Muhammad, Yasin Ashraf,

Sumera Anwar, Qasim Ali and Ali Noman.

Title: Yield enhancement in wheat by soil and foliar fertilization of K and Zn under saline environment.

Journal: Soil & Environment, 35(1): 46-55, 2016

Institute: Government College University, Faisalabad.



*The subject award is for best cited paper published in SSSP's Soil & Environment journal during the period Jan 1, 2016- December 31, 2020. The corresponding author will receive a certificate and cash award of Rs. 80,000.

National Virtual Poster Competition-2021 (Cash Prize - 1st, Rs. 40,000; 2nd, Rs. 20,000 and 3rd, Rs. 10,000)

1st Position

Name: Ms. Durshana Khan,

Institute: Department of Soil Science, Sindh Agriculture University, Tandojam

Title of the Poster: Diverse Banana Waste Compost: Formulation & Effects on Compost Quality and Growth of Chilies.



2nd Position

Name: Mr. Sana ur Rehman Khan,

Institute: Institute of Soil & Environmental Sciences, PMAS - Arid Agriculture University Rawalpindi.

Title of the Poster: Soil carbon sequestration and nutrient release modelling under different tillage practices



3rd Position

Name: Ms. Shabana Ehsan

Institute: Ayub Agricultural Research Institute, Jhang Roa, Faisalabad.

Title of the Poster: Role of bioenergy residue to improve soil health and wheat production



3rd Position

Name: Ms. Sana Munawar,

Institute: Department of Soil Science, Islamia University, Bahawalpur

Title of the Poster:

Exopolysaccharides producing Bacillus Sp. upraise yield and quality of wheat through P solubilization.



The Executive Council, SSSP and Editorial Committee, Soil Science News congratulate the winners and appreciate the scientists for their active participation

Promotion/appointment/posting

Prof. Dr. Inayatullah Rajpar, Chairman, Department of Soil Science, Sindh Agriculture University Tandojam has been elected as Member of the Syndicate (from the constituency of Senate) for a period of three years.

Dr. Pir Ahmed Naqi, Assistant Professor, Department of Agronomy, Sindh Agriculture University Tandojam (Life Member of the SSSP) has been elected as member of the Syndicate (from the cadre of Assistant Professor) for the tenure of three years.

Dr. Muhammad Akram Qazi, Senior Scientist (Training), Rapid Soil Survey and Soil Testing Institute, Lahore has been promoted as **Principal Scientist (BS-19/Training)** and subsequently, he has been entrusted to look after the charge of the post of **Chief Scientist (BS-20)** of the same Institute

Dr. Sarfraz Hussain, Senior Scientist (Pesticides) Quality Control Laboratory, Faisalabad has been promoted as **Principal Scientist (BS-19/Pesticides)** and subsequently, he has been entrusted to look after the charge of the post of **Chief Scientist (BS-20)** of the same Institute

Dr. Muhammad Ashfaq, Senior Scientist (Soil Science), Provincial Pesticide Reference Laboratory, Kala Shah Kaku has been promoted as **Principal Scientist (BS-19/Agriculture Chemistry)** and posted at the same Institute. Subsequently, he has been entrusted to look after the charge of the post of **Chief Scientist (BS-20)** of the same Institute.

Dr. Obaid-ur-Rehman, Senior Scientist (Soil Fertility), Soil and Water Testing Laboratory, Rawalpindi has been promoted as **Principal Scientist (BS-19/Soil Fertility)** and posted at the same Place.

Mr. Nisar Ahmad, Senior Scientist Biochemistry Section, Post-Harvest Research AARI, Faisalabad has been promoted as **Principal Scientist (BS-19/Biochemistry)** and posted at the same place

Mr. Ashfaq Ahmad Rahi, Senior Scientist (Pesticide), Quality Control Laboratory, Multan has been promoted as **Principal Scientist (BS-19/Pesticide)** and posted at the same place.

Dr. Muhammad Naseem, Senior Scientist (Pesticide), Quality Control Laboratory, Bahawalpur has been promoted as **Principal Scientist (BS-19/Soil Fertility)** and posted at Soil & Water Testing Laboratory, Bahawalpur

Dr. Abid Subhani, Senior Scientist (Soil Chemistry), Soil and Water Conservation Research Institute,

Chakwal been promoted as **Principal Scientist (BS-19/Soil Chemistry)** and posted at the same Institute. Subsequently, he has been entrusted to look after the charge of the post of **Chief Scientist (BS-20)** of the same Institute.

Mr. Muhammad Aslam Awais, Senior Scientist (Pesticides), Quality Control Laboratory, Kala Shah Kaku has been promoted as **Principal Scientist (BS-19/Pesticide)** and posted at the same place.

Mr. Muhammad Arshad, Senior Scientist (Soil Chemistry), Regional Agri. Research Institute, Bahawalpur has been promoted as **Principal Scientist (Pesticide/BS-19)** and posted at the Pesticides, Quality Control Laboratory, Bahawalpur

Syed Sajjad H. Kazmi, Senior Scientist (Pesticides), Residue Laboratory, Kala Shah Kaku has been promoted as **Principal Scientist (Sodic/BS-19)** and posted at Soil & Water Testing Laboratory, Lahore,

Mr. Sarfraz Ahmad, Senior Scientist (Soil Chemistry), Soil and Water Conservation Research Station, Sohawa has been promoted as **Principal Scientist (Soil Physics/BS-19)** and posted at the Soil Salinity Research Institute, Pindi Bhattian, Hafizabad. Subsequently, he has been entrusted to look after the charge of the post of **Chief Scientist (BS-20)** of the same Institute.

Dr. Muhammad Nadeem Iqbal, Senior Scientist (Soil Fertility), Ayub Agricultural Research Institute, Faisalabad has been promoted as **Principal Scientist (Soil Fertility/BS-19)** and posted at the same place.

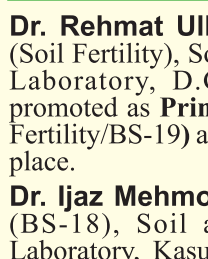
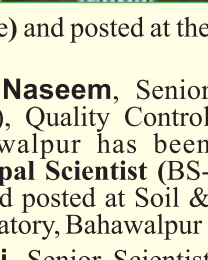
Mr. Aleem Sarwar, Senior Scientist (Soil Fertility), Soil and Water Testing Laboratory, Faisalabad has been promoted as **Principal Scientist (Soil Fertility/BS-19)** and posted at the same place.

Dr. Abid Niaz, Senior Scientist (Soils), Soil Chemistry Section, Ayub Agricultural Research Institute, Faisalabad has been promoted as **Principal Scientist (Agriculture Chemistry/BS-19)** and placed at the Provincial Reference Fertilizer Testing Laboratory, Raiwind, Lahore. Subsequently, he has been entrusted to look after the charge of the post of **Chief Scientist (BS-20)** of the same laboratory.

Dr. Rehmat Ullah, Senior Scientist (Soil Fertility), Soil and Water Testing Laboratory, D.G. Khan has been promoted as **Principal Scientist (Soil Fertility/BS-19)** and posted at the same place.

Dr. Ijaz Mehmoob, Senior Scientist (BS-18), Soil and Water Testing Laboratory, Kasur has been assigned the look after charge of the post of **Principal Scientist (Sodic – BS-19)** Soil and Water Testing Laboratory, Lahore in addition to his on duties.

Muhammad Ashraf Bhatti, Senior Scientist (BS-18),





Soil and Water Testing Laboratory, Layyah has been assigned the look after charge of the post of Principal Scientist (Soil Fertility – BS-19) Soil and Water Testing Laboratory, D. I. Khan in addition to his own duties.

Syed Tanseer Hussain Shah,

Senior Scientist (BS-18), Soil and

Water Testing Laboratory, Khanewal has been assigned the look after charge of the post of Principal Scientist (Soil Fertility – BS-19) Soil and Water Testing Laboratory, Multan in addition to his own duties.



Mr. Muhammad Jamil, Senior Scientist (BS-18), Soil and Water Testing Laboratory, Sahiwal has been assigned the look after charge of the post of Principal Scientist (Agricultural Chemistry -BS-19) Soil and Water Testing Laboratory, Multan in addition to his own duties.



Dr. Zafar Abbas, Senior Scientist (BS-18), Soil and Water Testing Laboratory, Bahawalpur has been assigned the look after charge of the

post of Principal Scientist (Agricultural Chemistry -BS-19) Soil and Water Testing Laboratory, Bahawalpur in addition to his own duties.

Ms. Sowm Khan, who graduated [M.Sc (Hons)] from the Department of Soil and Environmental Sciences, The University of Agriculture, Peshawar has joined the Soil and Water Conservation Department, KPK, as Soil Conservation Officer.

Mr. Irshad Ali and Mr. Muhammad waheed, who graduated [M.Sc (Hons)] from the Department of Soil and



Environmental Sciences, The University of Agriculture, Peshawar have joined KPK Soil Survey Department as Assistant Soil Survey Research Officer (BPS-17).



Mr. Zohaib R. Bughio, Mr. Raza M. Buriro, Mr. Zaheeruddin Solangi, Mr. Khalid U. Shar, Mr. Mohiuddin Mahar, MS. Asma Abro, Mr. Sadam H. Pirzado, MS. Durshana Khan, Mr. Ahmed D. Lakho, Dr. Jhama Das, Mr. Saeed Akhtar, Sindhu Khuhro, and Sajid H. Kaleri, graduated from the Department of Soil Science, Sindh Agriculture University Tandojam have been appointed as Agriculture Officer (BPS-17) in the Agriculture Extension Wing, Agriculture Supply & Prices Department, Government of Sindh through Sindh Public Service Commission.

Congratulations to all from the desk of Soil Science News.

Honor and Awards

MS Munazza Yousra, Scientific Officer, Land Resources Research Institute, National Agricultural Research Centre, Islamabad earned PARSA Best Young Scientist Award in recognition of her outstanding achievements in the field of Soil and Environment Sciences.

Mr. Muhammad Irfan Khan, PhD Scholar, Department of Soil and Environmental Sciences, MNS University of Agriculture, Multan earned six-month research fellowship under International Research Support Initiative Program, HEC, Islamabad. During this period, he will conduct research on 'Production of high quality alfalfa on salt affected lands by selecting salt tolerant germplasm and soil amendments' under the supervision of Dr. Daniel H. Putnam, Department of Plant Sciences, University of California, Davis, USA.



Mr. Ibad Ullah, PhD Scholar, Department of Soil and Environmental Sciences, The University of Agriculture, Peshawar has achieved six-month fellowship under Higher Education Commission, Islamabad program 'International Research Support Initiative'. He will conduct part of his thesis research work under the supervision of Prof. Dr. Carl Rosen, Department of Soil, Water and Climate, University of Minnesota USA.



Congratulations to all from the desk of Soil Science News.

Ph. D. Degree

Dr. Muhammad Izhar Shafi has successfully completed his PhD degree. His PhD thesis research on "Effect of humic acid coated phosphatic fertilizers inoculated with mycorrhiza on yield and phosphorus uptake of maize and wheat in calcareous soil" under the supervision of Prof. Dr. Muhammad Sharif, Chairman Department of Soil and Environmental Sciences, The University Agriculture, Peshawar.



Dr. Shabana Ehsan, Scientific Officer, Soil Bacteriology Section, Ayub Agricultural Research Institute, Faisalabad has completed her PhD in Soil Science from the University of Agriculture, Faisalabad. Her thesis research title was "Potential effect of bioenergy waste for improving soil health and crop production." She also conducted part of her thesis research at Dalhousie University, Nova Scotia, Canada under 'International Research



Renewal of Memberships and Updating Mailing Address

All the honorable members are requested to contact **Dr. Muhammad Iqbal**, Treasurer SSSP for renewal/new membership and updating mailing addresses at:

treasurer@sss-pakistan.org
info@sss-pakistan.org
0336-5888159

Support Initiative Program', HEC, Islamabad.

Dr. Muhammad Amin has successfully completed his Ph.D. degree from the Department of Soil & Climate Sciences, The University of Haripur. His thesis research work was on 'Investigation of pesticide residues in soil, leaves and fruits of peach growing areas of district Swat under the supervision of Professor Dr. Ali Raza Gurmani.



Congratulations to all from the desk of Soil Science News.

Research Grant

Dr. Ishaq A. Mian KaKakhel, Associate Professor (TTS), Department of Soil and Environmental Sciences, The University of Agriculture, Peshawar has earned a research grant 8.21 million from Pakistan Science Foundation, Islamabad under Competitive Research Grant – 18th Protocol. The Title of the awarded research project is “*Research and Integration Demonstration on Water-saving High-efficiency and Eco-friendly technologies for Dryland Agriculture*”. The said project is one of the highest funding grants approved by PSF for Khyber Pakhtunkhwa for the year 2021. It is a great honor for UAP family and specifically Department of Soil & Environmental Sciences, UAP, Peshawar. This project will extremely be useful and develop new research links between The University of Agriculture, Peshawar and Institute of Environment and Sustainable Development in Agriculture, Chinese Academy of Agricultural Sciences, Beijing, China.



Special Seminar

One Day Seminar/webinar, on Trunk injection technique for fertilizer, insecticides and fungicides for fruit orchards, was organized by Department of Soil and Climate Sciences, The University of Haripur, Khyber Pakhtunkhwa on September 22, 2021. Dr. Roshan Ali, Director, Agriculture Research Institute, Mingora, Swat shared his research experiences on the eco friendly and cost effective technology. He added that the technology was tested in various orchards of swat and plant response was very encouraging. The seminar was attended by large number of scientists face to face and online. The Vice Chancellor, University of Haripur Professor Dr. Anwar-ul-Hassan Gilani, and Vice Chancellor Professor Dr. Zahir Shah, University of Chitral also grace the seminar.



World Congress of Soil Science 2022 Abstract Submission

The organizers of The World Congress of Soil Science 2022 (WCSS) are delighted to announce the opening of the abstract submission process for oral presentations and posters.

The WCSS is inviting abstract submissions for the Inter-divisional sessions, the Divisional scientific sessions, and the Working Group sessions and a full list of sessions, chosen to reflect the Congress theme, *Crossing Boundaries, Changing Society*, can be found on the WCSS website:

www.22wcsc.org/conference/abstracts

The abstract submission deadline is **24:00 GMT on the 31 October 2021**, and acceptance notifications can be expected in January 2022. For further information and to apply, visit www.22wcsc.org/conference/abstracts or email us at wcsc2022@spk.co.uk

Travel Grants

Any member of the Soil Science Society of Pakistan (Life, Regular and Student), who intends to present his research data and his research paper is accepted for presentation in any well reputed International Conference may apply for travel grant. The SSSP will try to seek travel grant from Pakistan Science Foundation. For details, please contact **Dr. Ghulam Murtaza Jamro**, General Secretary, SSSP (Email: general.secretary@sss-pakistan.org / gjamro@gmail.com)

Soil and Environment Portal

Soil Science Society of Pakistan has developed a “Soil and Environment Portal” to highlight and publicize the innovative and outstanding research findings in the areas of Soil and Environmental Sciences. All the scientists working in these areas are requested to share 100 words summary of research along with pictorial if any to Dr. Ghulam Murtaza Jamro, General Secretary, SSSP at:

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gjamro@gmail.com
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