



In the Name of Allah, the Beneficent, the Merciful

# Soil Science News

Quarterly Newsletter of Soil Science Society of Pakistan

Editor: Dr. M. Muhammad-ul-Hassan

Associate Editor: Dr. Ejaz Rafique

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## EDITORIAL

### Soil Management in Changing Climate

Comprehending the rapid changes in climate and increase in frequency of extreme climatic event in the country and their adverse impact on agricultural productivity, the Executive Council of Soil Science Society of Pakistan has opted theme for the upcoming Congress “**Soil Management in Changing Climate**”.

The agricultural Scientists, particularly Soil Scientists need to be focused their efforts for handling the impacts of climate changes on crop production and ensure continuous supply of food and fiber, along with protection of ecosystem. Although, it is difficult to describe the future trend of climate changes on the bases of individual extreme event, at the same time we experienced extreme climatic events more frequently in the last few years. For example,



**Dr. Abid Mahmood, D. G. (Agri. Res.), AARI, Faisalabad addressing the participants of the seminar.**

we experienced regular flooding during moon soon and extreme temperature in Pakistan and in other neighboring countries.

Climate change threatens to disrupt our health, agriculture, water resources, forests and wildlife, coastal areas, the diversity of habitats and the life dependent on them. Agriculture sector being closely tied to natural resource base is more vulnerable to climate change. Therefore, a new way of thinking about agriculture is required for feeding the planet's ever-increasing population while dealing with climate change. The protection and monitoring of the soil must be recognized as a principal component of environmental stewardship. Positive inducements are necessary, along with mandatory regulations, to ensure soil's ecological and functional integrity. This becomes even more important in the current scenario of climate change.

## NEWS AND VIEWS

### Special Seminar On “Bio Slurry: An Organic Source for Sustainable Agriculture”

A National Seminar on “Bio-Slurry: An Organic Source for Sustainable Agriculture” was organized by Soil Chemistry Section, Institute of Soil Chemistry and Environmental Sciences (ISCES), Ayub Agricultural Research Institute Faisalabad and Pakistan Domestic Biogas Program (PDBP) of Rural Support Program Network at, AARI, Faisalabad. The seminar was organized to highlight the energy crises and escalating prices of inorganic fertilizer. There was two sessions – inaugural and a technical session.

Dr. Riaz Ahmad Sial, Agricultural Chemist welcomed the guests and highlighted the current fertility status of



Pakistani soils. Mr. Khalil Ahmad Tatla, Chief Operating Officer, PDBP/RSPN briefed the house about the activities of PDBP and RSPN. The Chief guest, Dr. Abid Mahmood, Director General Agri. (Research), AARI, Faisalabad urged the integrated use of organic and inorganic sources of plant nutrients for crop production. The inaugural session was ended with the vote of thanks by Dr. Shahid Javid.

The technical session was chaired by Mr. Ajmal Khan Malik, Director, Soil and Water Conservation Research Institute, Chakwal and Co-Chaired by Prof. Dr. Zahir Ahmad Zahir, Institute of Soil and Environmental Sciences (ISES), University of Agriculture, Faisalabad, Dr. Farhat Abass, Chairman, Soil and Environment Department, G.C. University Faisalabad and Dr. Shahid Javid, Agricultural.

*Continued at page 6*

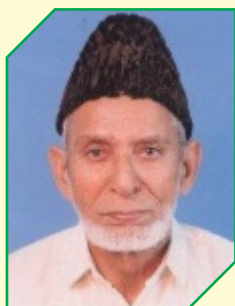
## STORY OF SOIL SCIENCE SOCIETY OF PAKISTAN

Soil scientists of the country established the *Soil Science Society of Pakistan* in 1958, with headquarters in Dhaka, then East Pakistan, and a Regional Chapter of the Society was established in Lyallpur, then West Pakistan. Professor Dr. Usman Ghani was Founder President. Due to political backdrop, the Regional Chapter of the Society remained dormant for more than a decade. In 1984, the Society was revived with its headquarter in Faisalabad, which was later shifted to Islamabad.

The Soil Science Society of Pakistan is the most functional Society within the agriculture sector and has created a vibrant professional community. The Society has a membership of over 500 professionals from all over Pakistan and AJK. The Society aims to promote soil science research and its application, create facilities and provide platform for close cooperation among the scientists working in Soil Science and allied disciplines.

Affairs of the Society are managed by an elected Executive Council (EC), elected for two years, consisting of a President, five Vice Presidents (one from each province and AJK), General Secretary, Joint Secretary, Treasurer, eight Councilors, immediate Past-President and Editor-in-Chief (S&J).

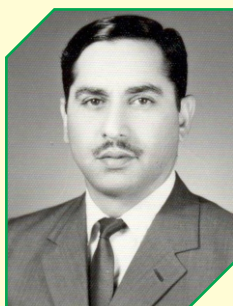
### Presidents of the Society



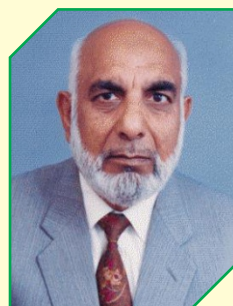
Mr. Hayyat M. Bhatti  
1980-83



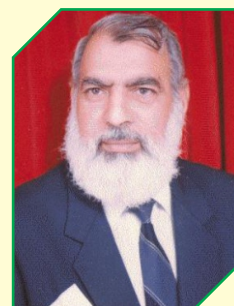
Dr. M. Aslam Mian  
1983-84



Mr. Dost M. Malik  
1985-88



Mr. M. Alam Mian  
1989-90



Mr. M. T. Saleem  
1991-92



Mr. Habib-ur-Rehman  
1993-94



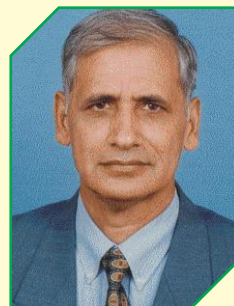
Dr. Khalid H. Gill  
1995-96



Dr. Riaz H. Qurashi  
1997-2000



Dr. M. Mohsin Iqbal  
2001-02



Dr. Nisar Ahmed  
2003-04



Dr. Abdul Rashid  
2005-06



Dr. Riaz A. Khattak  
2007-2008



Prof. Dr. M. Arshad  
2009-10



Dr. Shahid Mahmood  
2011-12



Prof. Dr. Zahir Shah  
2013-14

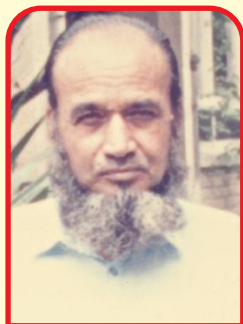
Vote of no confidence was passed in SSSP General Body Meeting, 1984 against the sitting Executive Council (EC) and an ad hoc committee was constituted to hold the EC election. The nominated President of the committee was **Mr. Hayat M. Bhatti** and **Dr. Muhammad Rashid** was Secretary.

## STORY OF SOIL SCIENCE SOCIETY OF PAKISTAN continued .....

### Secretaries/General Secretaries of the Society



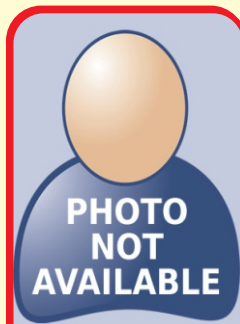
Dr. Nazir Ahmad  
1980-82



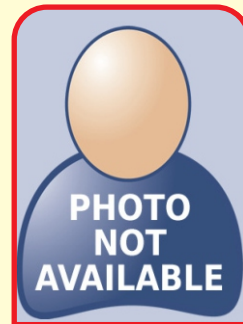
Dr. Altaf Hussain  
1983-84



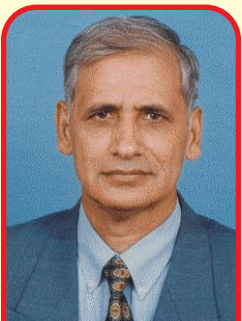
Dr. M. Rashid  
1984 (Adhoc)



Mr. A. Hadi Ansari  
1985-86



Dr. Mushtaq Ahmad  
1986-90



Dr. Nisar Ahmed  
1991-94



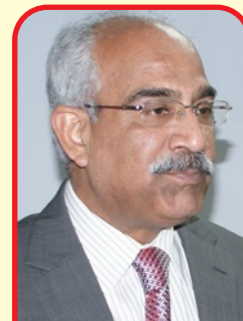
Mr. Mukhtar A. Tahir  
1995-96



Dr. M. Ibrahim  
1997-98



Dr. M. E. Akhtar  
1999-2000



Dr. S. Mahmood  
2001-2002



Dr. Safdar Ali  
2003-2004



Dr. Zahir Shah  
2005-2006



Dr. N. ulHassan  
2005-2006



Dr. M. M. ulHassan  
2009-2012



Dr. M. T. Siddique  
2012- to-date

### Membership of the Society

In addition to **Regular Member** - life, year on year, and student members, the Society also has **Honorary** and **Patron, Member**. During 2012, the Society's membership was 715 and their detail is under

I) Life members: 212

II) Year on year members: 503

III) Student members: 212

IV) Honorary members: 7

V) Fellows: 6

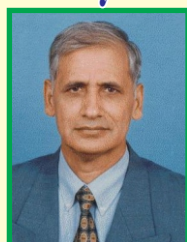
### Honorary Members of the Society



Dr. Abdul Wahab  
(Deceased)



Dr. M. Aslam Mian



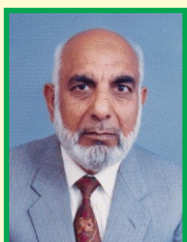
Dr. Nisar Ahmed



Dr. Amanullah Bhatti



Dr. Riaz H. Qurashi



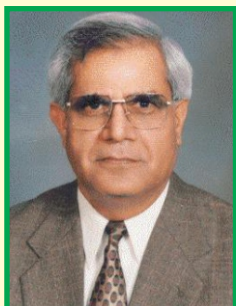
Mr. Alam Mian



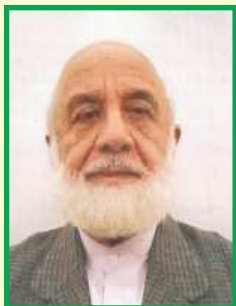
Mr. Dost M. Malik  
Deceased

## STORY OF SOIL SCIENCE SOCIETY OF PAKISTAN continued .....

### Fellows of the Society



Dr. Muhammad Sadiq



Dr. Habib-ur-Rehman



Dr. Abdul Rashid



Dr. Muhammad Rashid



Prof. Dr. Kazi S. Memon



Prof. Dr. M. Arshad



Dr. Muhammad Ibrahim



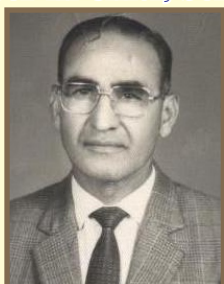
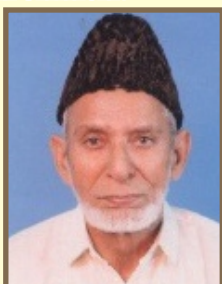
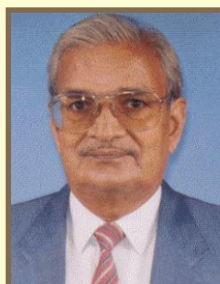
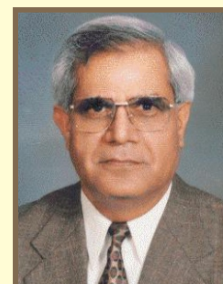
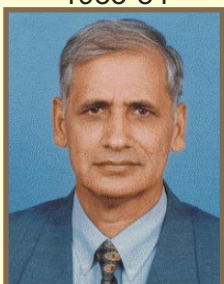
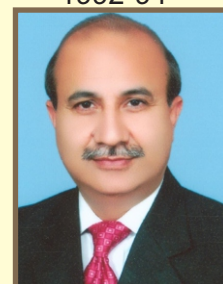
Dr. Farooq-e-Azam

### Publications of the the Society

The Society publish a journal, Soil & Environment (SE), a news letter 'Soil Science News' Soil Scientist Directory of Pakistan, Brochures, Congress Recommendations and other materials relating to the Soil and Environment.

The **Soil & Environment** (formerly, this was published as Pakistan Journal of Soil Science and started in 1983) is a six monthly journal (used to be quarterly) devoted to the advancement and dissemination of scientific knowledge concerning all disciplines of Soil and Environmental Sciences like soil fertility, soil chemistry, soil mineralogy, soil microbiology and biochemistry, soil physics, soil genesis, classification and morphology with particular emphasis on soil, plant and environment relationship.

### Editor-in-Chief, Soil & Environment

Dr. Shah Muhammad  
1983-84Dr. Hayat M. Bhatti  
1985-86Dr. Muhammad Rafiq  
1987-91Dr. Muhammad Sadiq  
1992-94Dr. Nisar Ahmed  
1995-02Dr. M. Mohsin Iqbal  
2002-2004Prof. Dr. M. Arshad  
2005-2008Prof. Dr. Zahir A. Zahir  
2009- to-date

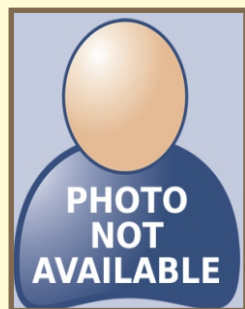
## STORY OF SOIL SCIENCE SOCIETY OF PAKISTAN continued .....

### Soil Science News

Soil Science News is the newsletter of the Soil Science Society of Pakistan and is published quarterly. Issues provide information regarding scientific articles (not reviewed) and salient research finding soil related topics, local and international activities of Pakistani soil scientists, social information, conferences and book reviews.

Up to 2000, Secretary of the Executive Council, SSSP was responsible to publish the Soil Science News and from 2001, an Editor was assigned the duty of Soil Science News publication.

### Editors of Soil Science News



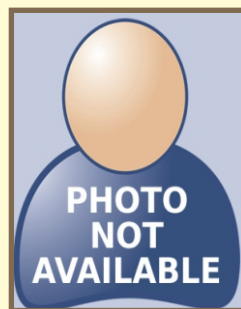
Mr. M. Akram  
1989-90



Dr. Shahid Mahmood  
1995-96



Dr. M. E. Akhtar  
1997-2000



Mr. Aslam Kausar  
2001-2001



Dr. M. M. ul-Hassan  
2003-2006



Prof. Dr. Zahir Shah  
2007-08



Dr. Shahid Javed  
2009-10



Dr. Ghulam Nabi  
2011-12



Dr. M. M. ul-Hassan  
2013 - today

### Congresses of Soil Science

**Congresses of Soil Science** are being organized regularly once in two years, since 1985. Each Congress is participated by about 400 scientists and about 175 scientific presentations are made. The Plenary Session comprises of invited presentations, by leading scientists, related to the Congress Theme. And the volunteered papers are presented either orally or as posters. The Congress recommendations are disseminated amongst federal and provincial policy makers, administrators in agricultural research, education and extension, and agro-based industry. Details are as under:

- |  |                 |
|--|-----------------|
| 1 <sup>st</sup> Managing Soil Resources to Meet National Challenges                  | 1985 Lahore     |
| 2 <sup>nd</sup> Soil for Agriculture Development                                     | 1988 Faisalabad |
| 3 <sup>rd</sup> Soil Health for Sustainable Agriculture                              | 1990 Lahore     |
| 4 <sup>th</sup> Efficient Use of Plant Nutrients                                     | 1992 Islamabad  |
| 5 <sup>th</sup> Pakistan Soils: Problems and Management                              | 1994 Peshawar   |
| 6 <sup>th</sup> Soil Care for Environmental Protection                               | 1996 Lahore     |
| 7 <sup>th</sup> Wise Soil Management for Agricultural Sustainability                 | 1998 Faisalabad |
| 8 <sup>th</sup> Soil for Food Security   | 2000 Islamabad  |
| 9 <sup>th</sup> Soil Management under Stress Environment                             | 2002 Faisalabad |
| 10 <sup>th</sup> Management of Nutrient Resources for Food Security                  | 2004 Tando Jam  |
| 11 <sup>th</sup> Management for Sustainable Agriculture and the Environment          | 2006 Islamabad  |
| 12 <sup>th</sup> Achieving Millennium Development Goals Through wise Soil Management | 2008 Peshawar   |
| 13 <sup>th</sup> Efficient Resource Management for Sustainable Agriculture           | 2010 Faisalabad |
| 14 <sup>th</sup> Soil Science: Service to Mankind and Environment                    | 2012 Lahore     |
| 15 <sup>th</sup> Soil Management in Changing Climate                                 | 2014 Islamabad  |

## PROMOTION/APPOINTMENT AND POSTING

**Prof. Dr. Shafqat Nawaz**, Department of Soil Science, Dera Ghazi Khan Campus, University of Agriculture, Faisalabad has been appointed as Principal/Project Director, Burewala Campus, University of Agriculture, Faisalabad.



**Dr. Sajid Mahmood Nadeem**, Assistant Professor, Department of Soil Science, Dera Ghazi Khan Campus, University of Agriculture, Faisalabad has been promoted as Associate Professor and placed at Burewala Campus, University of Agriculture, Faisalabad. Dr. Nadeem is specialized in Soil Microbiology.

**Mr. M. Rashid Waqas**, Research Officer, Institute of Soil and Environmental Sciences, University of Agriculture, Faisalabad has been appointed as Lecturer, Department of Soil Science, Burewala Campus, University of Agriculture, Faisalabad. Mr. Rashid has already submitted Ph.D thesis in University of Agriculture, Faisalabad and thesis research was completed under supervision of Prof. Dr. Muhammad Arshad, Dean, Faculty of Agriculture, University of Agriculture, Faisalabad.



**Mr. M. Jamil Baig**, Agricultural Officer (Field), Soil and Water Testing Laboratory, Sahiwal has been promoted as Assistant Agricultural Chemist and placed at Maize and Millet Research Institute, Yousaf Wala, Sahiwal.

*Soil Science News congratulates all the colleagues on behafe of SSSP !*

### Special Seminar On “Bio Slurry.....

*Continued from page 1*

Chemist (Soils), ISCES, Faisalabad. In technical session,



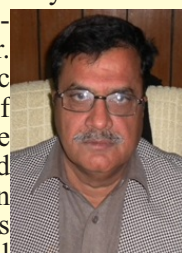
five research papers were presented and the speaker were Prof. Dr. Zahir A. Zahir, ISES, UAF, talked on “Bio fertilizer for sustainable crop production: Bio Slurry as a potential carrier”; Dr. Maqshoof Ahmad, Asstt. Prof., Dept. Soil and Environ., Islamia University, Bahawalpur

discussed the “Bio Slurry as a potential source to improve crop yield and plant health”; Mr. Iftkhar Ahmad, ISES, UAF, gave presentation “Bio Slurry: the step towards sustainable agriculture”; Mr. Atif Mahmood, ARO, ISCES, AARI, Faisalabad spoke on “Integrated use of bio slurry for vegetable production” and Miss Ifra Saleem, ARO, ISCES, AARI, Faisalabad talked about the “Use of bio slurry for wheat production”.

## RETIREMENT

**Mr. Ajmal Khan**, Director, Soil & Water Conservation Research Institute, Chakwal retired on 03-03-2014. Mr. Khan joined Punjab Agricultural (Research) Department on 19.04.1977 as Agricultural Officer after completing M.Sc.(Hons.) Agri. (Soil Science) from University of Agriculture, Faisalabad. In 1987, he was promoted as Assistant Agricultural Chemist and in 2007 as Agricultural Chemist. Mr. Khan assumed the charge of Director, Soil & Water Conservation Research Institute, Chakwal in 2012. He established Soil and Water Testing Laboratory, Mianwali under ADP project during 1987-91. He executed several National and International development project successfully. He published more than 40 research articles in peer reviewed journal.

**Mr. Qaisa Javed**, Director, Soil Salinity Research Institute, Pindi Bhattian, retired on 31-01-2014 after 37 years professional career. Mr. Javed earned BSc (Hons) Agri and MSc (Hons) Agri from University of Agriculture, Faisalabad and Post Graduate Diploma from Norway. He joined Soil and Water Testing Laboratory, Bahawalpur in 1977 as Agriculture Officer and was promoted as Assistant Agricultural Chemist in 1992. Subsequently, he was elevated to the position of Agricultural Chemist in 2007 and Director in 2012.



**Mr. Liaquat Ali**, Soil Bacteriologist, Agri. Biotech. Research Institute, AARI Faisalabad has retired on 19-02-2014. He joined Agriculture Research in 1981 as Assistant Research Officer. He worked at different positions in different sections / institutes at AARI Faisalabad. His research was mainly focused on



different aspects of Soil Microbiology and production of microbial inoculants for legumes and non-legumes.

*We pray for their good health and a prosperous retired lives.*

**N**ews and Views for next issue of the Soil Science News, may be conveyed to Society office bearer of you chapter or to **Dr. M. Mahmood-ul-Hassan**, Editor, Soil Science News, Land Resources Research Institute, National Agricultural Research Centre, Islamabad 45500, Pakistan. Tel: +92 51 8443128; E-mail: mmh@comsats.net.pk