



ZIA-UL-HASSAN SHAH, PhD

Professor of Soil Science, Department of Soil Science
Sindh Agriculture University, Tandojam-70060, Pakistan

Phone: +92.22.9250.960, Fax: +92.22.9250.621

Email: zhnshah@sau.edu.pk, zhnshah@gmail.com

[<http://fcpd.sau.edu.pk/ss/faculty-members.php>]



Prof. Dr. Zia-ul-Hassan Shah holds a PhD in Soil Science from the University of Agriculture, Faisalabad, and is currently serving as Professor in the Department of Soil Science, Sindh Agriculture University (SAU), Tandojam. He is regarded as one of the leading faculty members and researchers of SAU Tandojam, having earned recognition and credibility not only from his students – as one of the most dedicated teachers – but also from the scientific and farming communities as one of the foremost agricultural scientists of Sindh. Most recently, he was honoured with the *Performance Incentive Grant Award* by the Universities and Boards Department, Government of Sindh. Earlier, he received the *Best University Teacher Award* from the Higher Education Commission (HEC) of Pakistan, Islamabad; the *Research Productivity Award* (twice), along with the highest scientific title *Productive Scientist of Pakistan* from the Pakistan Council for Science & Technology (PCST), Ministry of Science & Technology (MoST), Pakistan; and the prestigious *Distinguished Services to the Society Award* by the Soil Science Society of Pakistan. He submitted the first-ever *ORIC Score Card* and secured the first HEC ranking for SAU Tandojam, enabling the University to achieve enhanced budgetary incentives. Furthermore, he drafted and successfully defended, in both the Academic Council and the Syndicate, the approval of the first-ever *Intellectual Property Policy* of SAU Tandojam. He has supervised eight PhD and 150 MSc scholars in various disciplines and executed a wide range of highly significant research projects funded by the Sindh Government, Sindh HEC, and HEC Pakistan. He also established two state-of-the-art laboratories – the *Plant Nutrition Research Laboratory* (PNRL) and the *Organic Fertilisers Research Laboratory* (OFRL) – at SAU Tandojam. Among his most notable achievements is the *Development of Organic Fertilisers from Fruits and Vegetable Market Waste*, supported by a Sindh Government-funded project. Another remarkable accomplishment is the *Development of Soil Spatial Variability Maps of Sindh Province* – undertaken for the first time – funded through the internal resources of PNRL, SAU Tandojam. His expertise is unique in the areas of climate-smart agriculture, soil spatial variability mapping and site-specific fertilisation, low-nutrient-input sustainable crop production and environmental health, Integrated Plant Nutrient System (IPNS), 4R Nutrient Stewardship, nutrient-use-efficient crop genotypes, and the development of novel organic-, bio- and nano-fertilizer products. Prof. Shah has served in agriculture both with the Department of Agriculture (Research Wing), Government of Sindh (12-year), and SAU Tandojam (15-year) for over 27 years, holding several key technical and administrative positions including Agriculture Chemist (Soils), Agriculture Chemist (Soil Fertility), Deputy Director (Technical) and Director at the Agriculture Research Institute (ARI), Tandojam. In addition, he has served as Director Advanced Studies, Director ORIC, Advisor (Planning & Development), and Advisor (General) to the Vice Chancellor, SAU Tandojam. His research output is significant, with a cumulative Impact Factor of ~130, a smart citation index of ~1900, an efficient h-index of 24, and an i10-index of ~50, from ~150 publications. These include research and review papers, books, booklets and book chapters, conference abstract books and proceedings, web editorials, and advisory news articles. He is currently serving on the leading committees of HEC Pakistan, including the *HEC Journal Ranking Committee* and the *HEC Grievance Committee*. He played active role as a member of the first-ever committee to formulate the Application Form, SOPs, and Terms and Conditions for the award and evaluation of projects under the *Sindh Research Support Programme* of Sindh HEC. Based on his scientific and research contributions, he has served on the Editorial Board of several highly reputed national and international scientific research journals in agriculture and soil science, including the *Pakistan Journal of Agriculture* (Editor-in-Chief), *Pakistan Journal of Agricultural Sciences*, *Frontiers in Soil Science*, *Frontiers in Agronomy*, *Soil & Environment*, and the *Journal of Animal and Plant Sciences*. He is also an active member of various international scientific societies, including the Soil Science Society of America, Crop Science Society of America, American Society of Agronomy, and American Society for Microbiology. In addition, he is a Life Member of several professional national societies, including the Soil Science Society of Pakistan (where he served as Vice President), Chemical Society of Pakistan, Pakistan Botanical Society, and Pakistan Society of Agronomy. He is founding Admin of *Sindh Soil Science Foundation* Facebook Group. He regularly organizes scientific events and training for the agricultural community, especially soil science students and researchers. His vision aligns with the United Nations Sustainable Development Goals, striving for sustainable agricultural systems that secure food security and environmental health. At heart, he remains devoted to serving students, colleagues, and farming communities with humility and dedication, believing that science should advance knowledge, inspire hope, and create a lasting legacy of sustainability for generations to come.
