

Professional Profile Statement of Dr. Hafeezullah Babar

Dr. Hafeezullah Babar is a distinguished soil scientist, academic leader, and visionary innovator currently serving as the **Principal Scientist and Director (BS-19) at the Soil Fertility Research Institute, Tandojam**, under the **Agriculture Department, Government of Sindh**. With an illustrious career spanning over two decades since joining the department on **December 9, 1996**, Dr. Babar has consistently demonstrated exceptional commitment to advancing soil science, sustainable agriculture, and scientific capacity building at both provincial and international levels.

A trailblazer in the history of agricultural research in Sindh, **Dr. Babar is the only scientist within the Agriculture Department of Sindh to surpass 1,367 Google Scholar citations**, with an **h-index of 9** and an **i10-index of 7**, setting a precedent in research excellence and global recognition. His scholarly contributions include **17 peer-reviewed journal publications, 9 international proceedings, 27 published abstracts**, and two **authored book**, with an additional distinction of being **Editor-in-Chief of the "Soil Fertility Magazine"**, a key publication from the Soil Fertility Research Institute.

Dr. Babar's landmark achievements include:

- **Launching Sindh's first-ever data-driven advisory system for farmers**, empowering growers with precision-based recommendations tailored to regional conditions.
- **Serving as Co-Chair of the historic 1st International Soil Science Conference (ISSC-2025)**, jointly organized with SAU Tandojam and supported by the Higher Education Commission – a milestone event that has elevated the province's scientific standing.
- **Instituting the first Lifetime Achievement Awards** for senior soil scientists from reputed institutions like NIA, SAU Tandojam, and Agriculture Research Sindh – an initiative praised for its foresight and respect toward scientific legacy.
- **Authoring a chapter in the globally published book "Legume Crops for Food Security – Cultivation and Benefits"** by IntechOpen, highlighting the importance of legumes in enhancing soil fertility.
- **Pioneering research in micronutrient fertilizer recommendations (Zn, Cu, B, S)** for wheat and cotton, laying the foundation for modern nutrient management in Sindh's agriculture.

- **Innovating wheat production** through the introduction of the **cutting method**, with results published in a reputed national journal, showcasing practical solutions for improving yield and biomass distribution.
- **Introducing locally developed bio-solutions and bio-enzymes** as alternatives to chemical fertilizers – a first in the region, contributing to the growing field of regenerative agriculture.
- **Becoming the first scientist from Sindh's Agriculture Department invited as a keynote speaker at an international soil science conference**, marking a turning point in Sindh's scientific diplomacy and representation on the global stage.
- **Publishing a book on organic farming in the Sindhi language**, bridging the gap between high-end research and on-ground application by local farmers through linguistically accessible knowledge.

Dr. Babar has demonstrated continuous professional development, having participated in **23 international seminars/workshops, 8 international conferences abroad, 5 virtual conferences, 17 domestic trainings, and 6 technical tours**. His professional excellence has been recognized through **9 awards** and **13 letters of appreciation** from esteemed scientists and institutions.

As a dedicated mentor, Dr. Babar has also co-supervised several **PhD and MSc students from Sindh Agriculture University (SAU) Tandojam**, nurturing the next generation of soil scientists. His work exemplifies the ideals of translational research, knowledge sharing, and community-focused innovation.

Through his unwavering dedication, Dr. Hafeezullah Babar has not only redefined the boundaries of soil science in Sindh but has also positioned the province as a hub of agricultural innovation on the global map. His legacy is one of impactful science, collaborative spirit, and relentless pursuit of sustainability.

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