



# PASTIC

# NEWSLETTER

Volume 9, Issue 1

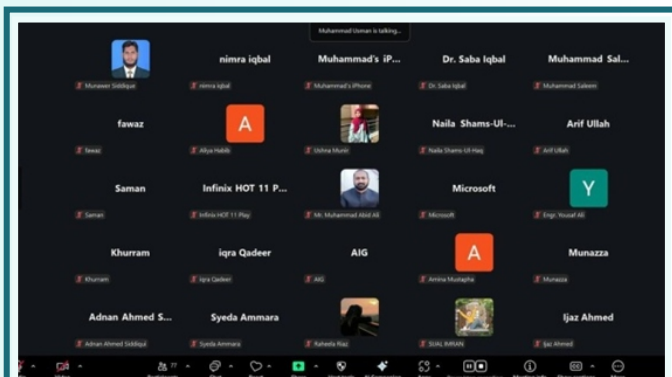
January 2026

## Hybrid Webinar on Data Analysis with SPSS

PASTIC National Center, Islamabad organized a hybrid (onsite/online) webinar titled “Data analysis with SPSS” on January 22, 2026. The event attracted more than 85 participants from Pakistan and abroad.

During the webinar, Mr. Nabi Bux delivered an overview of the services offered by PASTIC. He highlighted key resources available through the PASTIC website, including access to scientific article databases, information on R&D projects, research equipment, and other related support services aimed at strengthening the national research ecosystem.

The technical session was led by Dr. Muhammad Usman, Database Administrator, who delivered an introductory presentation on SPSS. His session covered foundational concepts such as understanding data types, data manipulation techniques, and performing descriptive and inferential statistical analyses, supported by simple and illustrative examples to enhance participants' understanding.



*Glimpse of the webinar showing participants on data analysis with SPSS*

## ONE DAY SEMINAR ON "DRAFTING AND FILING OF PATENT APPLICATION"

PASTIC Regional Office Peshawar in collaboration with PCSIR Laboratories Complex Peshawar organized a one-day seminar "Drafting and Filing of Patent Application" on January 13, 2026 at PCSIR Lab. Complex, Peshawar. The seminar featured a keynote address by Zahoor Ahmad Director, Directorate of Quality Enhance, University of Peshawar in which he emphasized the significance of IPR including patents, copy-rights, trademarks, trade secrets, industrial design

and drafting and filing of patent application. A total of 60 participants including scientists of PCSIR Peshawar along with Director General PCSIR Labs Peshawar.



*Group photo of seminar on "Drafting and Filing of Patent Application at PCSIR, Peshawar*

## TWO-DAYS HANDS-ON TRAINING ON "DATA ANALYSIS USING SPSS"

The PASTIC National Center, Islamabad successfully concluded two-days hands-on training on “Data Analysis using SPSS” held from January 28–29, 2026. The training brought together 46 researchers and faculty members from leading academic and research institutions, including Quaid-i-Azam University (QAU), International Islamic University (IIU), Pakistan Institute of Development Economics (PIDE), Pir Mehr Ali Shah Arid Agriculture University, Fatima Jinnah Women University (FJWU) and others.

Participants were guided through essential statistical concepts that form the basis for effective data analysis. The session began with an introduction to the basic principles of statistical analysis followed by a detailed discussion on different types of data and their characteristics. Emphasis was placed on data pre-processing techniques including data transformation methods and the analysis of missing values highlighting their importance in ensuring data quality and accuracy. Participants also gained hands-on experience in data manipulation using SPSS allowing them to apply theoretical concepts in a practical environment.

Hands-on inferential analysis—including t-tests, ANOVA, correlation, regression, and chi-square testing—was conducted data import from multiple sources was demonstrated and a team-based case study exercise was facilitated.



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Chairman PSF, Prof. Dr. Mohammad Akmal, visited the session encouraged converting training into employable skills, sought constructive feedback, emphasized end-of-training evaluations and reaffirmed PSF's commitment to skill development aligned with national and market needs.

The sessions were conducted by Dr. M. Usman (DBA, PASTIC), as the resource person. Ms. Rabia Zafar, Lecturer at Bahria University, provided continuous voluntary support by assisting participants throughout the training sessions.



Group photo of the participants of training on "Data Analysis using SPSS"

### Workshop on "The Research Publication Pathway: Navigating the Submission and Review Process"

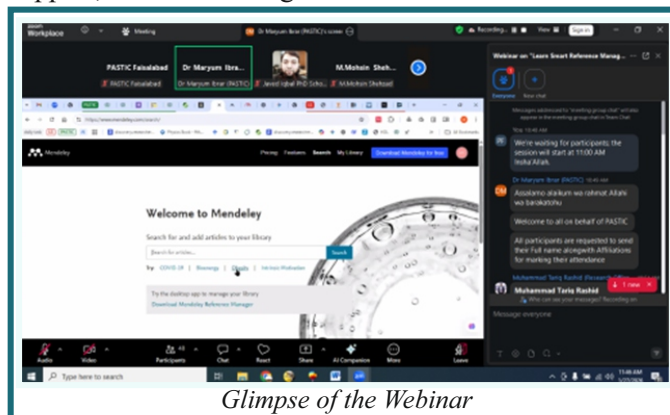
PASTIC regional office Faisalabad organized a one day workshop on "The Research Publication Pathway: Navigating the Submission and Review Process" on January 06, 2026. The workshop was attended by around 210 participants from Government College Women University Faisalabad. Muhammad Hasnain Additional Director(STI) PASTIC Faisalabad introduced PASTIC's services and its role in scientific knowledge dissemination and research support. The session was conducted by Prof. Dr. Salman Bin Naem, Chairman, Department of Information Management, The Islamia University of Bahawalpur, who shared practical insights on credible journal selection, avoiding predatory practices, publication ethics and the peer-review process. VC. Prof. Dr. Kanwal Ameen (T.I.) emphasized the importance of quality research, ethical compliance and meaningful academic contributions.



Group photo of one day workshop on "The Research Publication Pathway: Navigating the Submission and Review Process" at GC Women University Faisalabad.

### Webinar on "Learn Smart Reference Management with Mendeley"

A significant webinar on "Learn Smart Reference Management with Mendeley" was held on January 27, 2026 at Muhammad Nawaz Sharif University of Agriculture Multan, organized by PASTIC, PSF and MNSUA Multan. The webinar was attended by 48 participants from the university. Muhammad Hasnain, Additional Director PASTIC introduced PASTIC's services briefly highlighting its role in promoting scientific knowledge, research support, and access to digital resources.



Glimpse of the Webinar

Dr. Maryam Ibrar, Additional Director (STI), PASTIC served as the resource person for the webinar. During the two-hours session, participants were introduced to the fundamentals of reference management and learned how Mendeley can streamline academic and research work. Key



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features included organizing research papers, generating citations, creating bibliographies, and integrating Mendeley with Microsoft Word. A live demonstration further helped attendees understand the workflow in real time. In addition, participants were guided on effective literature searching through the HEC Digital Library and open-access repositories such as PubMed, Semantic Scholar etc..

### Webinar on “Research Ethics & Responsible Conduct”

PASTIC regional office Karachi organized a webinar titled “Research Ethics & Responsible Conduct” on January 23, 2026 via Zoom at PASTIC Sub-Centre Karachi. The webinar aimed to promote ethical research practices and enhance awareness regarding integrity, transparency and responsible behavior in scientific research.



Glimpse of the Webinar “Research Ethics & Responsible Conduct” via Zoom at PASTIC, Karachi

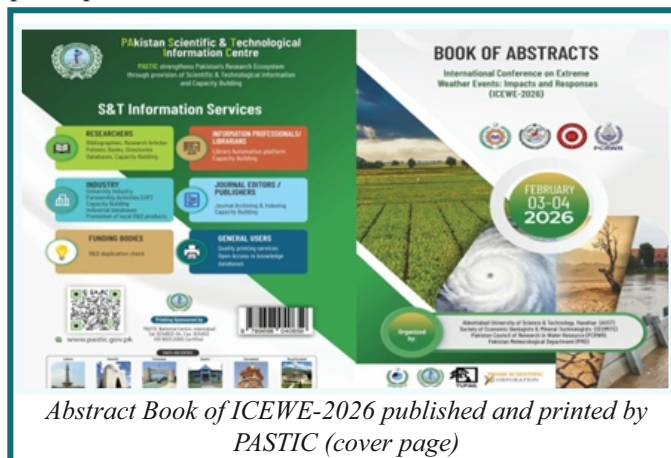
Ms. Afsheen Tariq, Assistant Director (STI), PASTIC Sub-Centre Karachi highlighted the role of PASTIC as a constituent organization of the Pakistan Science Foundation (PSF).

The session was led by Dr. Bina Hasan, Assistant Professor, Department of Biochemistry, and University of Karachi who delivered an insightful presentation on research ethics, plagiarism and authorship responsibilities, data integrity. The webinar was attended by around 100 participants including faculty members, researchers, and students from universities, R&D institutions, and research organizations across Pakistan.

### Abstract Book of the International Conference on Extreme Weather Events: Impacts and Responses (ICEWE-2026)

February 03-04, 2026

The Society of Economic Geologists & Mineral Technologists (SEGMITE), Abbottabad University of Science & Technology (AUST), Pakistan Council of Research in Water Resources (PCRWR), Pakistan Meteorological Department (PMD) in collaboration with PASTIC and HEC will host the two-days International Conference on Extreme Weather Events: Impacts and Responses (ICEWE-2026) February 03-04, 2026. PASTIC collaborated by printing and publishing 150 copies of the abstract book for the conference, ensuring that the research contributions and scholarly insights were widely accessible to participants and institutions.



Abstract Book of ICEWE-2026 published and printed by PASTIC (cover page)

### Abstract Book of the 7<sup>th</sup> International Conference on Sustainability in Process Industry (SPI-2026)

February 09-10, 2026

Two-day 7<sup>th</sup> International Conference on Sustainability in Process Industry (SPI-2026) will be organized by the Department of Chemical Engineering, University of Engineering & Technology, Peshawar, on February 09-10, 2026, in collaboration with HEC PASTIC, Tehnolo (Pvt) Ltd. PASTIC contributed to the event by printing and publishing 80 copies of abstract books for the conference. This collaboration aims to foster innovation and sustainable practices in the process industry, bringing together experts and enthusiasts from around the world.

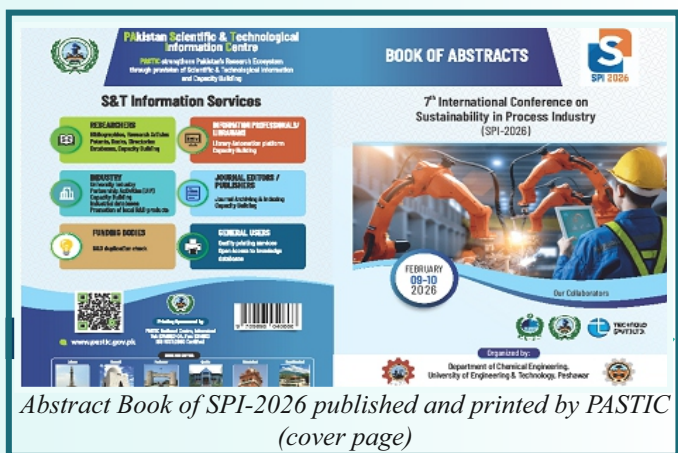


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Abstract Book of SPI-2026 published and printed by PASTIC (cover page)

### EVENT/ WEBINAR /MEETING ATTENDED

a. Ms. Afsheen Tariq, Assistant Director, PASTIC Sub-Centre Karachi visited the exhibition stalls of “Mera Brand Pakistan” on January 03, 2026 at the Expo Centre Karachi. The exhibition was organized by the Pak International Business Forum (PIBF). During her visit, Ms. Afsheen

Tariq interacted with exhibitors and reviewed a diverse range of locally developed products and services highlighting Pakistan's growing entrepreneurial spirit and industrial potential.

b. Mr. Syed Shabib Zaidi, Science Assistant, PASTIC Sub-Centre Karachi, visited the “19<sup>th</sup> Build Asia International Exhibition 2026” on January 22, 2026 at the Expo Centre Karachi. The exhibition was organized by E-Commerce Gateway Pakistan (Pvt.) Ltd. The visit aimed to provide insights into emerging technologies and current industry trends while offering opportunities to strengthen linkages between research, innovation, and the construction sector.

c. Mr. Syed Shabib Zaidi, Science Assistant, PASTIC Sub-Centre Karachi participated as a Jury Member for JUW-ERITA 2026 (Exhibition of Research, Innovation, Technology, and Arts) to evaluate student projects on January 31, 2026. His participation reflected PASTIC's continued support for promoting innovation, research excellence and academic engagement.



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