



# PASTIC

Volume 8, Issue 10

# NEWSLETTER

## October 2025

### TWO-DAYS TRAINING WORKSHOP ON “RESEARCH TOOLS & TECHNIQUE USING SPSS”

PASTIC concluded its Two-Days Training Workshop on “Research Tools & Techniques: Data Analysis using SPSS” held from October 23–24, 2025, at the PASTIC National Centre, Quaid-i-Azam University (QAU) Campus, Islamabad. The Training Workshop brought together 30 participants from various universities and organizations across Islamabad and Rawalpindi. Attendees represented a wide range of academic disciplines including Zoology, Biochemistry, Economics, Statistics, Social Sciences, and Media Studies, from institutions such as QAU, CUST, IIU, PIDE, and NUST.

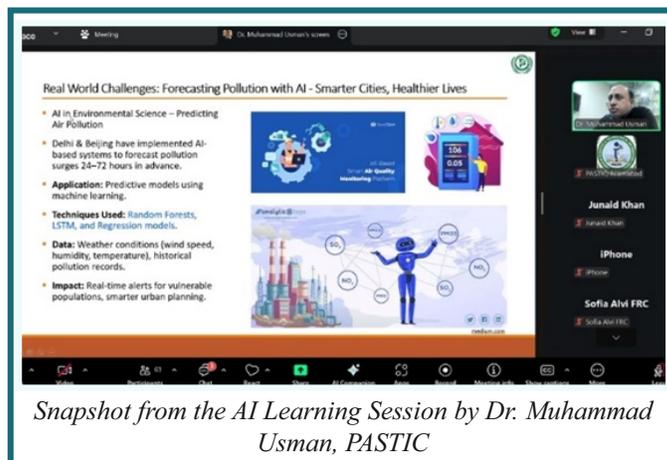


Group photo of participants of two-days training workshop on “Research Tools & Techniques: SPSS”

Participants gained valuable insights into data handling, interpretation, and the effective use of SPSS software, strengthening their research and analytical capabilities. On the occasion, Director General of PASTIC, Prof. Dr. Muhammad Akram Shaikh, underscored the value of these training initiatives, remarking: “PASTIC remains committed to equipping researchers and students with state-of-the-art analytical tools and methodologies. Initiatives like this workshop play a vital role in fostering a culture of data-driven research and evidence-based decision-making in Pakistan.”

### WEBINAR ON “FOUNDATION OF AI: UNLOCKING THE POWER OF DATA, ALGORITHMS, AND DISCOVERY”

PASTIC successfully organized a webinar titled “Foundations of AI: Unlocking the Power of Data, Algorithms, and Discovery” on October 22, 2025. The event served as an important initiative to promote awareness and understanding of Artificial Intelligence (AI) and its pivotal role in driving innovation, data analysis, and scientific advancement.



Snapshot from the AI Learning Session by Dr. Muhammad Usman, PASTIC

The webinar brought together a diverse group of experts, researchers, and academicians to discuss key concepts underlying AI, including the role of data and algorithms in shaping future technological developments. A total of 70 participants attended the session. Participants also explored the potential applications of AI in research, education, and industry, with a focus on fostering inter-disciplinary collaboration and capacity building.

### WEBINAR ON “LEARN HOW TO WRITE RESEARCH PAPERS/ THESIS by USING LATEX”

The Pakistan Scientific and Technological Information Centre (PASTIC) National Centre, Islamabad, successfully organized an online webinar titled “LaTeX: The Most Widely Used Software for Research Paper



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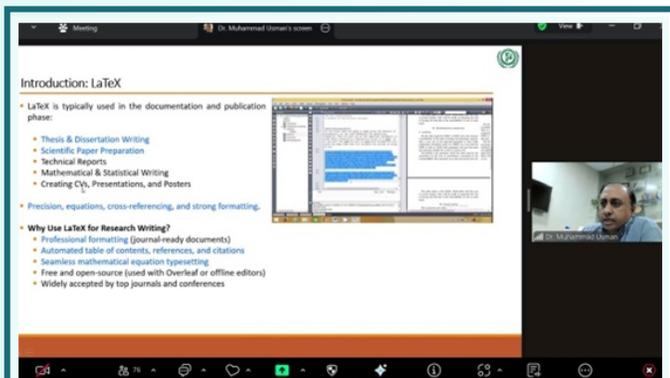
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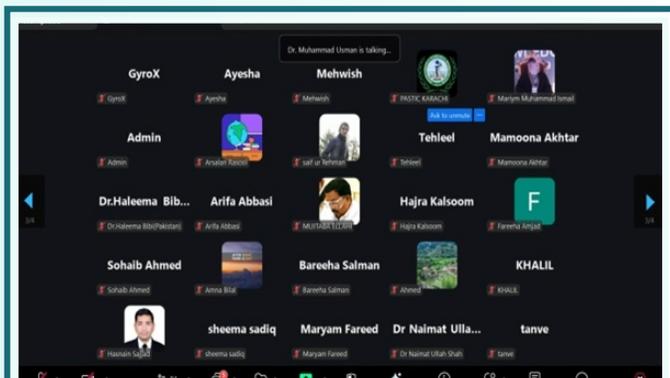
Writing” on October 28, 2025. The event attracted 96 participants from Pakistan, China, and Türkiye.

The webinar provided a comprehensive introduction to LaTeX, a professional typesetting system extensively used for preparing scientific and academic documents. Through lectures and practical demonstrations, participants learned how to create and structure research papers effectively. The session covered essential topics such as inserting and formatting figures, tables, and mathematical equations, managing citations and references with BibTeX, and organizing lists, sections, and cross-references efficiently.



*LaTeX Demonstration by Dr. Muhammad Usman, PASTIC*

Participants expressed keen interest in joining the upcoming on-site, hands-on training session on LaTeX, scheduled to be held at PASTIC National Centre, Quaid-i-Azam University Campus, Islamabad, in November 2025, for more in-depth and practical learning.



*Glimpse of webinar on LaTeX*

## Two-Days Training Workshop on “AI & Data Sciences: Advancing Research Across All Sciences”

The Pakistan Scientific and Technological Information Centre (PASTIC) successfully concluded its two-days Training Workshop on “AI & Data Sciences: Advancing Research Across All Sciences”, held on October 30–31, 2025, at the PASTIC National Centre, Quaid-i-Azam University (QU) Campus, Islamabad.

This workshop of PASTIC's ongoing series on “Artificial Intelligence for All Sciences,” brought together 20 participants representing a wide range of institutions including Quaid-i-Azam University (QU), Capital University of Science & Technology (CUST), Fatima Jinnah Women University (FJWU), and the Sindh Education Department from diverse academic and research backgrounds—such as Zoology, Chemistry, Computer Science, and Social Sciences. This workshop truly demonstrates the interdisciplinary impact of Artificial Intelligence (AI) and Data Science in advancing modern research.

During the two-days program, core topics in machine learning, data visualization, research data management, and AI applications in science were covered. The workshop featured hands-on demonstrations, case studies, and discussions to help participants understand how AI can be effectively integrated into ongoing research projects.

At the closing ceremony, Prof. Dr. Muhammad Akram Shaikh, Director General of PASTIC, underscored the pivotal role of Artificial Intelligence and Data Science in advancing research and development across Pakistan. According to him, “Artificial Intelligence is no longer confined to computer science alone—it is transforming every discipline, from life sciences to social sciences. Through these workshops, PASTIC aims to build national capacity by empowering researchers with the knowledge and tools needed to apply AI effectively in their respective fields.”

Participants appreciated PASTIC's efforts in organizing the training and providing a collaborative platform for interdisciplinary learning. By organizing regular workshops, seminars, and training programs, PASTIC seeks to equip Pakistan's scientific community with 21st-century skills, fostering a culture of innovation and digital transformation in research institutions across the country.



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*Group photo of the two-days training workshop on “AI & Data Sciences: Advancing Research Across All Sciences”, at PASTIC National Centre, Islamabad*

### Online Session on “Literature Searching and Management Skills for Researchers”

A significant webinar on “Literature Searching and Management Skills for Researchers” organized by PASTIC, PSF, and ORIC held on October 21, 2025 at University of Layyah. The event drew 70 participants from the university and surrounding organizations. Muhammad Hasnain Additional Director PASTIC introduced PASTIC's services, highlighting its role in promoting scientific knowledge, research support, and access to digital resources.



*View of webinar on “Literature Searching and Management Skills for Researchers”*

The session was initiated with an introduction to the fundamentals of literature review by Dr. Maryum Ibrar (Additional Director, PASTIC), after which participants were briefed on various literature search platforms, including both freely

accessible resources and those subscribed through the Higher Education Commission (HEC). AI-assisted literature search tools—such as Research Rabbit, Semantic Scholar, and SciSpace—were also introduced. The program concluded with an in-depth demonstration of the Mendeley Reference Manager, showcasing its library management features, integrated PDF reader, web plugin, and its capability to generate in-text citations and bibliographies in Microsoft Word, along with the ease of switching citation styles with a single click.

### World Pharmacist Day 2025 Celebrated at Hamdard University, Karachi

The Department of Pharmacy, Hamdard University Karachi, in collaboration with PASTIC Sub-Centre Karachi, organized a one-day seminar on “Think Health – Think Pharmacists” to celebrate World Pharmacist Day 2025. The event was held on October 9, 2025 at the Bait al-Hikmah Auditorium, Hamdard University, Karachi. The seminar aimed to highlight the critical role of pharmacists in strengthening healthcare systems and promoting community well-being.



*Group photo of the One-Day Seminar to celebrate World Pharmacist Day 2025 at Hamdard University, Karachi*

Ms. Afsheen Tariq, Assistant Director (STI), PASTIC Sub-Centre Karachi, emphasized the significant contributions of PASTIC and its parent organization, the Pakistan Science Foundation (PSF), in promoting scientific research and information dissemination, and building strong academia–industry linkages to foster innovation.

The seminar was attended by over 200 participants, including faculty members, pharmacists, researchers, and students. Many distinguished speakers from various



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organizations delivered insightful presentations. The Vice Chancellor of Hamdard University appreciated PASTIC's continued efforts in promoting scientific awareness and strengthening collaborative initiatives.



*Glimpse of the one-day seminar on "Think Health – Think Pharmacists"*

The Chief Guest, Dr. Obaid Ali, Coordinator to the Federal Ministry of National Health Services, Regulations & Coordination, delivered the closing remarks, highlighting the expanding role of pharmacists in modern healthcare systems.

The event also featured a panel discussion on the Pharmacy Curriculum and presentations by national and international experts on emerging trends in pharmacy and healthcare. The seminar concluded with the distribution of shields and tokens of appreciation to speakers and guests by Dr. Shamim Dean, Faculty of Pharmacy, Hamdard University.



*Dean, Faculty of Pharmacy, Hamdard University, presenting shield to Assistant Director (STI) PASTIC Karachi Sub Centre*

### ONE-DAY SEMINAR ON "ARTIFICIAL INTELLIGENCE (AI) FOR HEALTH AND INCLUSION: EMPOWERING CARE AND COMMUNICATION"

PASTIC Sub-Centre Karachi, in collaboration with the Department of Biomedical Engineering, Sir Syed University of Engineering & Technology (SSUET), organized a one-day Seminar on "Artificial Intelligence (AI) for Health and Inclusion: Empowering Care and Communication" on October 28, 2025 at SSUET.



*Group photo of participants and organizers of one-day Seminar at SSUET*

The event was attended by over 150 participants from Ziauddin University, NED University, Aligarh Institute of Technology, and SSUET, facilitating valuable knowledge exchange on AI-driven healthcare solutions.

Ms. Afsheen Tariq, Assistant Director, PASTIC Sub-Centre Karachi, delivered the welcome note, emphasizing the significance of AI in modern healthcare and inclusive technology. She also expressed sincere gratitude to Engr. Dr. Sidra Abid, Chairperson, Department of Biomedical Engineering, SSUET, for her continued collaboration and support.

The resource persons Dr. Hira Zahid, Chairperson, Department of Biomedical Engineering, Ziauddin University, and Engr. M. Jawad Shafique, Senior Lecturer, SSUET delivered insightful presentations on AI tools, applications, and their growing importance in healthcare. An interactive question-and-answer session further enhanced participant engagement.



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*Dr. Muhammad Amir, SSUET, presenting shield to the resource person*

The event concluded with a Vote of Thanks presented by Dr. Muhammad Amir, Dean, Faculty of Electrical & Computer Engineering, SSUET. At the end of the session, certificates and shields were distributed among the organizers and participants in recognition of their contributions and participation.

### EVENT/WEBINAR/MEETING ATTENDED:

a. Dr. Syed Aftab Hussain Shah, Additional Director (STI) and Head, Technology Information Service (TIS), PASTIC represented PASTIC in First Virtual WIPO-IAP Steering Committee Meeting organized by IPO-Pakistan on October 22, 2025.



*Glimpse of the meeting of the WIPO Inventor Assistance Program (IAP) Steering Committee organized online by IPO-Pakistan.*

He participated as a member alongside Dr. Muhammad Fayyaz (Controller of Patents, IPO-Pakistan), Ms. Noshaiha Owais (Director, HEC), Ms. Hina Anwar (Legal Officer, SMEDA), and

Ms. Maheen Salman (Convener, FPCCI Central Committee on Higher Education, Science & Technology). Opening and closing remarks were delivered by Mr. Muhammad Ismail, Director Patents, while Ms. Saima Kanwal, National IAP Coordinator, presented program updates.

### INAUGURAL CEREMONY of Upgraded IPO Regional Office PESHAWAR

b. Dr. Ghazala Ali Khan, Additional Director PASTIC, attended the inaugural ceremony of the upgraded Intellectual Property Organization (IPO) Regional Office Peshawar held at the Governor House, Peshawar on October 21, 2025.

The ceremony was graced by the Honorable Governor of Khyber Pakhtunkhwa, Mr. Faisal Kareem Kundi, as Chief Guest, along with Chairman IPO Pakistan, Mr. Farukh Amil, President of the Chamber of Commerce, Mr. Yaqoob Zakoti, along with prominent industrialists, academicians, and heads of S&T and R&D organizations.

The event highlighted the pivotal role of the upgraded IPO Regional Office in promoting innovation, protecting intellectual property rights, and strengthening the collaboration between academia, industry, and research organizations across the region.



*Group photo of Inaugural Ceremony of Upgraded IPO Regional Office Peshawar*

c. PASTIC Sub-Centre Karachi actively participated in the “Pharma Career Fair 2025” on October 15, 2025 organized by the Jinnah College of Pharmacy at Sohail University, Karachi. The event was attended by over 180 participants, including faculty members, pharmacists, researchers, and students from different organizations.

d. Ms. Afsheen Tariq, Assistant Director (STI), conducted a Zoom meeting on October 3, 2025 at PASTIC Sub-Centre



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Karachi with Mrs. Maiba Shamshad and her team from Contegris Technologies(Simplified).



*Glimpse of the Meeting with Contegris Technologies*

e. Ms. Afsheen Tariq, Assistant Director (STI), PASTIC Sub-Centre Karachi, attended a webinar organized by COMSTECH, Islamabad, on the topic “AI Applications for Ecosystems Resilience in the Context of One Health”, held on October 13, 2025. More than 120 National and International participants joined the session, including researchers, academicians, and professionals from various scientific and technological organizations.

f. PASTIC Sub-Centre Karachi actively participated in the “Pharma Career Fair 2025” on October 15, 2025 organized by the Jinnah College of Pharmacy at Sohail University, Karachi. The event was attended by over 180 participants, including faculty members, pharmacists, researchers, and students from different organizations. The objective of PASTIC Sub-Centre Karachi's participation was to promote PASTIC services among students, researchers, and industry professionals, enhance institutional visibility, and explore potential collaborations in the pharmaceutical and healthcare sectors. The participation also aimed to guide students about available scientific information services, research support facilities, and opportunities offered by PASTIC to strengthen research and innovation in Pakistan.

g. Mr. Syed Shabib Zaidi, Science Assistant from PASTIC Sub Centre Karachi, attended a seminar titled “Hand in Hand: Better Food, Better Future” and visited Projects on October 16, 2025 at University of Karachi. The Event was organized by the Department of Food Science and Technology, University of Karachi, in celebration of World Food

Day 2025.

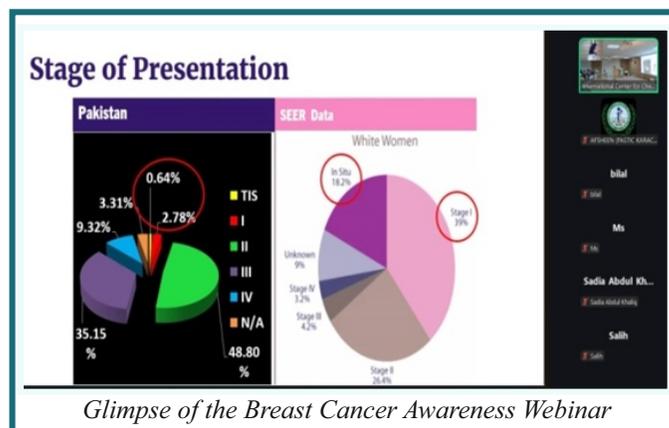
h. Ms. Afsheen Tariq, Assistant Director (STI), attended the “Online Grant Writing Workshop for Early and Mid-Career Researchers” organized by The Global Health Network via Zoom meeting on October 21, 2025.



*Glimpse of the Online Grant Writing Workshop*

i. Ms. Afsheen Tariq, Assistant Director (STI), PASTIC Sub-Centre Karachi attended the “22nd Health Asia 2025 International Exhibition and Conference” on October 24, 2025 at the Expo Centre Karachi. Organized by E-Commerce Gateway Pakistan. The event highlighted innovations in the healthcare, dental, and medical technology sectors.

j. Ms. Afsheen Tariq, Assistant Director (STI), PASTIC Sub-Centre Karachi, attended online via Zoom the Public Awareness Session on “Breast Cancer Awareness for a Healthier Pakistan” held on, October 27, 2025, organized by the PCMD, OCKLEY Pakistan, and SIREN at the ICCBS, University of Karachi.



*Glimpse of the Breast Cancer Awareness Webinar*

## PASTIC S&T SERVICES AWARENESS STALL

k. PASTIC Sub-Centre Karachi set up an S&T Services Awareness Stall at the International Conference on Space Science and Technology on October 8, 2025, at the University of Karachi.



*PSCK officials briefing PASTIC Services to the students*

In celebration of World Space Week, the stall promoted PASTIC's services, attracting over 100 students and researchers who appreciated its support for scientific research and innovation.

l. PASTIC Karachi set up an S&T Services Awareness Stall at the "Think Health – Think Pharmacists" seminar for World Pharmacist Day on October 9, 2025, at Hamdard University Karachi. The initiative attracted over 150 students, faculty, and researchers.

m. Ms. Afsheen Tariq of PASTIC Karachi attended the Space Science Conference on October 8, 2025, at the University of Karachi. PASTIC hosted an S&T Services Stall for students during World Space Week.



*Glimpse of the International Conference on Space Science & Technology*



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