



PASTIC

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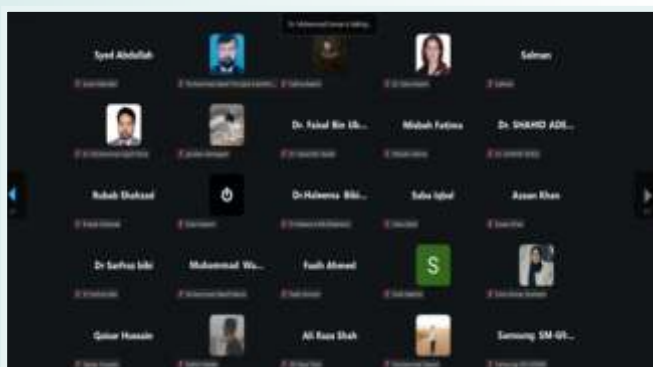
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Webinar on “Foundations of AI: Unlocking the Power of Data, Algorithms, and Discovery”

A webinar titled “Foundations of AI: Unlocking the Power of Data, Algorithms, and Discovery” was successfully conducted on April 29, 2026 through Zoom. The webinar brought together 36 participants from various universities and higher education institutions across Pakistan, including faculty members, researchers, students, and professionals interested in the rapidly evolving field of Artificial Intelligence (AI).

The session was delivered by Dr. Muhammad Usman, who provided a comprehensive introduction to the fundamental concepts of Artificial Intelligence, machine learning, data-driven decision making, and emerging AI technologies. Participants were introduced to the role of data, algorithms, and computational models in solving real-world challenges across different sectors. During the webinar, several practical applications of AI were highlighted, including: Social Media Sentiment Analysis, AI in Agriculture, Data Analytics and Machine Learning Applications.

The webinar concluded with a question-and-answer session, where participants discussed future opportunities for AI research, interdisciplinary collaboration, and capacity-building initiatives in Pakistan. The event successfully enhanced participants' understanding of AI fundamentals and showcased the transformative potential of artificial intelligence in research, education, and sustainable development.



Participants engaged during the webinar on Foundations of AI

Seminar on “Green Synthesis of Nanoparticles Using Plant”

PASTIC Sub-Centre Karachi in collaboration with Pakistan Group of Colleges organized a seminar titled “Green Synthesis of Nanoparticles Using Plant Extract (Eco-Friendly Approach)” on April 18, 2026 at PRIMS, Karachi. The seminar highlighted the importance of eco-friendly scientific innovations and sustainable research practices. The session was attended by more than 20 participants, who actively engaged in discussions and hands-on exploration of green synthesis techniques using plant extracts.



View of the participants of seminar at PRIMS, Karachi

The session was conducted by Dr. Muhammad Israr, who delivered an insightful and practical lecture, while Prof. Sadia Khalil participated as Guest Speaker, sharing her valuable research expertise. Participants gained hands-on experience and practical insights into eco-friendly nanoparticle synthesis, the role of plant extracts, and modern laboratory techniques, making the session highly interactive and informative. A representative from PASTIC Sub-Centre Karachi actively engaged with participants and briefed them about PASTIC's services.

In the concluding session, Dr. Saba Memon, Director of Pakistan, Group of Colleges, appreciated the collaboration with PASTIC Sub-Centre Karachi and distributed shields to the resource person and organizers.

Webinar on “Research Supported AI Tools”

PASTIC Sub-Centre Karachi organized a webinar titled “Research Supported AI Tools” on April 23, 2026 via Zoom at PASTIC Sub-Centre Karachi. The webinar was attended



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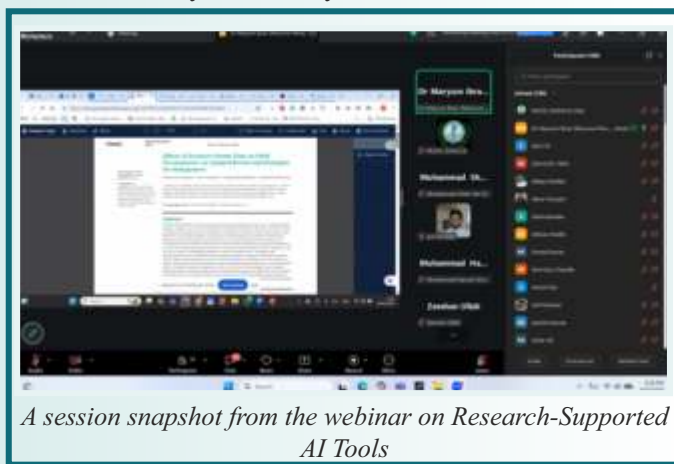
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by around 100 students, researchers, academicians, and professionals from various institutions across the country. The aim of the webinar was to introduce participants to advanced AI tools that support research work, enhance academic productivity, and improve data analysis and writing skills.

Ms. Afsheen Tariq, Assistant Director, PASTIC Sub-Centre Karachi, highlighted the significant role of PASTIC in promoting scientific research, innovation, and access to authentic scientific information resources through its databases, training programs, and collaborative initiatives.

The resource person for the session, Dr. Maryam Ibrar, Additional Director, PASTIC National Centre Islamabad, delivered an insightful and comprehensive presentation on the application of Artificial Intelligence (AI) in research. She elaborated on various AI-powered tools that enhance research productivity, data analysis, academic writing, and overall efficiency in scholarly work.



The webinar proved to be highly beneficial in equipping attendees with knowledge of emerging AI technologies and their role in modern research practices.

Webinar on Hands-on Plagiarism and Research Integrity

PASTIC Sub-Centre Karachi organized a webinar titled “Hands-on Plagiarism and Research Integrity” on April 30, 2026. The session attracted more than 70 participants, including researchers, academicians, professionals, and students from various universities and research institutions across Pakistan. The objective of the webinar was to promote ethical research practices, strengthen academic integrity, and enhance awareness

regarding plagiarism prevention in scholarly writing.



Ms. Afsheen Tariq, Assistant Director, PASTIC Sub-Centre Karachi, welcomed the participants and highlighted the importance of ethical research culture. She emphasized PASTIC's role in providing access to scientific information resources and capacity-building opportunities, and encouraged participants to register on the newly launched research database portal for digital research tools, training, and academic activities.

The resource person for the session was Dr. Samiyah Tasleem, CEO and founder of the Pakistan Education Health and Technology Innovation Consultant Group. She delivered a comprehensive and engaging presentation focusing on plagiarism, ethical writing practices, proper citation and referencing methods, and the core principles of research integrity. Dr. Samiyah also introduced practical tools and strategies to assist researchers in maintaining originality and avoiding academic misconduct.





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Webinars on "Learn Smart Reference Management"

PASTIC, PSF, in collaboration with the Offices of Research, Innovation and Commercialization (ORICs) of the Islamia University of Bahawalpur (IUB) and Women University Multan (WUM), organized two webinars on "Learn Smart Reference Management" on April 9 and April 23, 2026, respectively. The sessions were attended by around 190 participants, including faculty members, researchers and students from both universities.

Mr. Muhammad Hasnain, Additional Director, PASTIC, briefly introduced PASTIC's services, highlighting its role in promoting scientific knowledge, research support, literature access and digital information resources. Dr. Maryam Ibrar, Additional Director (STI/Publication), PASTIC Islamabad, served as the resource person and delivered practical sessions on effective literature searching and reference management using Mendeley and PASTIC resources. She demonstrated how Mendeley supports researchers in organizing literature, storing and annotating references, generating citations and bibliographies, and streamlining the research writing process.



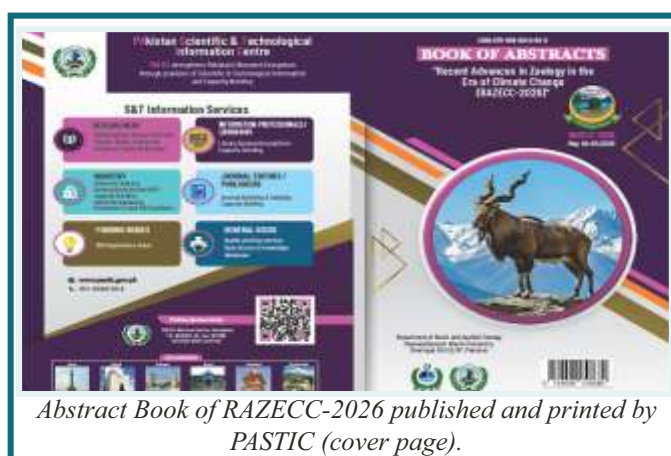
Screenshot during the webinar on Reference Management (WUM)

The webinars contributed to strengthening participants' skills in literature management, citation handling and effective use of national research support services offered by PASTIC.

Abstract Book of the First International Conference ON RAZECC-2026

The Department of Basic and Applied Zoology, Shaheed Benazir Bhutto University, Sheringal, Dir (U), KP in collaboration with PASTIC and HEC will host the two-days 1st International

Conference on "Recent Advances in Zoology in the Era of Climate Change (RAZECC-2026)" May 04-05, 2026. PASTIC collaborated by printing and publishing 200 copies of the abstract book for the conference, ensuring that the research contributions and scholarly insights were widely



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

Event/ Webinar /Meeting Attended

A. Dr. Ghazala Ali Khan, Additional Director, PASTIC, attended the inaugural session of the 3rd International Conference on "Multidisciplinary Research in Basic Sciences and Technology" as Guest of Honour on behalf of the Chairman, Pakistan Science Foundation (PSF). The conference was organized by ORIC, Islamia College Peshawar, with the financial support of PSF, Islamabad.



Dignitaries at the 3rd ICMRBST

B. Dr. Ghazala Ali Khan (Additional Director, PASTIC-PSF Regional Office Peshawar), was honored to participate as a speaker at a TEDx event organized by the Youth Development Centre, The University of Agriculture, Peshawar.



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Group photo of the seminar participants at The University of Haripur

C. Dr. Ghazala Ali Khan, Additional Director, PASTIC-PSF Peshawar, delivered a keynote seminar at the University of Haripur on April 28, 2026, on creating inclusive campuses for female students in STEAM, organized by ORIC-UoH.

D. Captain (R) Muhammad Ali Zafar, Sitara-e-Imtiaz, and Dr. Abid Raza visited PASTIC Sub-Centre Karachi on April 2, 2026, where Ms. Afsheen Tariq, Assistant Director (STI), briefed them on PASTIC services and discussed opportunities for future collaboration.

E. Ms. Afsheen Tariq, Assistant Director (STI) at PASTIC Sub-Centre Karachi, attended an online training session titled “IEEE Learning & Research for Pakistan Students & Researchers: An Overview of IEEE Xplore Digital Library” on April 15, 2026, via Zoom.

F. Ms. Afsheen Tariq, Assistant Director (STI), Sub-Centre Karachi, attended the online Earth Day Policy Dialogue on April 22, 2026, organized to mark Earth Day.

G. A compliance Zoom meeting was convened by Prof. Dr. Muhammad Akram Shaikh, DG PASTIC, on April 20, 2026 at the PASTIC National Centre, Islamabad. The meeting focused on reviewing and improving the web content of the Technology Information Services (TIS) section. All Sectional Heads of PASTIC, along with In-charges of PASTIC Sub-Centres, participated in the meeting.

H. Mr. Abdul Khalique Sial, Assistant Director, PSC Quetta, met with Mr. Syed Shafi Hasni, Controller of Examinations and Director, Department of Biochemistry, University of Balochistan, Quetta, on April 23, 2026, and briefed him on PASTIC/PSF services.



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