

Challenge Addressed by the Initiative

Initiative: ACAPRS Journal for Scientific Publishing

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Languages: Arabic and English

Features: PrePrint, Zenodo database cooperation, ISSN registration, DOI via Crossref

Why Did You Start Your Initiative?

The ACAPRS Journal for Scientific Publishing was initiated to address specific challenges faced by researchers and scholars in Yemen and the broader Middle Eastern region. The ongoing conflict and instability in Yemen have severely impacted the educational and research infrastructure, creating significant barriers to academic advancement and scientific dissemination. The initiative seeks to mitigate these challenges by providing a robust platform for scientific publishing that is both accessible and credible.

Specific Challenges Addressed:

1. Lack of Access to Quality Publishing Platforms:

- **Issue:** Yemeni researchers often struggle to access reputable scientific journals due to infrastructural limitations and the high costs associated with international publishing.
- **Solution:** ACAPRS offers a high-quality, internationally recognized platform that supports both Arabic and English publications, facilitating wider access and participation.

2. Disruption of Educational and Research Activities:

- **Issue:** The conflict has disrupted educational institutions and research activities, making it difficult for scholars to conduct and publish research.
- **Solution:** By providing a PrePrint feature and partnering with Zenodo, the journal ensures that research can be shared promptly and preserved digitally, aiding continuity in academic work despite local disruptions.

3. International Recognition and Standardization:

- **Issue:** Many Yemeni researchers face challenges in getting their work recognized on an international level.
- **Solution:** The journal is registered with the ISSN organization (ISSN: 6697-3006) and grants DOIs in cooperation with Crossref, enhancing the visibility and credibility of the published research globally.

4. Integration with Global Research Networks:

- **Issue:** There is a lack of integration with global research networks, limiting the collaboration and impact of Yemeni research.
- **Solution:** The journal facilitates integration with global research platforms like ORCID, allowing automatic updates and linkages of researchers' publications to their global profiles.

By addressing these challenges, the ACAPRS Journal for Scientific Publishing aims to uplift the academic and research standards in Yemen, fostering a more resilient and connected scientific community amidst the country's ongoing challenges.

Relevance to Youth: Youth Involvement in the Initiative

The ACAPRS Journal for Scientific Publishing places significant emphasis on the involvement of youth, recognizing their critical role in the future of scientific research and education in Yemen. This initiative provides various opportunities for young researchers, students, and aspiring scholars to engage, contribute, and benefit from the platform.

Roles and Contributions of Youth:

1. Research and Publication:

- **Role:** Young researchers and students are encouraged to submit their scientific papers and research findings to the journal. This provides them with a platform to showcase their work to a broader, international audience.
- **Contribution:** By participating in the research and publication process, youth contribute fresh perspectives, innovative ideas, and new findings to the scientific community. Their active involvement helps in diversifying the content and broadening the scope of the journal.

2. Editorial and Review Processes:

- **Role:** Youth are invited to take part in the editorial and peer review processes. This includes serving as junior editors, reviewers, or assistants to senior editors.
- **Contribution:** In these roles, young individuals gain invaluable experience in academic publishing, critical evaluation of scientific work, and understanding the standards of scholarly communication. Their participation ensures that the editorial process is inclusive and incorporates the viewpoints of emerging scholars.

3. Workshops and Training:

- **Role:** The journal organizes workshops and training sessions aimed at equipping young researchers with the necessary skills for scientific writing, research methodology, and publishing.
- **Contribution:** These educational activities enhance the competencies of young scholars, preparing them for future academic and professional pursuits. The youth-driven training sessions also foster a collaborative learning environment.

4. Digital and Social Media Engagement:

- **Role:** Young volunteers and interns manage the journal's digital presence, including social media outreach, website updates, and online promotions.
- **Contribution:** Their efforts in digital engagement help in increasing the journal's visibility, attracting a wider audience, and promoting open access to scientific knowledge. Youth involvement in these activities also ensures that the journal stays relevant in the digital age.

Resulting Outcomes:

1. Enhanced Academic Opportunities:

- Youth participation in the journal leads to increased academic opportunities, including recognition, networking, and potential collaborations with established researchers globally.
- 2. **Skill Development:**
 - Involvement in various aspects of the journal's operations helps young individuals develop crucial skills such as critical thinking, academic writing, research methodologies, and digital literacy.
- 3. **Empowerment and Motivation:**
 - By contributing to a recognized scientific journal, young researchers feel empowered and motivated to pursue further academic endeavors. This sense of achievement can inspire more youth to engage in scientific research and publishing.
- 4. **Strengthening the Scientific Community:**
 - The active involvement of youth helps in building a resilient and forward-thinking scientific community in Yemen. Their contributions ensure the continuity and evolution of scientific discourse despite the challenging local conditions.

By integrating youth into its core activities, the ACAPRS Journal for Scientific Publishing not only addresses immediate academic challenges but also invests in the future of scientific research and education in Yemen.

Impact Achieved: ACAPRS Journal for Scientific Publishing

The ACAPRS Journal for Scientific Publishing has achieved notable impact, particularly in pioneering new approaches and engaging volunteers from Yemeni academic institutions.

First Arab Initiative with PrePrint Feature:

Innovative Publishing Model:

- **First of Its Kind:** The ACAPRS Journal is the first Arab initiative to incorporate the PrePrint feature, in collaboration with the Zenodo database. This allows researchers to share their findings rapidly and receive early feedback before formal peer review.
- **Impact:** This innovative approach has facilitated faster dissemination of research, enabling immediate access to scientific discoveries and fostering early-stage academic discussions.

High Volunteer Engagement from Yemeni Universities:

Academic Community Involvement:

- **Faculty Participation:** There has been a significant influx of volunteers from Yemeni universities, particularly from faculty members. These volunteers play crucial roles in editorial and peer review processes, enhancing the journal's academic rigor.
- **Contribution:** The involvement of these faculty members not only supports the journal's operations but also enriches the quality of the peer review process, ensuring high standards of scientific integrity and scholarship.

Quantitative Data:

1. **Increased Publications:**
 - Over 150 research articles have been published, with many benefiting from the PrePrint feature.
2. **Youth Participation:**
 - More than 60% of submissions are from young researchers, highlighting the journal's role in empowering the next generation of scientists.

Qualitative Insights:

1. **Enhanced Research Quality:**
 - The PrePrint feature allows for early feedback, which helps in refining research before final publication. This leads to higher-quality publications and better-prepared researchers.
2. **Community Building:**
 - The active participation of Yemeni faculty members has fostered a collaborative academic community, which is crucial for the growth of scientific research in Yemen despite challenging conditions.

By focusing on these innovative and community-driven aspects, the ACAPRS Journal for Scientific Publishing not only addresses immediate academic challenges but also sets a precedent for future scientific initiatives in the Arab world.

Utilization of Digital Technology in the ACAPRS Journal for Scientific Publishing

The ACAPRS Journal for Scientific Publishing leverages digital technology to enhance the accessibility, efficiency, and integrity of the scientific publication process. Here's how and why digital technology is utilized in the initiative:

Technologies Used and Their Applications:

1. **PrePrint Platform (Zenodo):**
 - **Technology:** Zenodo, an open-access repository.
 - **Application:** Researchers can upload their manuscripts to Zenodo for PrePrint. This allows their work to be publicly accessible and citable immediately, even before formal peer review.
 - **Why:** The PrePrint feature accelerates the dissemination of research findings, fostering early academic dialogue and collaboration.
2. **Digital Object Identifier (DOI) via Crossref:**
 - **Technology:** Crossref, a DOI registration agency.
 - **Application:** Each published paper is assigned a unique DOI, ensuring a permanent and easily referenceable link to the work.
 - **Why:** DOIs enhance the discoverability and citation of research papers, providing a reliable means of tracking and referencing academic work.
3. **Integration with ORCID:**
 - **Technology:** ORCID, a persistent digital identifier for researchers.
 - **Application:** Publications are linked to researchers' ORCID profiles automatically.
 - **Why:** This integration ensures that all of a researcher's work is consolidated in one place, improving visibility and academic credibility.
4. **Artificial Intelligence for Plagiarism Detection:**
 - **Technology:** Advanced AI-powered plagiarism detection tools.
 - **Application:** Submitted manuscripts are checked for originality to prevent academic misconduct.
 - **Why:** Ensuring the integrity of published research is crucial for maintaining academic standards and trustworthiness.
5. **Digital Publishing and Distribution:**
 - **Technology:** Digital platforms and databases.
 - **Application:** The journal is published online and accessible through various digital libraries and databases.
 - **Why:** Digital publishing broadens the reach of the journal, making it accessible to a global audience regardless of geographic location.

Increasing Access and Promoting Digital Technology Use:

1. **Open Access Policy:**
 - The journal follows an open-access policy, allowing anyone to read and download published articles for free. This promotes the democratization of knowledge and supports the global scientific community, especially in resource-limited settings like Yemen.

2. **Workshops and Training Sessions:**
 - Regular workshops and training sessions are conducted to educate researchers on using digital tools for research and publication. These sessions cover topics like utilizing PrePrint platforms, managing ORCID profiles, and understanding DOIs.
3. **Engaging Young Researchers:**
 - The journal actively involves young researchers in digital publishing processes, providing them with hands-on experience in using cutting-edge digital tools and platforms. This not only enhances their technical skills but also prepares them for future academic challenges.
4. **Digital Communication and Outreach:**
 - The journal uses social media, email newsletters, and webinars to communicate with the scientific community, share updates, and promote newly published research. This digital outreach ensures continuous engagement and dissemination of information.

By effectively utilizing digital technology, the ACAPRS Journal for Scientific Publishing not only streamlines the publication process but also ensures broad access, integrity, and engagement in scientific research. This approach is particularly impactful in regions like Yemen, where traditional academic infrastructure may be limited due to ongoing challenges.

Innovative Approach: ACAPRS Journal for Scientific Publishing

The ACAPRS Journal for Scientific Publishing adopts a unique and forward-thinking approach that sets it apart from traditional scientific journals. Here are the key elements that make this initiative innovative:

First Arab Initiative with PrePrint Feature:

PrePrint Platform (Zenodo):

- **Uniqueness:** The ACAPRS Journal is the first Arab initiative to incorporate the PrePrint feature, in collaboration with the Zenodo database. This allows researchers to share their manuscripts quickly and receive early feedback before formal peer review.
- **Forward-Thinking:** This approach accelerates the dissemination of research findings and fosters early-stage academic discussions, promoting a more dynamic and interactive scientific community.

Support for Yemeni Universities and Lower-Ranked Academic Institutions:

Focus on Local Academic Support:

- **Support for Yemeni Universities:** The journal specifically targets and supports Yemeni universities and academic institutions with lower rankings. By providing a reputable platform for publication, the initiative helps these institutions gain recognition and improve their academic standing.
- **Capacity Building:** The journal offers workshops and training sessions to faculty and students from these institutions, enhancing their research and publishing capabilities.

Impact:

- **Increased Visibility:** By publishing high-quality research from these universities, the journal increases their visibility in the global academic community.
- **Improved Academic Standards:** The support and training provided help raise the academic standards and research output of these institutions.

New Partnership with Research4Life:

Expanding Access to Knowledge:

- **Research4Life Partnership:** The journal is currently pursuing a new partnership with Research4Life, a program that provides developing countries with free or low-cost access to academic and professional content.
- **Objective:** This partnership aims to further enhance access to scientific knowledge for researchers in Yemen and similar regions, bridging the gap between developing and developed countries.

Benefits:

- **Enhanced Resources:** Researchers will have access to a vast array of academic resources, improving the quality of their work and their ability to stay up-to-date with the latest scientific developments.
- **Global Collaboration:** The partnership promotes global collaboration by making it easier for researchers in developing countries to connect with their peers worldwide.

Use of Digital Technology:

Advanced Digital Tools:

- **Integration with ORCID and Crossref:** The journal uses digital identifiers like DOIs (via Crossref) and ORCID to ensure that research is easily accessible and properly attributed.
- **AI for Plagiarism Detection:** Advanced AI tools are used to check for plagiarism, ensuring the integrity and originality of the research published.

Impact:

- **Improved Research Integrity:** The use of AI tools for plagiarism detection helps maintain high ethical standards in publishing.
- **Greater Discoverability:** Digital identifiers make it easier for researchers to find and cite published works, enhancing the journal's impact and reach.

Youth and Community Engagement:

Empowering the Next Generation:

- **Youth Involvement:** The journal actively involves young researchers and students, providing them with opportunities to publish their work and participate in editorial processes.
- **Educational Workshops:** Regular workshops and training sessions equip young researchers with essential skills for scientific writing and publishing.

Impact:

- **Skill Development:** Young researchers gain valuable experience and skills, preparing them for future academic and professional pursuits.
- **Community Building:** The journal fosters a sense of community among researchers, promoting collaboration and knowledge sharing.

By combining these innovative elements, the ACAPRS Journal for Scientific Publishing not only addresses the immediate academic challenges faced by researchers in Yemen and similar regions but also sets a precedent for future scientific initiatives in the Arab world and beyond.

Vision for Growth: Creating New Digital Pathways for Sustainable Development

Over the next 10 years, the ACAPRS Journal for Scientific Publishing aims to grow and create new digital pathways for sustainable development, focusing on both current and future generations. Here is a comprehensive vision for the project's growth:

Expansion of Digital Infrastructure:

1. Enhanced Digital Access:

- **Objective:** Expand the journal's digital infrastructure to provide broader access to scientific knowledge.
- **Vision:** Develop a robust online platform that supports mobile access, offline capabilities, and integration with various digital libraries and databases.
- **Impact:** Ensure that researchers, students, and academics in developing regions, including Yemen, have uninterrupted access to scientific publications, thereby bridging the digital divide.

2. AI and Big Data Integration:

- **Objective:** Incorporate AI and big data analytics into the publication process.
- **Vision:** Use AI for advanced plagiarism detection, predictive analytics to identify emerging research trends, and personalized content recommendations for users.
- **Impact:** Improve the quality and relevance of published research, making it easier for researchers to find pertinent studies and collaborate on groundbreaking projects.

Strengthening Partnerships:

1. Global Academic Collaborations:

- **Objective:** Forge partnerships with leading academic institutions and research organizations worldwide.
- **Vision:** Establish collaborative research projects, joint publications, and exchange programs.
- **Impact:** Enhance the global visibility and credibility of Yemeni researchers, fostering a culture of international academic cooperation and knowledge sharing.

2. Research4Life and Similar Initiatives:

- **Objective:** Fully integrate with Research4Life and other similar initiatives to provide access to a wide range of academic resources.
- **Vision:** Offer comprehensive access to scientific literature, research databases, and educational materials to researchers in Yemen and other developing countries.
- **Impact:** Equip researchers with the necessary tools and resources to conduct high-quality research, contributing to sustainable development and innovation.

Empowering Youth and Local Communities:

1. Educational Programs and Workshops:

- **Objective:** Expand educational programs and workshops focused on scientific research and digital literacy.
- **Vision:** Partner with local universities and educational institutions to provide training sessions on research methodologies, digital tools, and publishing processes.
- **Impact:** Empower the next generation of researchers and scholars with the skills and knowledge needed to thrive in the digital age, fostering a culture of continuous learning and development.

2. Youth-Led Research Initiatives:

- **Objective:** Encourage and support youth-led research initiatives and projects.
- **Vision:** Provide grants, mentorship, and publication opportunities for young researchers.
- **Impact:** Nurture young talent and innovation, ensuring that youth play a central role in shaping the future of scientific research and development.

Promoting Sustainable Development Goals (SDGs):

1. Focus on Relevant Research Areas:

- **Objective:** Prioritize research that addresses key Sustainable Development Goals (SDGs).
- **Vision:** Publish and promote research on topics such as climate change, renewable energy, public health, and sustainable agriculture.
- **Impact:** Contribute to the global effort to achieve SDGs by providing valuable insights and solutions to pressing issues.

2. Community Engagement and Outreach:

- **Objective:** Engage with local communities to raise awareness about sustainable development.
- **Vision:** Organize community outreach programs, public lectures, and interactive sessions to disseminate research findings and educate the public.
- **Impact:** Foster a greater understanding of sustainable development among the general population, encouraging community participation and action.

Vision for the Next 10 Years:

- **Comprehensive Digital Ecosystem:** Develop a comprehensive digital ecosystem that integrates research, education, and community engagement, making scientific knowledge accessible and actionable.
- **Sustainable Development Leadership:** Position the ACAPRS Journal as a leader in promoting sustainable development through research and innovation, with a focus on empowering underrepresented regions and communities.
- **Global Academic Network:** Build a global academic network that connects researchers, institutions, and organizations, facilitating knowledge exchange and collaborative problem-solving.

By pursuing this vision, the ACAPRS Journal for Scientific Publishing aims to create lasting impact and drive sustainable development, ensuring that future generations have the knowledge and resources needed to address the challenges of tomorrow.