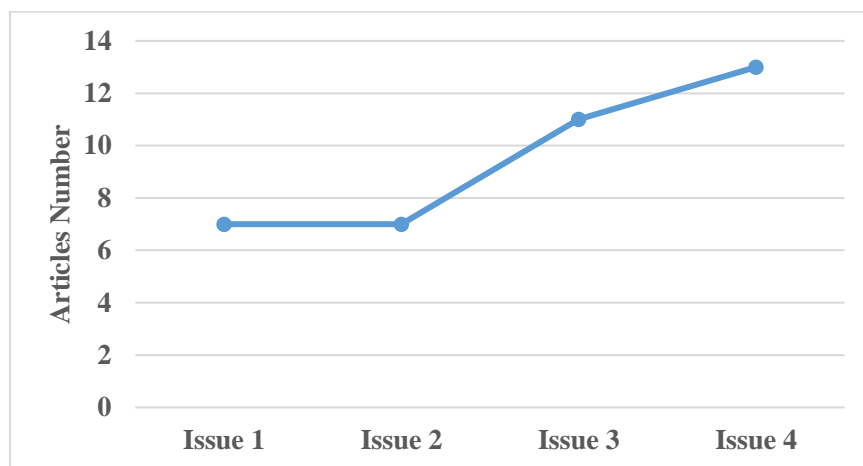


## ERURJ Volume 2 Issues 1-4, A Year of Success

DOI: 10.21608/ERURJ.2024.339222

ERURJ is a multidisciplinary Journal receiving contributions from diverse disciplines of Science and Art. Since the launch of the journal, there has been a remarkable growth in the number of articles published in ERURJ as shown in Figure 1.



**Figure 1: Number of Articles Published in ERURJ Volume 2.**

As the journal receives contributions from several disciplines, the published articles in the second volume exhibited diverse subjects and types being grouped into editorials, research articles, review articles, mini-reviews, and short communications. Moreover, the published articles belong to the disciplines of engineering, pharmacy, and dentistry in accordance with the journal's scope. In this context, Figure 2a summarizes the different article types published in Volume 2 whereas Figure 2 b illustrates the diversity of the published articles in relation to each discipline.

Besides, in each discipline, there was a diversity in the subjects. In this sense, the Engineering discipline exhibited articles on the subjects of civil and environmental engineering, architecture, communications, mechanical engineering, and mathematics (Figure 3). With regards to the Dentistry discipline, it was represented in oral medicine and pathology and conservative dentistry (Figure 4). As for the Pharmacy discipline, the articles belonged to the subjects of natural products and metabolomics, pharmaceutical chemistry and biochemistry, pharmaceuticals and

pharmaceutical technology, clinical pharmacy and pharmacology, and microbiology and immunology (Figure 5)

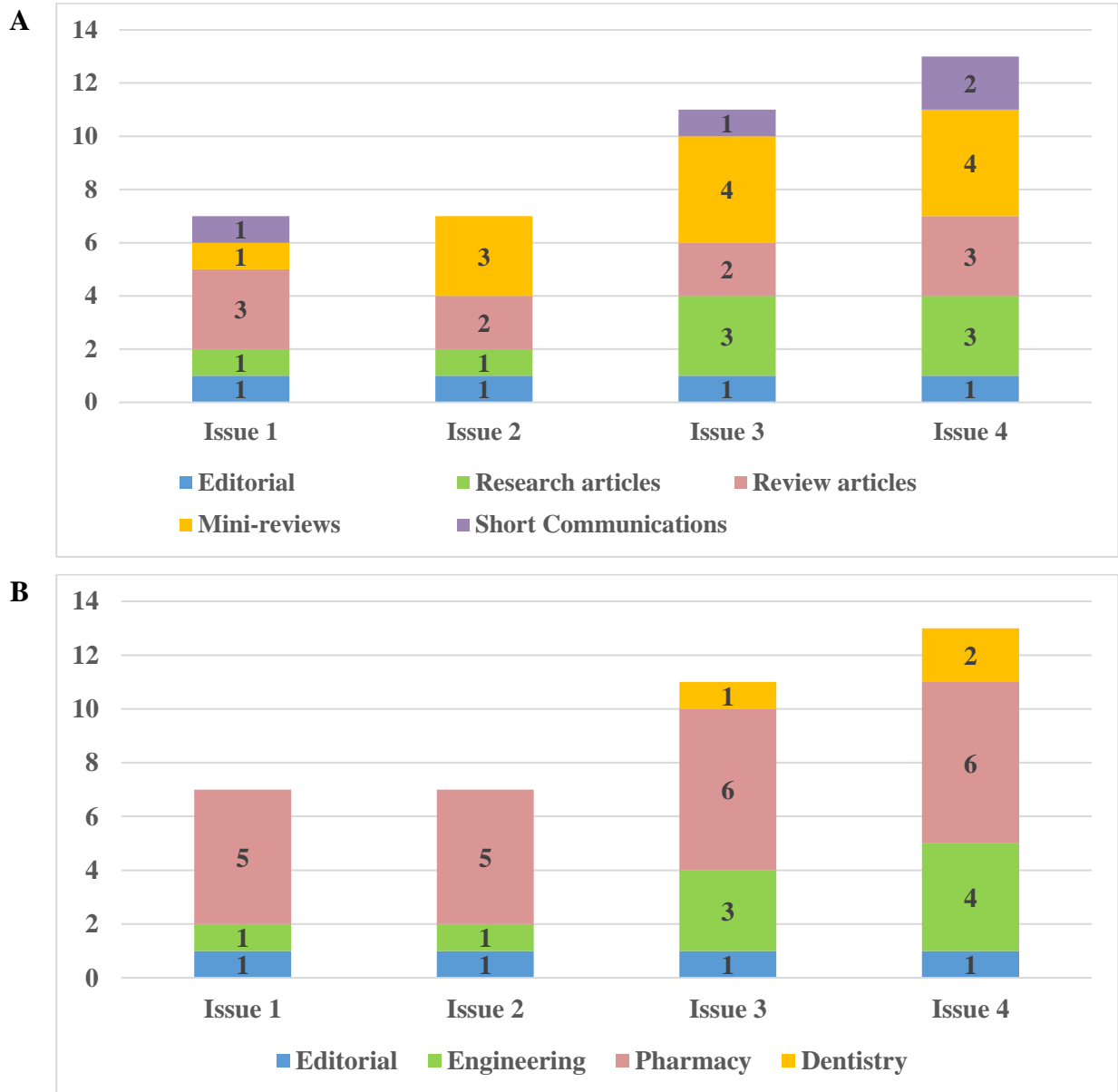
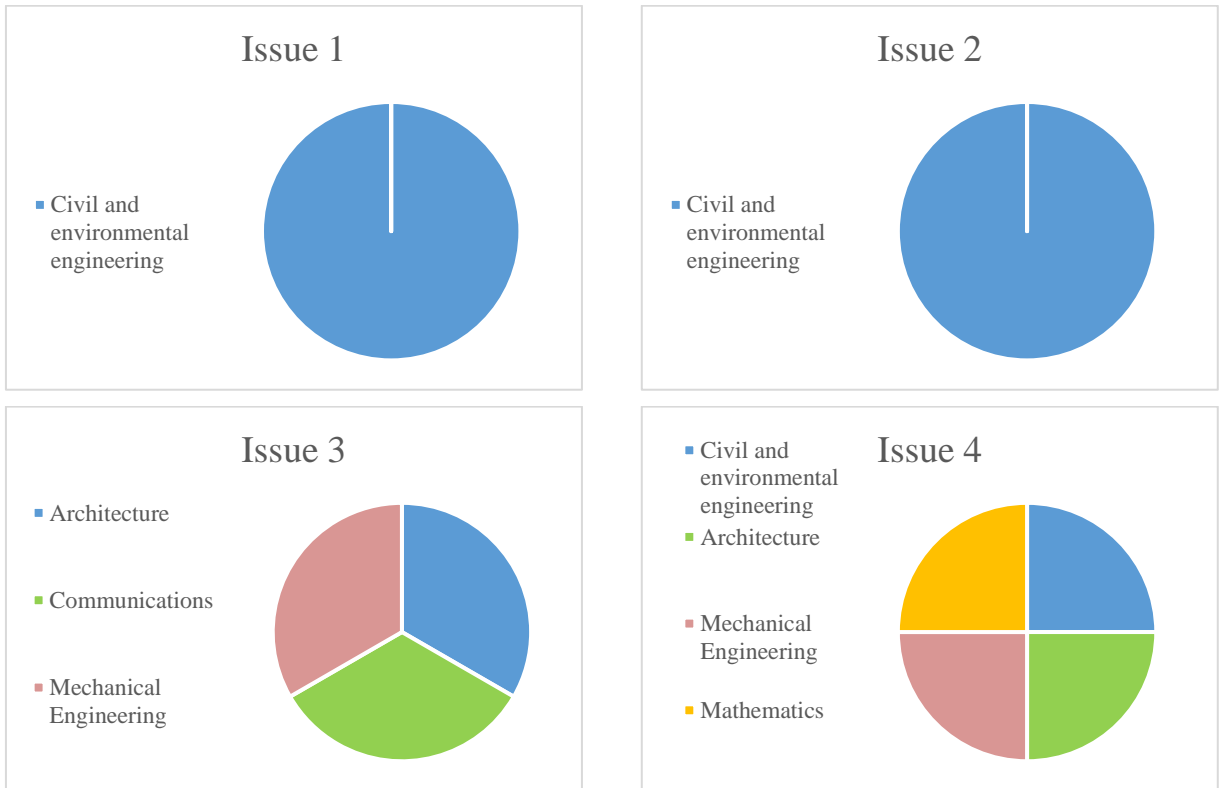
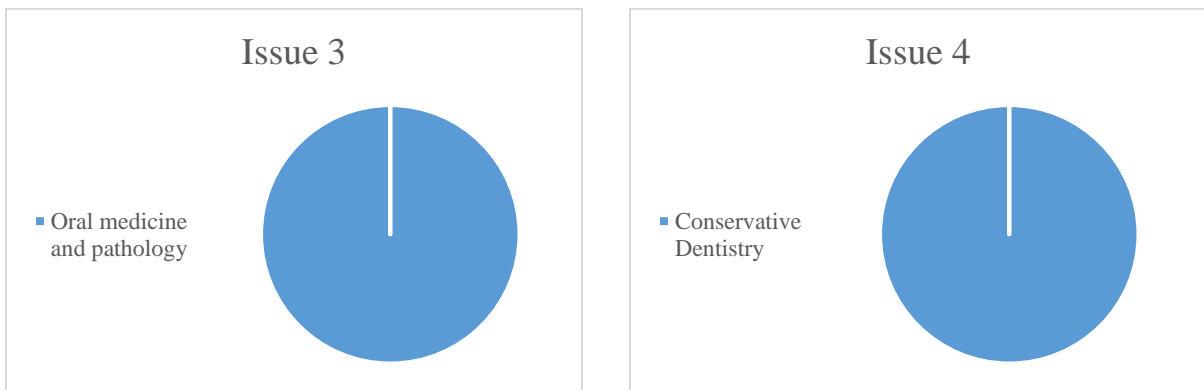


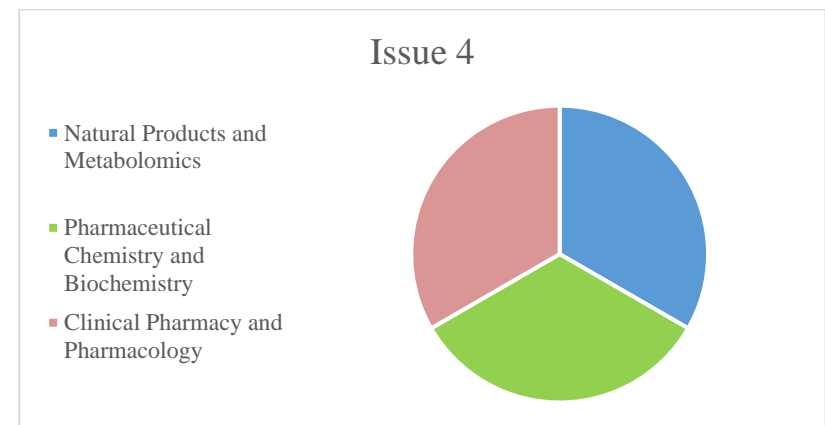
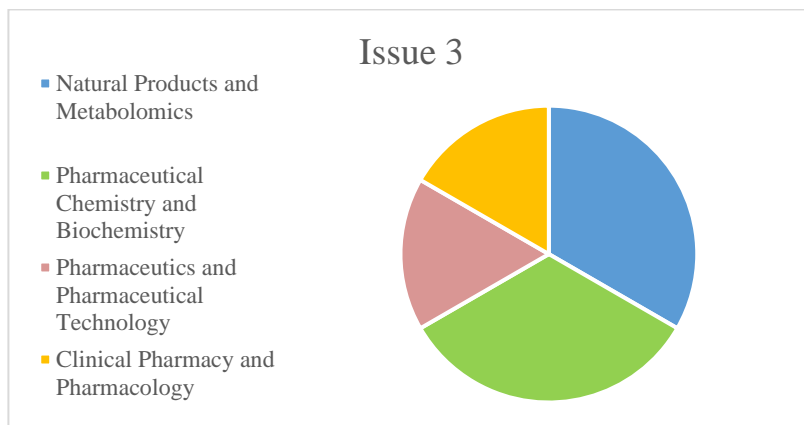
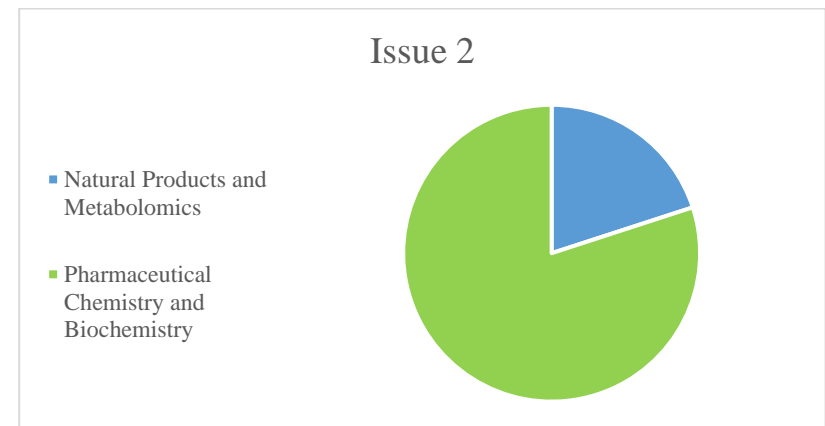
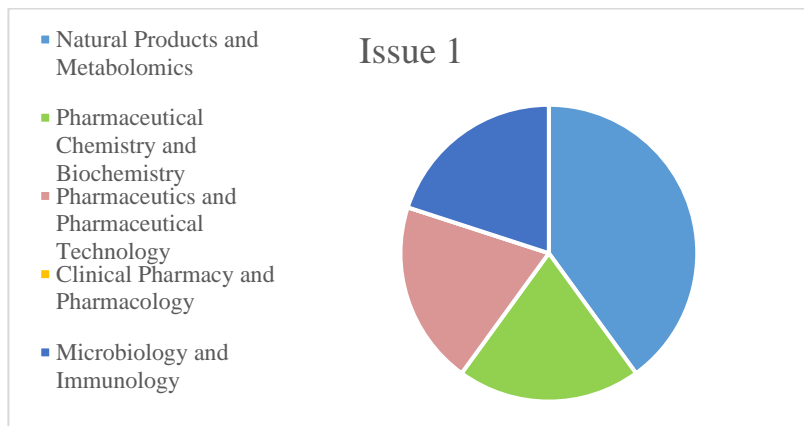
Figure 2: Distribution of Published Articles in ERURJ Volume 2 2023 A) Type of Articles, B) Disciplines of Articles.



**Figure 3: Distribution of Published Articles in ERURJ Volume 2 2023 Engineering Discipline**

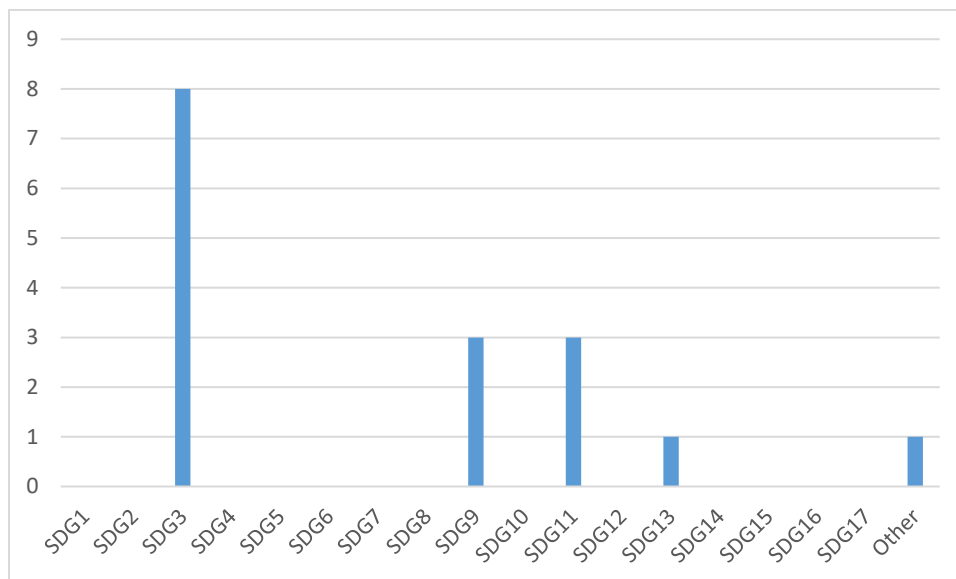


**Figure 4: Distribution of Published Articles in ERURJ Volume 2 2023 Dentistry Discipline**



**Figure 5: Distribution of Published Articles in ERURJ Volume 2 2023 Pharmacy Discipline**

Upon analyzing the papers published in the fifth issue of ERURJ it is noticed that the twelve published articles were linked to the different sustainable goals (SDGs) of the United Nation’s 2030 Agenda as shown in Figure 6.



**Figure 61: Articles Published in ERURJ October2023 issue and their relation to SDGs**

It is noteworthy that eight articles were linked to the third goal “Good Health and Well-Being” where two articles by Basheer et al (1) and Eltaher and Mansour (2) portrayed the phytochemical and biological diversity of the *Pimpinella anisum* and two *Acacia* species, respectively. The article by Mohamed and Abd-Allah (3) figured out the role of microRNAs as diagnostic biomarkers for rheumatoid arthritis an autoimmune disease with a prevalence of 0.29% of the Egyptian population and 1% all over the globe (3). Regarding research articles, the study by Ramadan et al (4) investigated the potential of blueberry extract on mitigation of aluminum chloride-induced Alzheimer's disease (AD) in a rat model where AD is a global chronic neuro-disorder disease categorized by the lack of cognition and memory (4). Besides, the work by Alkabbani et al (5) revealed the anti inflammatory activity of vildagliptin on paw edema in a rat model

Furthermore, the review by El-Abassy et al (6) summarized several analytical techniques for analysis of atenolol alone or in combination with other antihypertensive drugs in different matrices. Also, the article by Zaky et al (7) portrayed out the impact of surface design and coating on the efficacy of nano-carriers as drug delivery systems where loading of drugs within nano carriers could improve the solubility of poorly-soluble drugs, prevent degradation through

enzymes of GIT and enhance the passage crosswise the gel mucus layer and absorption membrane. Concerning preoperative tools of multiple dental purposes, the articles Atallah (8) figured out endodontic management of two multi-rooted mandibular premolars whereas the article by Abdel Hakim (9) portrayed separated instrument retrieval using ultrasonic vibration and the braiding technique.

Regarding the ninth goal “Industry, Innovation and Infrastructure” and the eleventh “Sustainable Cities and Communities”, they were linked to three articles where the article published by Ibrahim et al (10) revealed a new prospective for cement production through microorganism in a biotechnological way. Since bio-cement production is an eco-friendly and a sustainable way, this article also is linked to the thirteenth goal “Climate Action”. The article by Farag et al (11) sought to examine the notion of resilience from an urban standpoint, specifically at the city level analyzing the resilience framework, objectives, and indicators of the city, as these can serve as instrumental means to accomplish goals and advance development initiatives. In addition the article by Roman et al (12) revealed sliding-mode utilization of variable-speed pump for controlling horizontal coupled-tank systems for fluids in many chemical and food industries.

As for the article Ramadan and Haggag, it focused on optimal control models of Einstein’s field equation where four examples were reviewed for problems in relativistic astrophysics and cosmology.

Accordingly, this issue exhibited articles representing four SDGs out of the seventeen goal. The editors are seeking several contributions for representation of more SDGs-linked publications in ERURJ.

*Prof. Dr. Sherif Fakhry Mohamed Abdelnaby*

*Editor-in-Chief*

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