

## Editorial for Advancement in the Vicinity of Applied Science

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### Editorial Note

Advancement in the vicinity of Applied Science is incessant and the Journal Advances in Applied Science Research inculcates a plethora of innovative ideas carried out by the Research scholars. Advances in Applied Science Research, is an Open Access Journal that is a leading source for peer-reviewed articles offers the latest information on Agricultural Sciences to Nuclear Engineering. In addition to the regular issue releasing on a quarterly basis, this transdisciplinary journal is also releasing special issues periodically, thus meticulously covering a wide range of topics and emerging challenges on all related disciplines of Applied Science such as Agricultural, Aerospace, Computer Science, Nuclear Sciences, to name a few. In this issue some of the impactful research articles that were published by the journal will be discussed.

Female breast cancer treatment involves a surgical intervention to remove the cancerogenous tissue followed often by a radiation therapy; formerly known as high dose rate brachytherapy. But the Electromagnetic tracking (EMT) in high dose rate Brachytherapy has to face a number of signal processing challenges. Goetz Thl et al. [1] proposed a coherent signal processing chain which encompasses a particle filter tracking of the state space trajectory of the sensors inside catheters implanted surgically into the breast of female patient.

Muhammad AZ et al. [2] described about the notorious TORCH infections during pregnancy prevailing in Pakistan. The detection can be done by the presence of IgM antibodies which concludes primary or recurrent infection. The authors emphasised on the fact that the TORCH infections require serious attention as these

infections cause serious abnormalities and anomalies in children as well as to pregnant females.

Oxidative stress is a pathology that is found in 40-50% of all infertile males. Zeqiraj A et al. [3] discussed about the production of peroxides exceeding the antioxidant protection of the organism and ultimately resulting in damage to the sperm. The authors therefore recommended to delve into the assessment of the levels of oxidative stress in men's ejaculation in determining the infertility status and further studies into this new technique.

The Journal provides a swift and bias free editorial publishing system that will encourage the authors and readers to access and disseminate knowledge for the betterment of the scientific society.

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- 2 Mohammad ZA, Jamal SF, Mir A, Ali AK, Ullah A (2018) Frequency of Torch Infections during Pregnancy in Peshawar, Pakistan. Adv Appl Sci Res 9: 22-26.
- 3 Zeqiraj A, Beadini S, Beadini N, Gashi Z, Bexheti S, et al. (2018) Oxidative stress and male infertility in the region of Peja in Republic of Kosovo. Adv Appl Sci Res 9: 27-31.