

# Table of Contents

**Volume 11    Number 1**

**February 2022**

## **Dosimetric Effects of a Commercial Breast Board Patient Support System**

E. Schodowski, A. Wilkinson, S. Khuder, D. Pearson.....1

## **Dosimetric Effects of Thermoplastic Immobilizing Devices on Surface Dose**

O. Adu-Poku, E. K. Addison, C. Schandorf, F. Hasford, S. Inkoom,

J. Adom, A. Kingsley, E. Arthur, L. Owusu-Agyapong.....12

## **Application of Statistical Process Control for Setting Action Thresholds as Quality Assurance of Dose Verifications in External Beam Radiotherapy**

P. K. Ndonge, S. N.A. Tagoe.....22

## **Empirical Formalism for the Phantom Scatter Factor of Small Fields: Using Different Density Media**

S. J. Al Atawneh.....36

## **Mass Stopping Power and Range of Protons in Biological Human Body Tissues (Ovary, Lung and Breast)**

A. S. Almutairi, K. T. Osman.....48

## **Quality Assurance in SPECT/CT for Radionuclide Therapy with Lutetium-177**

O. Adu-Poku, E. K. Addison, B. Kwakye-Awuah, S. Inkoom, F. Hasford, C. Ahadzie, J. Adom, I. K. Wilson.....60

## **Computational and Experimental Approaches for Evaluating Dose under a Block in TBI Geometry**

L. Russell, J. Sillanpaa.....77

## **A Statistical Index for Evaluating the CTV Coverage Loss of Brain Stereotactic Radiosurgery When the PTV Margin Is Zero**

J. Chang.....84