

## ***INDICE DEI CONTRIBUTI***

Proton beams by metal targets <i>L. Velardi et al.</i>	1
Nanoparticles: Production, Characterization and Applications <i>L. Torrisi et al.</i>	8
Silver-doped titania nanoparticles: synthesis and characterization <i>G.G. Carbone et al.</i>	20
The active diamond target of the PADME experiment <i>F. Oliva on behalf of the PADME collaboration</i>	25
Study of $n$ -photon emission processes in nanodiamond photocathodes <i>L. Velardi et al.</i>	31
Dosimetrical evaluation of rotation errors in the patient set-up in lung SBRT treatments <i>A. Baglivi et al.</i>	40
Effects of physical stresses on radish seed germination and growth <i>V. Nassisi et al.</i>	50
Performance of Delta <sup>4</sup> Phantom+ using Flattening-Filter and Flattening Filter-Free beams <i>C. Capomolla et al.</i>	59
Multi-probe analysis for the definition of chemical and physical properties of the medieval frescoes of <i>Santa Maria di Cerrate</i> <i>G. Vasco et al.</i>	67
XRD analysis of patinas on the monument dedicated to Saint Oronzo, Lecce <i>G. Buccolieri et al.</i>	72
Complex Acetabular Prosthetic Revisions. Comparison of modern materials in treatment strategies <i>G. Rollo et al.</i>	78
Voluntary reporting of errors in radiotherapy. Errors collection in radiotherapy <i>M. Portaluri et al.</i>	84

NOPAL: Natural Origin Protective for Artistic buildings in Lecce stone. Preliminary results. <i>D. Fico et al.</i>	89
RBS analysis of titanium dioxide films deposited with the sol-gel spin coating technique <i>L. Scrimieri et al.</i>	97
Deposition and doping of TiO <sub>2</sub> films by laser ion source <i>L. Velardi et al.</i>	104
Study of biological effects by ultra-soft X rays on V79 cell line: preliminary results <i>G. Caioni et al.</i>	111
Artificial Neural Networks (ANN) for automatic detection of dendritic-shaped cancer cells of cutaneous melanoma in Reflectance Confocal Microscopy (RCM) images <i>G. De Nunzio et al.</i>	118
Effects of static and time-varying magnetic field exposure on bioluminescence pattern in <i>Vibrio jasicida</i> <i>V. Nassisi et al.</i>	126
Effects of physical stresses on zebrafish samples <i>V. Nassisi et al.</i>	137
Modelli biofisici in silico per la predizione di inibitori enzimatici in modelli batterici <i>M. Calcagnile et al.</i>	146
Analysis of the Radish Seed Germination and Growth by Radiofrequency Stresses <i>V. Nassisi et al.</i>	157
Indice autori	168