Abstract Title: APPLICATION OF TAUNIT CARBON NANOTUBE IN GALVANOTECHNICS

LITOVKA YURI VLADIMIROVICH[1], DYAKOV IGOR ALEKSEEVICH[2], NASRAOUI MARIEM[3]

[1] *Tambov State Technical University, RU*
[2]*Tambov State Technical University, RU*
[3]*Tambov State Technical University, RU*

Abstract
The creation of electrochemical metal and anodic oxide coatings with improved performance properties is one of the important directions in the development of electroplating. One of the rapidly developing ways to improve the characteristics of coatings is the use of nanomaterials in electrolyte compositions. Electrolytes are injected with nanoparticles, which are coprecipitated together with the coating metal and improve the required properties. At present, a wide range of nanomaterials is being produced - oxides, carbides and nitrides, metals and alloys, carbon materials that can be used in electroplating processes.

Keywords— anodic, carbides, carbon, coatings, electrochemical, electrolyte, electroplating, nanomaterials, nitrides, oxides.

Professional Biography
NASRAOUI Mariem, License Degree in Industrial chemistry from INSAT [1] , Master Degree in Electrochemistry-Nanochemistry from TSU [2], PhD student "Automated control of galvanic processes" in TSTU [3].



Email Id: nasraoui.mariem@gmail.com

[1] National Institute of Applied Sciences and Technologies, Tunisia
[2] Tambov State University Tambov, Russia.
[3]Tambov State Technical University Tambov, Russia.