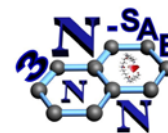


Referat

Scoatere la concurs a unui post de CS-III cercetare stiintifica

- A. Denumirea postului: Cercetator stiintific III, CS-III**
- B. Durata angajarii: determinata (2017-2019)**
- C. Surse de finantare: proiectele de cercetare 2017-2019 (PED-73)**
- D. Conditii de participare**
- Eliminatoriu-Candidatul trebuie sa aiba 1) titlul de doctor in stiinte exacte (fizica interdisciplinar cu biofizica , chimie); 2) activitate de cercetare-dezvoltare in specialitate sau in invatamantul superior de cel putin 6**
 - Experienta minim 5 ani in:1) convertori/stocatori de energie: supercapacitori, baterii, pile de combustie, 2) materiale carbonice nanometrice (grafene, nanotuburi), 3) senzori pe structuri polimeri semiconductori , 4) prelucari CNC- laser, interactia materialelor 5) proiectare asistat pe calculator
- E. Tematica**
- Elaborarea si realizarea de pile de combustie, senzori/ chemosenzori
 - Prelucrarea materialelor polimere – CNC-laser
 - Metode de sinteza a nanomaterialelor
- F. Probe concurs**
- 1) Proba scrisa; 2) Proba practica: verificare cunostinte si abilitati lucru cu masini CNC-Laser, proiectare , sinteza materiale, caracterizare AFM, FTIR, Raman
- G. Fisa postului: 1)Dezvolta/ aplica metode experimentale specifice proiectelor de cercetare, 2) Elaboreaza modele si prototipuri experimentale, 3) Elaboreaza modele teoretice si experimentale 4)Participa la activitatile proiectelor de cercetare, 5) Redacteaza , elaboreaza rapoarte de cercetare, manuscrite publicatii**
- H. Criteriile, de concurs (<http://fizica.unibuc.ro/Fizica/Concursuri/Docs/RegConcFFB.pdf>, pag 10-12, anexa II)**



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13. Gardiner, D.J. *Practical Raman spectroscopy*. Springer-Verlag. ISBN 978-0-387-50254-0., (1989)