



**UNIVERSITATEA TEHNICĂ DIN CLUJ-NAPOCA**  
**Facultatea: Ingineria Materialelor si a Mediului**  
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**Tel:0264 401 621, Fax:0264 415 054,**

Nr. 336 / 25.06.2021

## **AVIZ**

Comisia de analiză a dosarelor candidaților înscriși la concursurile didactice și de verificare a informațiilor din fișa de verificare a îndeplinirii standardelor UTC-N din cadrul Facultății de Ingineria Materialelor și a Mediului, numită prin Decizia nr. 361/ 25.05.2021 a Rectoratului UTC-N, a analizat dosarul candidatului **VERMESAN HORATIU** pentru postul de **Profesor Universitar, poziția 3**, la Departamentul de Ingineria Mediului și Antreprenoriatul Dezvoltării Durabile și a constatat îndeplinirea standardelor minime CNATDCU, în conformitate cu ”Metodologia de concurs pentru ocuparea posturilor didactice și de cercetare vacante din Universitatea Tehnică din Cluj-Napoca”.

Comisia de analiză:

1. Prof.dr.fiz. Ioan Ardelean – Presedinte
2. Prof.dr.ing. Ovidiu Nemes – membru
3. Prof.dr.ing. Cătălin Ovidiu Popa - membru

# MONITORUL OFICIAL AL ROMÂNIEI, Partea I, Nr. 123 bis din 15.02.2017

**Nume:** Vermesan

**Prenume:** Horatiu

**Grad didactic:** Conferențiar universitar

**Concurs pentru:** Profesor universitar

Anexa nr. 18. - COMISIA DE INGINERIA MEDIULUI  
O.M. 6129/2016 publicat în M.O., Partea I, Nr. 123 bis din 15.02.2017

## STANDARDE MINIMALE NECESARE ȘI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL SUPERIOR ȘI A GRADELOR PROFESIONALE DE CERCETARE - DEZVOLTARE

### Se definesc:

**NT** = număr total de articole în reviste ISI

**FIC** = factor de impact cumulat (suma factorilor de impact al revistelor la momentul susținerii publice a tezei de doctorat sau la momentul înscrierii la concursul pentru ocuparea unei poziții didactice)

**NP** = număr articole în reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondență)

**NC** = număr total de citări din baza SCOPUS sau ISI Web of Science, excluzându-se autocitările

### Concurs de Profesor / CS I

Standarde minimale (cumulative):

|                     | Minimal | Realizat | Criteriu indeplinit | Procent realizare |
|---------------------|---------|----------|---------------------|-------------------|
| a) NT               | ≥ 25    | 30       | DA                  | 120.00%           |
| b) NP               | ≥ 10    | 13       | DA                  | 130.00%           |
| NP cu IF > 1        | 6       | 10       | DA                  | 166.67%           |
| c) FIC <sup>1</sup> | ≥ 20    | 40.01    | DA                  | 200.06%           |
| d) NC               | ≥ 100   | 223      | DA                  | 223.00%           |

<sup>1</sup> În acest caz în calculul FIC se ține cont de factorul de impact la momentul înscrierii la concursul pentru ocuparea unei poziții didactice. Brevetele naționale (FI = 1) și Brevetele internaționale (FI = 3) intră în calculul FIC de la punctul c)





|                |     |
|----------------|-----|
| Citări ISI =   | 169 |
| Citări BDI =   | 52  |
| Citări Carti = | 1   |
| Total Citări = | 223 |
| Total Citări = | 223 |
| Scopus/WeS =   | 126 |
| Scopus =       | 66  |
| WeS =          | 31  |

## 1 - Articole în reviste ISI Thomson Reuters citate ISI și BDI

| Nr. Cit. | Articol citat / Articol care citează                                                                                                                                                                                                                                                                                                                                                                   | Tip citare | Baza de date în care apare |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------------------|
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|          | 1 Vaynsk, Petr. Bica, Petr. Zimakov, Jose et al. In-Situ AFM observations of the effect of addition of glass fibers and liponates on performance of the negative active mass of a lead-acid storage battery, <i>JOURNAL OF ENERGY STORAGE</i> Volume: 29 Article Number: 101318 Published: JUN 2020 DOI: 10.1016/j.est.2020.101318                                                                     | ISI        | WeS                        |
|          | 2 Li X., Zhang, P., He, Y., Huang, H., Guo, Z., Research Progress in Negative Additives for Lead-acid Batteries, <i>Cellulose and Carbohydrate Chemistry Reports</i> Volume 34, Issue 3, 10 March 2020, Pages 05039-05047, DOI: 10.11896/cldb.19010081                                                                                                                                                 | BDI        | Scopus                     |
|          | 3 Zimakov, J., Buda, P., Bouška, M. In Situ EC-AFM Observation of BaSO <sub>4</sub> and Glass Fibers Effect on Lead-Acid Battery, <i>ECS Transactions</i> , Volume 95, Issue 1, 2019, Pages 235-242, 20th International Conference on Advanced Batteries, Accumulators and Fuel Cells, ABAC 2019, Brno, Czech Republic, 25 August 2019 through 28 August 2019, Code 157684, DOI: 10.1149/09501.0235est | BDI        | Scopus                     |
|          | 4 Xiaobo Duan, Ming Song, Lei Zhang, Lianti Wang, Ding Zhuo, Yungui Chen, Hydroxylated carbon black as improved deposition support for discharge products in lithium air(O <sub>2</sub> )/batteries, <i>NEW JOURNAL OF CHEMISTRY</i> , Volume: 41 Issue: 21 Pages: 12789-12794, DOI: 10.1039/c7nj02824, 2017                                                                                           | ISI        | Scopus/WeS                 |
|          | 5 Yuan, XQ; Hu, JP; Xu, JY; Hu, YC; Zhang, W; Dong, JX; Liang, S; Hou, H; Wu, X; Yang, JK, The effect of barium sulfate-doped lead oxide as a positive active material on the performance of lead acid batteries, <i>BSC ADVANCES</i> , Volume: 6 Issue: 32 Pag: 27205-27212, DOI: 10.1039/c6ra01873d, 2016                                                                                            | ISI        | Scopus/WeS                 |
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|          | 9 Knorr K.W., Christopher Eng, Chen-Wegart K.Y., Wang J., West A.C., In Situ Transmission X-Ray Microscopy of the Lead Sulfate Film Formation on Lead in Sulfuric Acid, <i>Journal of The Electrochemical Society</i> , Vol. 162, issue 3, A235-A261, DOI: 10.1149/2.014150jes, 2015.                                                                                                                  | ISI        | Scopus/WeS                 |
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|          | 11 Jing-Liang M., Wang Dian-Long, Chen Fei, Synthesis and Characterization of Lead Sulfate/Graphene Nano Sheets Composites as Anode Materials for Lead Acid Battery, <i>Chinese Journal of Inorganic Chemistry</i> , Vol. 29, Issue 9, pp. 1935-1941, 2013.                                                                                                                                            | ISI        | Scopus/WeS                 |
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|          | 13 Hamada C., Brousseau T., Bégin D., Effect of Ball-Milling on the Physical and Electrochemical Properties of PbO <sub>2</sub> and PbO <sub>2</sub> /BaSO <sub>4</sub> Nanocomposite, <i>Journal of The Electrochemical Society</i> , Vol. 159, issue 1, A60-A67, doi: 10.1149/2.067200jes, 2012.                                                                                                     | ISI        | Scopus/WeS                 |
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