

**UNIVERSITATEA „POLITEHNICA” BUCUREȘTI
FACULTATEA DE INGINERIE CHIMICA SI BIOTEHNOLOGII
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Metodologie de elaborare a modelelor cinetice complexe, structurate pe mai multe niveluri de detaliere (hibride), folosite in calcule de inginerie (bio)chimica privind optimizarea unor reactoare industriale biochimice sau biologice

Methodology for elaborating complex kinetic models, structured on several levels of detail (hybrids), used in (bio)chemical engineering calculations regarding the optimization of some biochemical or biological industrial reactors

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LISTĂ DE LUCRĂRI

IF= factorul de impact al revistei (UEFISCDI)

SRI= scorul relativ de influență al revistei (UEFISCDI)

No.	articol	IF	SRI
1	Maria, G., Renea, L. , Peptănar, I.M., Maria, C. In-silico optimization of a bi-enzymatic batch reactor for mannitol production with continuous regeneration of nadh cofactor, <i>Revue Roumaine de Chimie</i> , 2021, IF= 0.4, accepted .	0.4	0.189
2	Renea, L., Maria, G., Gijiu, L.C., Maria, C., A multi-objective optimization of the bi-enzymatic batch reactor used for mannitol production, <i>Buletin Inst. Politechn. Bucharest (Ser. Chimie)</i> 84(1), 31-44 (2022). http://www.scientificbulletin.upb.ro/ . ISSN= 1454-2331.	0	0
3	Maria, G., Renea, L., Tryptophan production maximization in a fed-batch bioreactor with modified <i>E. coli</i> cells, by optimizing its operating policy based on an extended structured cell kinetic model, <i>MDPI Bioengineering-Basel</i> , vol. 8, no. 12, 210-247, 2021, IF = 6.1, SRI= 1.241(MDPI Appl. Sciences Basel), ISBN= 2073-4409, https://doi.org/10.3390/bioengineering8120210	6.1	1.241
4	Maria, G., Maria, C., Renea, L., Application of (bio-)chemical engineering concepts and rules in Bioinformatics. Review of a CCM-based modular and hybrid kinetic model used to simulate and optimize a bioreactor with genetically modified cells, <i>Current Trends in Biomedical Engineering & Biosciences</i> , (Juniper publ, Irvine CA, USA), 20(3): 556039, 2022, IF= 1.126, Scopus, Googlescholar, ISSN: 2572-1151. DOI: 10.19080/CTBEB.2022.20.556039	1.12	0

PARTICIPĂRI LA MANIFESTĂRI ȘTIINȚIFICE