

Universitatea Politehnica Timișoara
Facultatea de Chimie Industrială și Ingineria Mediului
Departamentul de Chimie Aplicată și Ingineria Compușilor Anorganici și a Mediului – CAICAM

COMISIA: INGINERIE CHIMICĂ, INGINERIE MEDICALĂ, ȘTIINȚA MATERIALELOR ȘI NANOMATERIALE
(conform OMECTS 6560 / 20.12.2012, Anexa nr. 8)

FIȘA DE ÎNDEPLINIRE A STANDARDELOR MINIMALE – SINTEZĂ

Candidat: Conf. dr. ing. Andrea Rozalia Kellenberger

Standarde minimale necesare și obligatorii pentru conferirea titlului de profesor (conform OMECTS 6560 / 20.12.2012, Anexa nr. 8)	Necesar	Realizat	Standard îndeplinit / neîndeplinit
NT = număr total de articole în reviste ISI	$NT \geq 25$	NT = 29	îndeplinit
NP = număr articole în reviste ISI la care candidatul este autor principal*	$NP \geq 12$	NP = 13	îndeplinit
FIC = factor de impact cumulat**	$FIC \geq 16$	FIC = 40	îndeplinit
NC = număr total de citări (din baza SCOPUS)	$NC \geq 40$	NC = 313	îndeplinit

* autor principal = prim autor sau autor de corespondență

** suma factorilor de impact a revistelor în care candidatul a publicat un articol ca autor principal și factorul de impact împărțit la numărul de autori pentru revistele în care candidatul a publicat un articol în care nu este autor principal.

FIȘA DE ÎNDEPLINIRE A STANDARDELOR MINIMALE – DETALIU

Standarde minimale necesare și obligatorii pentru conferirea titlului de profesor	NT ≥ 25	NP ≥ 12	FIC ≥ 16	NC ≥ 40
Punctaj realizat de candidat	NT 29	NP 13	FIC 40	NC 313
1. R. Banica, D. Ursu, T. Nyari, A. Kellenberger* , Polyol synthesis of silver nanowires in the presence of silver chloride, <i>Journal of Optoelectronics and Advanced Materials</i> , 19 (2017) 266-271.	1	DA	0.383	0
2. R. Banica, D. Ursu, T. Nyari, A. Kellenberger* , Two step polyol-solvothermal growth of thick silver nanowires, <i>Materials Letters</i> , 194 (2017) 181-184.	2	DA	2.437	0
3. A.F. Enache, M.L. Dan, A. Kellenberger , N. Vaszilcsin, Anodic oxidation of sulphite in alkaline aqueous solution on graphite electrode, <i>Bulgarian Chemical Communications</i> (2017) accepted.	3	-	0.229 / 4	0
4. R. Banica, D. Ursu, P. Svera, C. Sarvas, S.F. Rus, S. Novaconi, A. Kellenberger , A.V. Racu, T. Nyari, N. Vaszilcsin, Electrical properties optimization of silver nanowires supported on polyethylene terephthalate, <i>Particulate Science & Technology</i> , 34 (2016) 217-222	4	-	0.707 / 10	1
5. M. Țară Lungă Mihali, N. Plesu, A. Kellenberger , G. Ilia, Adsorption of an Azo dye on polyaniline/niobium substrate, <i>International Journal of Electrochemical Science</i> 10 (2015) 7643-7659.	5	-	1.692 / 4	0
6. A. Kellenberger* , D. Ambros, N. Plesu, Scan rate dependent morphology of polyaniline films electrochemically deposited on nickel, <i>International Journal of Electrochemical Science</i> 9 (2014) 6821-6833.	6	DA	1.692	3
7. R. Cretu, A. Kellenberger , M. Medeleanu, N. Vaszilcsin, Cathodic Hydrogen Evolution Reaction on Gold Catalyzed by Proton-Carriers, <i>International Journal of Electrochemical Science</i> 9 (2014) 4465-4477.	7	-	1.692 / 4	1
8. R. Cretu, A. Kellenberger , N. Vaszilcsin, Enhancement of hydrogen evolution reaction on platinum cathode by proton carriers, <i>International Journal of Hydrogen Energy</i> 38 (2013) 11685-11694.	8	-	3.205 / 3	14
9. N. Plesu, A. Kellenberger* , I. Taranu, B.O. Taranu, I. Popa, Impedimetric detection of dopamine on poly (3-aminophenyl boronic acid) modified skeleton nickel electrodes, <i>Reactive & Functional Polymers</i> 73 (2013) 772-778	9	DA	2.725	15
10. A. Kellenberger* , N. Plesu, M. Tara Lunga Mihali, N. Vaszilcsin, Synthesis of polyaniline nanostructures by electrochemical deposition on niobium, <i>Polymer</i> 54 (2013) 3166-3174.	10	DA	3.586	12

11. M. Bobină, A. Kellenberger , J.-P.Millet, C.Muntean, N.Vaszilcsin, Corrosion resistance of carbon steel in weak acid solutions in the presence of L-histidine as corrosion inhibitor, <i>Corrosion Science</i> 69 (2013) 389-395.	11	-	5.154 / 5	60
12. C.C. Vaduva, N. Vaszilcsin, A. Kellenberger , Aromatic amines as proton carriers for catalytic enhancement of hydrogen evolution reaction on copper in acid solutions, <i>International Journal of Hydrogen Energy</i> 37 (2012) 12089-12096.	12	-	3.205 / 3	5
13. C.C. Vaduva, N. Vaszilcsin, A. Kellenberger , M. Medeleanu, Inhibition effect of some aromatic amines on copper electrodeposition from acidic baths, <i>Journal of Applied Electrochemistry</i> 42 (2012) 217-224.	13	-	2.223 / 4	3
14. A. Kellenberger* , E. Dmitrieva, L. Dunsch, Structure dependence of charged states in "linear" polyaniline as studied by in situ ATR-FTIR spectroelectrochemistry, <i>Journal of Physical Chemistry B</i> 116 (2012) 4377-4385.	14	DA	3.187	21
15. C.C. Vaduva, N. Vaszilcsin, A. Kellenberger , M. Medeleanu, Catalytic enhancement of hydrogen evolution reaction on copper in the presence of benzylamine, <i>International Journal of Hydrogen Energy</i> 36 (2011) 6994-7001.	15	-	3.205 / 4	24
16. A. Kellenberger* , E. Dmitrieva, L. Dunsch, The stabilization of charged states at phenazine-like units in polyaniline under p-doping. An in situ ATR-FTIR spectroelectrochemical study, <i>Physical Chemistry Chemical Physics</i> 13 (2011) 3411-3420.	16	DA	4.449	24
17. M. Dan, V. Pralong, N. Vaszilcsin, A. Kellenberger , N. Duteanu, Electrochemical behavior of YBaCo ₄ O ₇ in alkaline aqueous solution, <i>Journal of Solid State Electrochemistry</i> 15 (2011) 1227-1233.	17	-	2.327 / 5	1
18. M.L. Dan, N. Vaszilcsin, A. Kellenberger , N. Duteanu, Electrochemical behaviour of YBaCo ₄ O ₇ in neutral aqueous solution, <i>Studia Universitatis Babeş Bolyai, Chemia</i> 56 (2011) 119-127.	18	-	0.148 / 4	0
19. N. Plesu, A. Kellenberger* , M. Mihali, N. Vaszilcsin, Effect of temperature on the electrochemical synthesis and properties of polyaniline films, <i>Journal of Non-Crystalline Solids</i> 356 (2010) 1081-1088.	19	DA	1.825	24
20. L.F. Chazaro-Ruiz, A. Kellenberger , L. Dunsch, In situ ESR-UV-Vis-NIR and ATR-FTIR spectroelectrochemical studies on the p-doping of copolymers of 3-methylthiophene and 3-hexylthiophene, <i>Journal of Physical Chemistry B</i> 113 (2009) 2310-2316.	20	-	3.187 / 3	16
21. L.F. Chazaro-Ruiz, A. Kellenberger , E. Jähne, H.J. Adler, T. Khandelwal, L. Dunsch, In situ ESR-UV-Vis-NIR spectroelectrochemical study of the p-doping of poly[2-(3-thienyl)ethyl acetate] and its hydrolyzed derivatives, <i>Physical Chemistry Chemical Physics</i> 11 (2009) 6505-6513.	21	-	4.449 / 6	1

22. A. Kellenberger* , E. Jähne, H.J. Adler, T. Khandelwal, L. Dunsch, In situ FTIR spectroelectrochemistry of poly[2-(3-thienyl)ethyl acetate] and its hydrolyzed derivatives, <i>Electrochimica Acta</i> 53 (2008) 7054-7060.	22	DA	4.803	3
23. A. Kellenberger* , N. Vaszilcsin, N. Duteanu, M.L. Dan, W. Brandl, Structure, morphology and electrochemical properties of high surface area copper electrodes obtained by thermal spraying techniques, <i>Studia Universitatis Babeş Bolyai, Chemia</i> 53 (2008) 89-96.	23	DA	0.148	0
24. N. Duteanu, A. Kellenberger , N. Vaszilcsin, K. Scott, Studies on Sodium Borohydride Fuel Cells, <i>Revista de Chimie</i> 59 (2008) 1361-1365.	24	-	0.956 / 4	1
25. N. Duteanu, K. Scott, N. Vaszilcsin, A. Kellenberger , Increasing of the performances of direct methanol combustion fuel cells, <i>Revista de Chimie</i> 58 (2007) 1207-1211.	25	-	0.956 / 4	5
26. A. Kellenberger* , N. Vaszilcsin, W. Brandl, N. Duteanu, Kinetics of hydrogen evolution reaction on skeleton nickel and nickel-titanium electrodes obtained by thermal arc spraying technique, <i>International Journal of Hydrogen Energy</i> 32 (2007) 3258-3265.	26	DA	3.205	54
27. A. Kellenberger* , N. Vaszilcsin, W. Brandl, Roughness factor evaluation of thermal arc sprayed skeleton nickel electrode, <i>Journal of Solid State Electrochemistry</i> 11 (2007) 84-89.	27	DA	2.327	16
28. A. Kellenberger* , N. Vaszilcsin, Determinarea factorului de rugozitate al electrozilor pe bază de nichel scheletat prin voltametrie ciclică, <i>Revista de Chimie</i> 56 (2005) 712-715.	28	DA	0.956	5
29. N. Pleşu, A. Kellenberger , N. Vaszilcsin, I. Manovicu, Electrochemical Polymerisation of Aniline on Skeleton Nickel Electrode, <i>Molecular Crystals and Liquid Crystals</i> 416 (2004) 127-135.	29	-	0.532 / 4	4
TOTAL	29	13	40	313

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	Total	45	24	39	62	60	58	21	264	0	309
1	Two step polyol-solvothermal growth of thick silver nanowire...								0		0
2	Electrical properties optimization of silver nanowires suppo...							1	1		1
3	Adsorption of an Azo dye on polyaniline/niobium substrate								0		0
4	Cathodic hydrogen evolution reaction on gold catalyzed by pr...					1			1		1
5	Scan rate dependent morphology of polyaniline films electroc...					1	2		3		3
6	Enhancement of hydrogen evolution reaction on platinum catho...				1	4	5	4	14		14
7	Synthesis of polyaniline nanostructures by electrochemical d...				9	2	1		12		12
8	Impedimetric detection of dopamine on poly(3-aminophenylboro...				5	4	2	4	15		15
9	Corrosion resistance of carbon steel in weak acid solutions ...			2	13	23	15	7	60		60
10	Aromatic amines as proton carriers for catalytic enhancement...			2		1	2		5		5
11	Structure dependence of charged states in "linear" polyanili...		1	8	8	4			21		21

12 Inhibition effect of some aromatic amines on copper electro...	2012	1	2						3	3
13 Corrosion and sliding wear behavior of high velocity oxygen ...	2011								0	0
14 Electrochemical behaviour of YBaCo<inf>4</inf>O<inf>7</inf> ...	2011								0	0
15 Catalytic enhancement of hydrogen evolution reaction on copp...	2011	2	4	6	4	7	1		24	24
16 Electrochemical behaviour of YBaCo<inf>4</inf>O<inf>7</inf>...	2011	1							0	1
17 The stabilization of charged states at phenazine-like units ...	2011	3	4	6	4	4	3		21	24
18 Effect of temperature on the electrochemical synthesis and p...	2010	2	5	4	3	6	3	1	22	24
19 In situ ESR-UV-Vis-NIR spectroelectrochemical study of the p...	2009	1							1	1
20 In situ ESR/UV-vis-NIR and ATR-FTIR spectroelectrochemical s...	2009	7	2	1	2	1	3		9	16
21 Studies on sodium borohydride fuel cells	2008	1							0	1
22 In situ FTIR spectroelectrochemistry of poly[2-(3-thienyl)et...	2008	2					1		1	3
23 [Increasing of the performances of direct methanol combustio...	2007	5							0	5
24 Kinetics of hydrogen evolution reaction on skeleton nickel a...	2007	18	5	7	7	5	9	3	36	54
25 Roughness factor evaluation of thermal arc sprayed skeleton ...	2006	4	2	3	2		5		12	16
26 Determinarea factorului de rugozitate al electrozilor pe baz...	2005	2	1		2				3	5
1 Electrochemical polymerisation of aniline on skeleton nickel...	2004	1		3					3	4

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