Fişă de verificare a îndeplinirii standardelor minimale
Conf. univ. dr. Viorel Catană
Departamentul Matamatică-Informatică, Facultatea de Ştiinţe Aplicate, UPB

Nr. crt. articol	Articol, referință bibliografică	Publicat în ultimii 7 ani [2011-2017]	s_i	n_i	s_i / n_i
1.	V. Catană, Abelian and Tauberian results for the one-dimensional modified Stockwell transforms, Appl. Anal., 96, No.6, 1047-1057 (2017). WOS: 000396044700008	Da	0.915	1	0.915 maxim realizat in 2014
2.	V. Catană, The generalized twisted bi-Laplacian and its spectral properties, Complex Var. Elliptic Equ., 62, No.6, 814-824 (2017). WOS: 000396930300007	Da	0.740	1	0.740 maxim realizat in 2015
3.	V. Catană, Lp-boundedness of multilinear pseudo-differential operators on Zn and Tn, Math. Model. Nat. Phenom., 9, No.5, 17-38 (2014). WOS: 000342733000002	Da	0.958	1	0.958 maxim realizat in 2016
4.	V. Catană, Schatten-von Neumann norm inequalities for the two-wavelet localization operators associated with β-Stockwell transforn, Appl. Anal., 91, No.3, 503-515 (2012). WOS: 000301585900007	Da	0.915	1	0.915 maxim realizat in 2014
5.	V. Catană, The heat equation for the generalized Hermite and generalized Landau operators, Integral Equations Oper. Theory, 66, No.1,41-59 (2010). WOS: 0002744000700003		1.293	1	1.293 maxim realizat in 2017
6.	V. Catană, Essential spectra and semigroups of perturbations of M-hypoelliptic pseudo-differential operators on Lp(Rn), Complex Var. Elliptic. Equ., 54, No.8, 731-744 (2009). WOS: 000279110000002		0.740	1	0.740 maxim realizat in 2015
7.	V. Catană, M-hypoelliptic pseudo-differential operators on Lp(Rn), Appl. Anal., 87, No.6, 657-666 (2008).		0.915	1	0.915 maxim

	WOS: 000258004900003				realizat in 2014
8.	V. Catană, Two-wavelet localization operators on homogeneous spaces and their traces, Integral Equations Oper. Theory, 62, No.3, 351-363 (2008). WOS: 000260847900002		1.293	1	1.293 maxim realizat in 2017
9.	V. Catana, Z-operators related to a finite measure space, J. Pseudo-Diff. Oper. and Appl, Vol.9, Issue 2, 173-188 (2018) WOS: 000432842100002		0.709	1	0.709 maxim realizat in 2016
10.	V. Catana, Multilinear Stockwell transforms, Math. Modelling of Natural Phenomena, Vol. 13, No.4 (2018), published online, May 21 2018		0.958	1	0.958 maxim realizat in 2016
11.	V. Catana, S-operators related to a finite measure space, Apple. Anal., published online July 10. 2018		0.915	1	0.915 maxim realizat in 2014
Total :	S = 10,351		S-_recent = 3,528		

2. Citari in jurnale cu scorul relativ de influenţă (SRI) cel putin egal cu 0.5
Conf. univ. dr. Viorel Catană

Nr. crt.	Articol citat, referinta bibliografica	Revista si articolul in care a fost citat	S_i
1.	V. Catana, M-hypoelliptic pseudo-differential operators on Lp(Rn), Appl. Anal., 87, No. 6, 657-666 (2008); WOS: 000258004900003	M. Alimohammady,K. M. Koozehgar, Existence result for a class of semiliniar totally hypoelliptic equations with conical degeneration, J. Funct. Anal., 265, No. 10, 2331-2356 (2013) WOS: 000323802300007	2.683 maxim realizat in 2017
		M. Alimohammady,K. M. Koozehgar, Spectral theory of a hybrid class of pseudo-differential operators, Complex Var.Elliptic Equ., 59, 1573-1588 (2014) WOS: 000341818800001	0.740 maxim realizat in 2015
		M. K. Kalleji, Essential spectrum of M-hypoelliptic pseudo-differential operators on the torus, J. Pseudo-Differ. Oper. Appl., 6, No. 4, 439-459 (2015) WOS: 000365024000002	0.709 maxim realizat in 2016
		A. Jafari, M. Alimohammadi, Existence theorem and global solution for semilinear edge-degenerate hypoelliptic equations, J. Pseudo-Differ. Oper. Appl., Online First, (2017) WOS: 000432842100010	0.709 maxim realizat in 2016
2.	V. Catana, S. Molahajloo, M. W. Wong, Lp-boundedness of multilinear pseudo-differential operators, in Pseudo-Differential Operators: Complex Analysis and Partial Differential Equations, Operator Theory: Advances and Applications, 205, 2010, 167-180 (2010) Birkhäuser, Verlag Basel	S. Molahajloo, G. E. Phander, Boundedness of pseudo-differential operators on Lp Sobolev and modulation spaces, Math. Model. Nat. Phenom., 8, No. 1, 175-192 (2013) WOS: 000316935300013	0.958 maxim realizat in 2016
		S. Molahajloo, M. W. Wong, Hierarchical Weyl transforms and the heat semigroup of the hierarchical twisted Laplacian, J. Pseudo- Differ. Oper. Appl., 1, No. 1, 35-53 (2010). WOS: 000209055300003	0.709 maxim realizat in 2016
3.	V. Catana, The second abstract Cauchy problem and integrated	P. Górka,H. Prado,E. G. Rays, On a class of non local equations, Ann.	3.639 maxim realizat in

	semigroups generated by matrix pseudo-differential operators, Ann. Univ. Craiova Math. Comp. Sci. Ser., 30, 78-87 (2003)	Henri Poincaré, 14, No. 4, 947-966 (2013) WOS: 000317624200011	2017
4.	V. Catana, The heat equation for the generalized Hermite and generalized Landau operators, Integral Equations and Oper. Theory, 66, No. 1, 41-59 (2010); WOS: 000274400700003	X. Duan, Spectral theory of the Hermite operator on Lp(Rn), Math. Model. Nat. Phenom., 9, No. 5, 2014, 39-43 (2014) WOS: 000342733000003	0.958 maxim realizat in 2016
5.	V. Catana, The kernel and Green function of the generalized Hermite operator and the abstract Cauchy problem for the abstract Hermite operator, in Pseudo-differential Operators: Analysis, Applications and Computations, Operator Theory: Advances and Applications, 213, 155-171 (2011)	X. Duan, Spectral theory of Hermite operator on Lp(Rn), Math. Mode. Nat. Phenom., 9, No. 5, 2014, 39-43 (2014) WOS: 000342733000003	0.958 maxim realizat in 2016
6.	V. Catana, Products of two-wavelet multipliers and their traces, in Pseudo-Differential Operators: Complex Analysis and Partial Differential Equations, Opertator Theory: Advances and Applications, 205, 195-211 (2010), Birkhäuser, Verlag Basel	J. Li, M. W. Wong, Localization operators for Ridgelet transforms, Math. Model. Nat. Phenom., 9, No. 5, 194-203 (2014)	0.958 maxim realizat in 2016
7.	V. Catana, The generalized twisted bi-Laplacian and its spectral properties, Complex Var. Elliptic Equ., Vol.62, No. 6, 814-824, (2017) WOS: 000396930300007	W.- X. Li, A. Parmeggiani, Y.-L. Wang, Global Gevrey hypoellipticity for the twisted Laplacian on forms, J. Pseudo-Differ. Oper. Appl., Online First (2017) WOS: 000432842100001	0.709 maxim realizat in 2016
8.	V. Catană, Schatten- von Neumann norm inequalities for two-wavelet localization operators, In : Rodino, L., Schultze, B.-W., Wong, M. W., editors, Pseudo-Differential Operators : Partial Differential Equations and Time-Frequency Analysis, Fields Institute Communications, AMS, Vol. 52, 265-277 (2007)	Jiawei Li, M. W. Wong, Localization operators for curvelet transforms, J. Pseudo-Differ. Oper. Appl., 3, No. 2, 121-143 (2012) WOS: 000209056200001 _____ C. Baccar, N. B. Hamadi and H. Herch, Time-frequency analysis of localization operators associated to the windowed Hankel transform, Integral Transforms and Special	0.709 maxim realizat in 2016 _____ 0.558 maxim realizat in 2017

		Functions, 23, No.3, pp. 245-258 (2016) WOS: 000376168900006	
9.	V. Catană, Two-wavelet localization operators on homogeneous spaces and their traces, Integral Equations and Oper. Theory, 62, No. 3, 351-363 (2008) WOS: 000260847900002	O. D. Sajadi Rad, F. Esmaeelzadeh, R. A. Kamyabi Gol, On the operators related to C. W. T. on general homogeneous spaces, J. Pseudo-Differ. Oper. Appl., 8, No. 2, 203-212 (2017) WOS: 000401763400004	0.709 maxim realizat in 2016
		C. Baccar, N. B. Hamadi and H. Herch, Time-frequency analysis of localization operators associated to the windowed Hankel transform, Integral Transforms and Special Functions, 23, No.3, pp. 245-258 (2016) WOS: 000376168900006	0.558 maxim realizat in 2017
10.	V. Catană, Essential spectra and semigroups of perturbation of M- hypoelliptioc pseudo-differential operators on Lp(Rn), Complex Var. Elliptic Equ., 54, No. 8, 731-744 (2009) WOS: 000279110000002	M. K. Kalleji, Essential spectrum of M-hypoelliptic pseudo-differential operators on the torus, J. Pseudo-Differ. Oper. Appl., 6, No. 4, 439-459 (2015) WOS: 000365024000002	0.709 maxim realizat in 2016
11.	V. Catană, Abelian and Tauberian results for the one-dimensional Stockwell transforms, Appl. Anal., 96, No.6, 1047-1057 (2017) WOS: 000396044700008	KHV Snaeva, S Atanasova, J V Buralieva, Tauberian theorems for the Stockwell transform of Lizorkin distributions, Applicable Analysis, 2018, published online August 6, 2018	0.915 maxim realizat in 2014
12.	V. Catana, Schatten-von Neumann norm inequalities for two-wavelet localization operators associated with β-Stockwell transforms, Appl. Anal., 91, No.3, pp 503-51 (2012) WOS: 000301585900007	L. Riba, M. W, Wong, Continuous inversion formula for multi-dimensional modified Stockwell transforms, Integr. Transf. Spec. F. 26, No. 1, 9-19 (2015) WOS: 000344471400002	0.558 maxim realizat in 2017
Total		C = 18	

UNIVERSITATEA POLITEHNICA DIN BUCURESTI

FIŞA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR PENTRU ACCEPTAREA SUSŢINERII TEZEI DE ABILITARE

CANDIDAT: Conf. dr. CATANĂ VIOREL Depart. de Matematică-Informatică, Fac. de Ştiinţe Aplicate

Condiţii	**Îndeplinire condiţii**	
A. Doctor	Diploma de Doctor în domeniul Matematică, din 01.07.1999 emisă de Institutul de Matematică "Simion Stoilow"	
B. Îndeplinirea standardelor minime naţionale conform OMEN nr. 6.129/20.12. 2016; MO, I, 123 /15. 02. 2017.	Standarde indeplinite, conform Comisiei CNATDCU Nr. 1, Matematică Anexată: Fişa de calcul si de sustinere a indeplinirii standardelor minimale specifice domeniului, in acord cu realizarile mentionate:	
Condiţii minimale [Punctaj]	**Minim prevăzut**	**Realizat**
A1. S – lucrări publicate in jurnale ISI cu scorul relativ de influenţă cel putin egal 0,5	S ≥ 5	S = 10,351
A2. S_-recent – lucrări publicate in reviste ISI cu scorul relative de influenţă cel putin egal cu 0,5, publicate in ultimii 7 ani.	S_recent ≥ 2,5	S_recent = 3,528
A3. Citări in reviste ISI cu scorul relativ de influenţă ≥ 0,5	C ≥ 12	C = 18
C. Atestarea studiilor (diploma + Foi Matricole) si a altor realizari profesionale	**Diploma de Licenta**, in domeniul Matematică, Nr. 29456 din 29.08.1977 emisă de Universitatea din Bucureşti	
	Diplomă de Master, Specializarea Ecuaţii Funcţionale Nr. 1284 din 3.10.1977 emisă de Universitatea din Bucureşti	

Subsemnatul Catană Viorel, candidat la susţinerea tezei de abilitare, Departamentul de Matematică-Informatică, Facultatea de Ştiinţe Aplicate, din Domeniul de Studii Univ. De doctorat Matematică, arondat Comisiei de Specialitate CNATDCU [OMECTS 6573/2012] Nr.1, Matematică, declar pe propria răspundere, cunoscând prevederile art. 292 privind falsul în declaraţii, din Legea 286/2009 - Codul Penal, ca sunt indeplinite toate Standardele minimale prevazute de Metodologia UPB 2015 pentru inscrierea la concurs [Sectiunea II.3], OMECTS 6560/2012 si OMEN nr. 4204/15.07.2013 [C + P], in momentul inscrierii la concurs, si sustin veridicitatea informatiilor prezentate in dosar si in materialul de mai sus. Lucrarile considerate a fi incluse in Baza ISI Thomson Reuters sau in alte Baze de Date Internationale [BDI] sunt vizibile in aceste baze, in dreptul numelui candidatului, la aceasta data.

Candidat, **Data**

Catană Viorel 03. 09. 2018