

**СПРАВКА ЗА ИЗПЪЛНЕНИЕ НА МИНИМАЛНИТЕ НАЦИОНАЛНИ И  
ДОПЪЛНИТЕЛНИТЕ ИЗИСКВАНИЯ,**

на ас. д-р Геновева Атанасова

представена за участие в конкурс за заемане на академичната длъжност „доцент”, по професионално направление 4.2 „Химически науки” и научна специалност „Химия на твърдо тяло”, обявен в ДВ бр. 36 от 03.05.2019 г.

Таблица 1. Минимални изисквани точки по групи показатели за различните научни степени и академични длъжности

Група от показатели	Съдържание	Доктор		Доцент	
		минимални	постигнати	минимални	постигнати
А	Показател 1	50	<b>50</b>	50	<b>50</b>
Б	Показател 2	-		-	
В	Показатели 3 или 4	-	-	100	<b>125</b>
Г	Сума от показателите от 5 до 10	30	<b>150</b>	220	<b>239</b>
Д	Показател 11	-	-	60	<b>156</b>
Е	Сума от показателите от 12 до 20	-	-	-	-
Ж	Сума от показателите от 21 до 29	-	-	70	<b>110</b>
<b>Общо точки по всички показатели</b>					<b>680</b>

Таблица 2. Брой точки по показатели:

Група от показатели	Показател		Брой точки
А	<b>1. Дисертационен труд за присъждане на образователна и научна степен "доктор"</b>		
		“Характеризиране на тънки оксидни филми, приложими за каталитични носители”, 2014 ръководител: проф д-р Пламен Стефанов, чл.кор проф. дн Цветана Маринова	<b>50т</b>
<b><u>Общо точки по показател А</u></b>			<b><u>50т</u></b>
В	<b>4. Хабилитационен труд - научни публикации в издания, които са реферирани и индексирани в световноизвестни бази данни с научна информация (Web of Science и Scopus)*</b>		
В.4.1.		P Stefanov, <b>G Atanasova</b> , E Manolov, Z Raicheva, V Lazarova, Preparation and Characterization of SnO <sub>2</sub> Films for Sensing Applications, <i>Journal of Physics: Conference Series</i> , 100 (2008) 082046, doi:10.1088/1742-6596/100/8/082046 ISSN: 17426588 Scopus: SJR-10т,	Q3-15т (Scopus)
В.4.2.		A. Og. Dikovska, <b>G. B. Atanasova</b> , N. N. Nedyalkov, P. K. Stefanov, P. A. Atanasov, E. I. Karakoleva, A. Ts. Andreev, Optical sensing of ammonia using ZnO nanostructure grown on a side-polished optical-fiber, <i>Sensors and Actuators B</i> , 146 (1) (2010) 331–336, doi: 10.1016/j.snb.2010.02.018 ISSN: 09254005 Web of Science: Q1-25т, Scopus: Q1-25т	Q1-25т (Web of Science, Scopus)
В.4.3.		<b>G Atanasova</b> , A Og Dikovska, M Stankova, P Stefanov and P A Atanasov, XPS study of ZnO nanostructures prepared by laser ablation, <i>Journal of Physics: Conference Series</i> , 356 (2012) 012036, doi:10.1088/1742-6596/356/1/012036 ISSN: 17426588 Scopus: Q3-15т	Q3-15т (Scopus)
В.4.4.		A. Og. Dikovska, <b>G. B. Atanasova</b> , G. V. Avdeev, N. N. Nedyalkov, Synthesis and characterization of ZnO nanostructures on noble-metal coated substrates, <i>Applied Surface Science</i> , 374 (2016) Pages 65–70, <a href="http://dx.doi.org/10.1016/j.apsusc.2015.09.141">http://dx.doi.org/10.1016/j.apsusc.2015.09.141</a> ISSN: 01694332 Web of Science: Q1-25т, Scopus: Q1-25т	Q1-25т (Web of Science, Scopus)

	B.4.5.	<b>G. Atanasova</b> , A. Og. Dikovska, T. Dilova, B. Georgieva, G.V. Avdeev, P. Stefanov, N.N. Nedyalkov, Metal-oxide nanostructures produced by PLD in open air for gas sensor applications, <i>Applied Surface Science</i> , 470 (2019) 861–869, <a href="https://doi.org/10.1016/j.apsusc.2018.11.178">https://doi.org/10.1016/j.apsusc.2018.11.178</a> ISSN: 01694332 Web of Science: Q1-25T, Scopus: Q1-25T	Q1-25T  (Web of Science, Scopus)
	B.4.6.	<b>G. Atanasova</b> , T. Dilova, A. Og. Dikovska, G. Avdeev, P. Stefanov, N. N. Nedyalkov, Light irradiation effect on the gas sensing properties of the ZnO nanostructures, <i>Proc. SPIE 11047</i> , 20th International Conference and School on Quantum Electronics: Laser Physics and Applications, 110470B (2019); <a href="https://doi.org/10.1117/12.2516517">https://doi.org/10.1117/12.2516517</a> ISSN: 0277786X Scopus: SJR-10T	SJR-10T  (Scopus)
	B.4.7.	T. Dilova, <b>G. Atanasova</b> , A. Og. Dikovska, G. V. Avdeev, P. Stefanov, N. N. Nedyalkov, Gas-sensing properties of metal-oxide nanostructures produced by PLD, <i>Proc. SPIE 11047</i> , 20th International Conference and School on Quantum Electronics: Laser Physics and Applications, 110470G (2019); <a href="https://doi.org/10.1117/12.2516753">https://doi.org/10.1117/12.2516753</a> ISSN: 0277786X Scopus: SJR-10T	SJR-10T  (Scopus)
<b>Общо точки по показател В</b>			<b><u>125T</u></b>
<b>Г</b>	<b>7. Научна публикация в издания, които са реферирани и индексирани в световноизвестни бази данни с научна информация (Web of Science и/или Scopus), извън хабилитационния труд</b>		
	Г.7.1.	A. Og. Dikovska, N. N. Nedyalkov, S. E. Imamova, <b>G. B. Atanasova</b> , P. A. Atanasov, Au-coated ZnO nanostructures for surface enhanced Raman spectroscopy applications, <i>Quantum Electronics</i> , 42 (3) (2012) 258–261, doi: 10.1070/QE2012v042n03ABEH014761 ISSN:1063-7818 Web of Science: Q2-20T, Scopus: Q2-20T	Q2-20T  (Web of Science, Scopus)
	Г.7.2.	Tanya Tsoncheva, Gloria Issa, Teresa Blasco, Momtchil Dimitrov, Margarita Popova, Selene Hernández, Daniela Kovacheva, <b>Genoveva Atanasova</b> , José M. López Nieto, Catalytic VOCs elimination over copper and cerium oxide modified mesoporous SBA-15 silica, <i>Applied Catalysis A: General</i> , 453 (2013) 1–12. doi:10.1016/j.apcata.2012.12.007, ISSN: 0926860X Web of Science: Q1-25T, Scopus: Q1-25T	Q1-25T  (Web of Science, Scopus)

Г.7.3.	A. O. Dikovska, M. T. Alexandrov, <b>G. B. Atanasova</b> , N. T. Tsankov, P. K. Stefanov, Silver nanoparticles produced by PLD in vacuum: role of the laser wavelength used, <i>Applied Physics A: Materials Science and Processing</i> , 113(1) (2013) 83–88, doi: 10.1007/s00339-013-7834-9 ISSN: 09478396 Web of Science Q2-20т, Scopus: Q1-25т	Q1-25т (Scopus)
Г.7.4.	A. Og. Dikovska; <b>G. B. Atanasova</b> ; G. V. Avdeev; M. E. Koleva; N. N. Nedyalkov, Fabrication of ZnO nanostructures by PLD, <i>Proceedings of SPIE - The International Society for Optical Engineering</i> , 94470 (2015) Article number 94470H. doi:10.1117/12.2175634 ISSN: 0277786X Scopus: SJR-10т	SJR-10т (Scopus)
Г.7.5.	R. Ivanova, I. Genova, D. Kovacheva, <b>G. Atanasova</b> , T. Tsoncheva, Effect of porous structure on the formation of active sites in manganese hosted in ordered mesoporous silica catalysts for environmental protection, <i>Journal of Porous Materials</i> , 23(4) (2016) 1005-1013, doi:10.1007/s10934-016-0158-3 ISSN: 13802224 Web of Science: Q2-20т, Scopus: Q2-20т,	Q2-20т (Web of Science, Scopus)
Г.7.6.	A Og Dikovska, <b>G B Atanasova</b> , G V Avdeev and V Y Strijkova, Thin nanocrystalline zirconia films prepared by pulsed laser deposition, 19th International Summer School on Vacuum, Electron and Ion Technologies (VEIT2015) IOP Publishing, <i>Journal of Physics: Conference Series</i> , 700 (2016) 012024, doi:10.1088/1742-6596/700/1/012024 ISSN: 17426588 Scopus: Q3-15т	Q3-15т (Scopus)
Г.7.7.	Margarita Popova, Ágnes Szegedi, Hristina Lazarova, Alenka Ristić, Yuri Kalvachev, <b>Genoveva Atanasova</b> , Nicole Wilde, Nataša Novak Tušar, Roger Gläser, Synthesis of biomass derived levulinate esters on novel sulfated Zr/KIL-2 composite catalysts, <i>Microporous and Mesoporous Materials</i> , 235 (2016) 50-58, doi:10.1016/j.micromeso.2016.07.047 ISSN: 13871811 Web of Science: Q1-25т, Scopus: Q1-25т	Q1-25т (Web of Science, Scopus)
Г.7.8.	Margarita Popova, Ágnes Szegedi, Hristina Lazarova, Momtchil Dimitrov, Yuri Kalvachev, <b>Genoveva Atanasova</b> , Alenka Ristić, Nicole Wilde, Roger Gläser, Influence of the preparation method of sulfated zirconia nanoparticles for levulinic acid esterification, <i>Reac Kinet Mech Cat.</i> , 120(1) (2017) 55–67, doi:10.1007/s11144-016-1088-4 ISSN: 18785190 Web of Science: Q3-15т, Scopus: Q3-15т	Q3-15т (Web of Science, Scopus)

Г.7.9.	A.Og. Dikovska, D. Pallotti , S. Lettieri, <b>G.B. Atanasova</b> , G.V. Avdeev, P. Maddalena, S. Amoruso, N.N. Nedyalkov, Growth mechanism of ZnO nanostructures produced by ultraviolet and visible laser ablation, <i>Applied Surface Science</i> , 423 (2017) 977–982, <a href="https://doi.org/10.1016/j.apsusc.2017.06.331">https://doi.org/10.1016/j.apsusc.2017.06.331</a> ISSN: 01694332 Web of Science: Q1-25T, Scopus: Q1-25T	Q1-25T (Web of Science, Scopus)
Г.7.10.	Kamelia Kamburova, Nelly Boshkova, Nikolai Boshkov, <b>Genoveva Atanassova</b> , Tsetska Radeva, Hybrid zinc coatings for corrosion protection of steel using polyelectrolyte nanocontainers loaded with benzotriazole, <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 559 (2018) 243–250, <a href="https://doi.org/10.1016/j.colsurfa.2018.09.039">https://doi.org/10.1016/j.colsurfa.2018.09.039</a> ISSN: 09277757 Web of Science: Q2-20T, Scopus: Q2-20T	Q2-20T (Web of Science, Scopus)
Г.7.11.	M. Peshova, V. Bachvarov, St. Vitkova, <b>G. Atanasova</b> & N. Boshkov, Electrodeposited zinc composite coatings with embedded carbon nanotubes – advanced composite materials for better corrosion protection, <i>Transactions of the IMF</i> , 96 (6) (2018) 324-331, <a href="https://doi.org/10.1080/00202967.2018.1520486">https://doi.org/10.1080/00202967.2018.1520486</a> ISSN: 00202967 Web of Science Q4-12T, Scopus: Q3-15T	Q3-15T (Scopus)
Г.7.12.	Rabadzhiyska, S.N., Kolaklieva, L.P., Cholakova, T.M., Kakanakov, R.D., Chitanov, V., Stefanov, P.K., <b>Atanasova, G.B.</b> , Balashev, K.T., Rangelov, B.S., Atanasova, S.B., Multilayer CrN/TiN coatings deposited at low temperatures by unbalanced magnetron sputtering for implant applications, <i>Bulgarian Chemical Communications</i> , 50 (2018) 172-180, <a href="http://www.bcc.bas.bg/BCC_Volumes/Volume_50_Special_G_2018/50G_PD_172-180.80.pdf">http://www.bcc.bas.bg/BCC_Volumes/Volume_50_Special_G_2018/50G_PD_172-180.80.pdf</a> ISSN: 08619808 Web of Science: Q4-12T, Scopus: Q4-12T	Q4-12T (Web of Science, Scopus)
Г.7.13.	T. M. Cholakova, L.P. Kolaklieva, R.D. Kakanakov, V.A. Chitanov, B. S. Rangelov, S. Atanasova-Vladimirova, P. K. Stefanov, <b>G. B. Atanasova</b> , K. T. Balashev, Effect of the heat treatment on mechanical and structural properties of CrTiAlN coatings deposited at low temperature, <i>Bulgarian Chemical Communications</i> , 50 Special Issue G (2018) 197 – 204 <a href="http://www.bcc.bas.bg/BCC_Volumes/Volume_50_Special_G_2018/50G_PD_197-204.105.pdf">http://www.bcc.bas.bg/BCC_Volumes/Volume_50_Special_G_2018/50G_PD_197-204.105.pdf</a> ISSN: 08619808 Web of Science: Q4-12T, Scopus: Q4-12T	Q4-12T (Web of Science, Scopus)
<b><u>Общо точки по показател Г</u></b>		<b><u>239T</u></b>

<b>Д</b>	<b>11. Цитирания в научни издания, монографии, колективни томе и патенти, реферирани и индексирани в световноизвестни бази данни с научна информация (Web of Science и Scopus)</b>		
		Цитати в базата на Scopus: 78 бр x2г	<b>156</b>
<b><u>Общо точки по показател Д</u></b>			<b><u>156г</u></b>
<b>Ж</b>	<b>21. Индекс по Хирш (H) (Scopus) H = 5 (минимум) за доцент</b>		
		Индекс по Хирш (H) (Scopus) - 11	<b>110г</b>
<b><u>Общо точки по показател Ж</u></b>			<b><u>110г</u></b>
<b><u>Общо точки по всички показатели</u></b>			<b><u>680</u></b>

## СПИСЪК НА ЦИТАТИТЕ

на ас. д-р Геновева Атанасова

в научни издания, реферирани и индексирани в базата данни Scopus

представени за участие в конкурс за заемане на академичната длъжност „доцент”, по професионално направление 4.2 „Химически науки” и научна специалност „Химия на твърдо тяло”, обявен в ДВ бр. 36 от 03.05.2019 г.

**B.4.1. P Stefanov, G Atanasova, E Manolov, Z Raicheva, V Lazarova, Preparation and Characterization of SnO<sub>2</sub> Films for Sensing Applications, *Journal of Physics: Conference Series*, 100 (2008) 082046, doi:10.1088/1742-6596/100/8/082046, 14 цитата**

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**B.4.2. A. Og. Dikovska, G. B. Atanasova, N. N. Nedyalkov, P. K. Stefanov, P. A. Atanasov, E. I. Karakoleva, A. Ts. Andreev, Optical sensing of ammonia using ZnO nanostructure grown on a side-polished optical-fiber, *Sensors and Actuators B*, 146 (1) (2010) 331–336, doi: 10.1016/j.snb.2010.02.018, 54 uumama**

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