СПРАВКА ЗА ИЗПЪЛНЕНИЕ НА МИНИМАЛНИТЕ НАЦИОНАЛНИ И ДОПЪЛНИТЕЛНИ ИЗИСКВАНИЯ НА ИК

за заемане на академичната длъжност „доцент“

на гл.ас. д-р Ралица Бойкова Млааденова

Област 4. Природни науки, математика и информатика

Професионално направление 4.2.Химически науки

Таблица 1

Група от показатели	Съдържание	Доцент	
		Минимални изисквания	Брой точки по показатели на Ралица Младенова
А	Показател 1	50	**50**
Б	Показател 2		
В	Показатели 3 или 4	100	**139**
Г	Сума от показателите от 5 до 10	220	**251**
Д	Показател 11	60	**128**

Таблица 2. Брой точки по показатели

А1. Дисертационен труд за присъждане на образователна и научна степен „доктор“	**Необходими 50 точки**
Защитена дисертация на тема: „*ЕПР изследване на термично генерирани свободни радикали в храни*“ Диплома № 32047, Дата на издаване: 21.01. 2008 г. Висша Атестационна комисия, Научна специалност „Химична кинетика и катализ“ (шифър 01.05.16)	50 т.
Общ брой	**50 т.**

В 4. Хабилитационен труд – научни публикации в издания, които са реферирани и индексирани в световноизвестни бази данни с научна информация (Web of Science и Scopus)	**Необходими 100 точки**
B1. **Mladenova R.B.**, Solakov N.Y., Loginovska K.K., Evaluation of gamma irradiation effects on antioxidant capacity of propolis. Applied Radiation and Isotopes 207, 111254, 2024.	Q2 (Scopus) 20 т.
B2. **Mladenova R.**, Aleksieva K., Taneva S, Sabotinov O., Teneva D., EPR characterization of the gamma irradiation effect on antiradical activity and free radicals generation of dried rosehip (Rosa canina L.) seeds. Journal of Food Measurement and Characterization 18(1), 529-537, 2024.	Q2 (Scopus) 20 т.
B3. **Mladenova R.B.**, Solakov N.Y., Loginovska K.K., Irradiation effects on phenolic content in Bulgarian honey bee products and correlation to the antioxidant activity. Radiochimica Acta 111(7), 583-588, 2023.	Q2 (Scopus) 20 т.
B4. **Mladenova R.B**., Aleksieva K.I., Solakov N.Y., Loginovska K.K., Effects of gamma irradiation on free radical components, phenolic content and antioxidant activity of beebread, Comptes rendus de l’Académie	Q3 (Scopus) 15 т.

bulgare des Sciences 75(5), 672-679, 2022.	
B5. Aleksieva K., **Mladenova R**., Solakov N., Loginovska K., EPR analysis of free radical components and antioxidant activity of bee pollen before and after gamma-irradiation. Journal of Radioanalytical and Nuclear Chemistry 327(2), 713-719, 2021.	Q2 (Scopus) 20 т.
B6. **Mladenova R.B.**, Aleksieva K.I., Nacheva I.B., Effect of gamma irradiation on antiradical activity of goji berry fruits (Lycium barbarum) evaluated by EPR spectroscopy. Journal of Radioanalytical and Nuclear Chemistry 320(3), 569-575, 2019.	Q2 (Scopus) 20 т.
B7. Momchilova Sv. M., Taneva S. P., Totseva I. R., Nikolova Y. I., Karakirova Y. G., Aleksieva K. I., **Mladenova R. B**., Kancheva V. D., Gamma-irradiation of nuts – EPR characterization and effects on lipids and oxidative stability: II. Peanuts. Bulgarian Chemical Communication 51, 263-269, 2019.	Q4 (Scopus) 12 т.
B8. Momchilova Sv. M., Taneva S. P., Totseva I. R., Nikolova Y. I., Karakirova Y. G., Aleksieva K. I., **Mladenova R. B**., Kancheva V. D., Gamma-irradiation of nuts – EPR characterization and effects on lipids and oxidative stability: I. Hazelnuts. Bulgarian Chemical Communication 51, 256-262, 2019.	Q4 (Scopus) 12 т.
Общ брой:	**139 т.**

Г 7. Научна публикация в издания, които са реферирани и индексирани в (Web of Science и Scopus), извън хабилитационния труд	Необходими 220 точки
Г1. Kaneva N., Bojinova A., **Mladenova R**., Kolev H., Stefanov B., Synthesis of Ag-modified TiO_2 sol-gel films and its application as photocatalysts for methylene blue degradation. Journal of Chemical Technology and Metallurgy 59(3), 569-574, 2024.	Q3 (Scopus) 15 т.
Г2. Ivanova D., **Mladenova R**., Kolev H., Kaneva N., Effect of Ultraviolet Illumination on the Fixation of Silver Ions on Zinc Oxide Films and Their Photocatalytic Efficiency, Catalysts 13(7), 1121, 2023.	Q2 (Scopus) 20 т.
Г3. Momchilova S., Kazakova A., Taneva S, Aleksieva K., **Mladenova R.**, Karakirova Y., Petkova Z., Kamenova-Nacheva M., Teneva D., Denev P., Effect of Gamma Irradiation on Fat Content, Fatty Acids, Antioxidants and Oxidative Stability of Almonds, and Electron Paramagnetic Resonance (EPR) Study of Treated Nuts, Molecules 28, 1439, 2023.	Q1 (Scopus) 25т.
Г4. Karakirova Y., **Mladenova R**., An EPR study of gamma irradiated mixed materials based on sucrose for dosimetric purposes. Radiation Physics and Chemistry 197, 110218, 2022.	Q1 (Scopus) 25 т.
Г5. Dimitrov O., Stambolova I., Babeva T., Lazarova K., Avdeev G., Shipochka M., **Mladenova R**., Simeonova S., High intensity orange-red emission of chemically deposited Sm^{3+}-doped ZrO_2 thin films - Beneficial effects of host and dopant. Journal of Materials Research and Technology	Q1 (Scopus) 25 т.

18, 3026-3034, 2022.	
Г6. Stoyanova D., Stambolova I., Blaskov V., Georgieva P, Shipochka M., Zaharieva K., Dimitrov O., Markov P., Dyakova V., Kostova Y., **Mladenova R**., Tzvetkov G., Boshkova N., Boshkov N., Modified Approach Using Mentha arvensis in the Synthesis of ZnO Nanoparticles—Textural, Structural, and Photocatalytic Properties. Applied Sciences 12(3), 1096, 2022.	Q2 (Scopus) 20т.
Г7. Stambolova I, Stoyanova D., Shipochka M., Blaskov V., Nihtianova D., Markov P., Eliyas A., **Mladenova R**., Dimitrov L., Abrashev M., Avdeev G., Zaharieva K., Enhanced effect of combination of new hybrid TiO_2 phase and phosphorus dopant on the physicochemical properties and UV/Visible light photocatalytic activity. Materials Characterization 172, 110775, 2021.	Q1 (Scopus) 25 т.
Г8. Dimitrov O., Stambolova I., Vassilev S., Lazarova K., Babeva T., **Mladenova R**., Surface and Morphological Features of ZrO_2 Sol-Gel Coatings Obtained by Polymer Modified Solution. Materials Proceedings MDPI 2, 6, 2020.	6 т.
Г9. Zaharieva K., Stambolova I., Shipochka M., Vassilev S., Blaskov V., **Mladenova R**., Nihtianova D., Markov P., Photocatalytic performance of phosphorus doped titanium dioxide nanomaterials for degradation of Reactive Black 5 azo dye. Comptes rendus de l'Académie bulgare des Sciences 73(10), 1382-1389, 2020.	Q2 (Scopus) 20т.
Г10. Kostova N.G., Fabian M., **Mladenova R**., Shopska M., Eliyas A., Structure characterization and photodegradation properties of mechanochemically synthesized nanosized N-doped ZrO_2, Nanoscience and Nanotechnology 19, 5-10, 2019.	6 т.
Г11. **Mladenova Ralitsa**, Sabotinov Ognian, Karakirova Yordanka, Shopska Maya, Gyurova Magdalina, Preliminary study on lasers and X-ray irradiation effects on hyaluronic acid dermal fillers, Comptes rendus de l'Acad´emie bulgare des Sciences 71, 1451-1457, 2018.	Q4 (Scopus) 12 т.
Г12. **Mladenova R.B.**, Yordanov N.D., EPR study of free radicals in pasta products. Bulgarian Chemical Communications 47, 472-476, 2015.	Q4 (Scopus) 12 т.
Г13. **Mladenova R.B**., Yordanov N.D., Motyakin M.V., Wasserman A.M. EPR detection of γ-Irradiated green tea, Oxidation Communications 34, 882-887, 2011.	Q3 (Scopus) 15 т.
Г14. **Mladenova R.B**., Firzov C., Yordanov N.D., EPR study of free radicals in non- and gamma-irradiated nutritive supplements containing anthocyanins concentrate from lyophilized red wine. Radiation Physics and Chemistry 79, 990-993, 2010.	Q1 (Scopus) 25 т.
Общ брой:	**251 т.**

Д 11. Цитирания в научни издания, монографии, колективни томове и патенти, реферирани и индексирани в световноизвестни бази данни с научна информация (Web of Science и Scopus)	Необходими 60 точки
Цитати от публикациите участващи в конкурса	64x2
Общ брой:	128