

**Списък на трудовете и публикациите на
доц. д-р Илиана Наумова Апостолова,**

представени за участие в конкурс за заемане на академичната длъжност „професор“ в област на висше образование **4. Природни науки, математика и информатика**, професионално направление **4.1. Физически науки**, научна специалност **„Електрични, магнитни и оптични свойства на кондензираната материя (мултифероични свойства на обемни образци и наноматериали)“**, по дисциплината **„Физика с биофизика“**, обявен в ДВ, бр. 102 от 8.12.2023 г., код на процедурата: WWI-P-1123-112

I. СТАТИИ УЧАСТВАЩИ В КОНКУРСА
47 бр.: 4 бр. - Q1, 27 бр. - Q2, 13 бр.- Q3, 3 бр. - Q4

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29. A. T. Apostolov, I. N. Apostolova and J. M. Wesselinowa, Magnetic and electric properties of multiferroic LiFeP_2O_7 . Comparison with LiCrP_2O_7 , Modern Physics Letters B **33**(09), 2150158 (2021). ISSN (print) 0217-9849, ISSN (online) 1793-6640, Q3, SJR 0,343, IF 1,948
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II. СТАТИИ УЧАСТВАЩИ В РАЗШИРЕНАТА ХАБИЛИТАЦИОННА СПРАВКА

11 бр.: 5 бр. - Q2, 6 бр.- Q3

- XC1. I. N. Apostolova, A. T. Apostolov, J. M. Wesselinowa, Theoretical study of the multiferroic properties of DyFeWO₆, European Physical Journal B **95**, 133 (2022).
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- XC4. A. T. Apostolov, I. N. Apostolova, S. Trimper and J. M. Wesselinowa, Antiferroelectricity and weak ferromagnetism in rare earth doped multiferroic BiFeO₃, Solid State Communications **300**, 113692 (2019). ISSN 0038-1098, Q3, SJR 0,41, IF 1,521
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- XC5. I. N. Apostolova, A. T. Apostolov and J. M. Wesselinowa, Room temperature ferromagnetism in multiferroic BaCoF₄ thin films due to surface, substrate and ion doping effects, Thin Solid Films **722**, 138567 (2021). ISSN 0040-6090, Q2, SJR 0,47 IF 2,358
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- XC8. I. N. Apostolova, A. T. Apostolov and J. M. Wesselinowa, Multiferroic properties of pure and ion doped BiCrO₃ - bulk and thin films, Physica Status Solidi B: Basic Solid State Physics **259**(11), 2200171 (2022).
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- XC10. I. N. Apostolova, A. T. Apostolov, S. Trimper and J. M. Wesselinowa, Multiferroic Properties of Pure, Transition Metal, and Rare Earth-Doped BaFe₁₂O₁₉ Nanoparticles, Physica Status Solidi B: Basic Solid State Physics **258**(7), 2100069 (2021).
ISSN (Print) 0370-1972, ISSN (Online) 1521-3951 Q3, SJR 0,41, IF 1,782
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- XC11. A. T. Apostolov, I. N. Apostolova, S. Trimper and J. M. Wesselinowa, Physical Origin of Magnetoelectroporation, Physica Status Solidi B: Basic Solid State Physics **260**(3), 2200523 (2023). ISSN (Print) 0370-1972, ISSN (Online) 1521-3951, Q3, SJR 0,41, IF 1,6
doi: 10.1002/pssb.202200523

III. ИЗДАДЕНИ УЧЕБНИЦИ И УЧЕБНИ ПОСОБИЯ

Издадени университетски учебници:

1. И. Апостолова, А. Апостолов, **Физика с биофизика**, Издателство „Авангард прима”, ISBN 978-619-160-677-1, 323 стр., София (2016).
Рецензент доц. д-р Йорданка Георгиева

2. И. Апостолова, **Физика с биофизика за екологи**, Издателство „Авангард прима”,
ISBN 978-619-239-896-5, 373 стр., София (2023).
Рецензент доц. д-р Николай Минковски

Издадени университетски пособия:

3. И. Апостолова, **Тестове по Физика и Физика с биофизика за студентите от
Лесотехнически университет**, Издателство „Авангард прима”,
ISBN 978-619-239-712-8, 144 стр., София (2022).
Рецензент доц. д-р Йорданка Георгиева

**ОБОБЩЕНА СПРАВКА
за трудовете и публикациите, участващи в конкурса за „професор“**

Общ брой на публикациите: 58 броя, 2 Univ. учебника и 1 Univ. пособие.

1. Публикации в научни списания, реферирани и индексирани в световноизвестни бази данни с научна информация (Web of Science и Scopus) - **47 броя**.
2. Публикации в научни списания, реферирани и индексирани в световноизвестни бази данни с научна информация (Web of Science и Scopus), участващи в разширената хабилитационна справка - **11 броя**.
3. Публикуван университетски учебник - **2 броя**.
7. Публикувано университетско пособие - **1 брой**.

януари 2024 г.

Изготвил: 
/доц. д-р Илиана Апостолова/