Списък на научните трудове
на гл. ас. Надежда Христова Тодорова
предоставена във връзка с участието в конкурс за заемане на академичната длъжност „доцент“ по професионално направление 4.3. Биологически науки, за нуждите на секция "Биомониторинг и екологичен риск" към отдел "Екосистемни изследвания, екологичен риск и консервационна биология" към ИБЕИ-БАН

I. Научни трудове, на основата на които е защитена дисертация
(Показатели група А)

Дисертационен труд за присъждане на ОНС „Доктор“

Тодорова Н. 2010. Структура и биодеградационен потенциал на бактериални съобщества в замърсени с нефтопродукти крайбрежни морски седименти (докторантура на самостоятелна подготовка)

Публикации, свързани с придобиването на ОНС „Доктор“

[Ai] **Todorova, N.**, Iotzova V., Karamfilov V., Hiebaum G.. Effect of chronic oil pollution on the structure of bacterial communities inhabiting coastal marine sediments. Comptes Rendus de l`Academie Bulgare des Sciences, 61, 3, BAS, 2008, ISSN:1310-1331, 357-362. ISI IF:0.2, Q2
20 т

[Aii] **Todorova, N.**, Radeva G., Karamfilov V.K. Microbial diversity in Zostera sp. beds in South-western Black sea region analyzed by amplified ribosomal dna restriction enzyme analysis (ARDRA). Biotechnol. & Biotechnol. Eq., 26, Special Edition, Taylor & Francis, 2014, ISSN:1310-2818, DOI:10.5504/50YRTIMB.2011.0002, 5-11. SJR:0.162, ISI IF:0.622, Q4
10 т

Общ брой точки по показател А: 50 т

II. Научни трудове извън дисертацията
(Показатели група В и Г)

В4. Хабилитационен труд – научни публикации в издания, които са реферирани и индексирани в световноизвестни бази данни с научна информация

[B4.1] **Todorova, N**., Mironova, R., Karamfilov, V. Comparative molecular analysis of bacterial communities inhabiting pristine and polluted with polycyclic aromatic hydrocarbons Black Sea coastal sediments. Marine Pollution Bulletin, 83, Elsevier, 2014, ISSN:0025-326X, DOI:http://dx.doi.org/10.1016/j.marpolbul.2014.03.047, 231-240. JCR-IF (Web of Science):2.991, Q1
25 т

[B4.2] Caruso, G., La Ferla, R., Azzaro, M., Zoppini, A., Marino, G., Petochi, T., Corinaldesi, C., Leonardi, M., Zaccone, R., Fonda, S., Caroppo, C., Monticelli, L., Azzaro, F., Decembrini, F., Maimone, G., Cavallo, R., Stabili, L., **Todorova, N**., Karamfilov, V., Rastelli, E., Cappello, S., Acquaviva, M.I., Narracci, M., De Angelis, R., Del Negro, P., Latin, M., Danovaro, R. Microbial

assemblages for environmental quality assessment: Knowledge, gaps and usefulness in the European marine strategy framework directive. Critical Reviews in Microbiology, 42(6), Taylor & Francis, 2016, ISSN:1040-841X, DOI:10.3109/1040841X.2015.1087380, 883-904. ISI IF:8.192,Q1
25 т

[B4.3] Woerner, S., Zecchin, S., Dan, J., **Todorova, N.**, Loy, A., Conrad, R., Pester, M. Gypsum amendment to rice paddy soil stimulated bacteria involved in sulfur cycling but largely preserved the phylogenetic composition of the total bacterial community. Environmental Microbiology Report, 8, 3, Wiley, 2016, DOI:10.1111/1758-2229.12413, 413-423. ISI IF:3.293, Q2
20 т

[B4.4] Rangelov, M., **Todorova, N**., Tsacheva, I. In silico investigation of single-chain variable fragment (scFv) antibody, structurally similar to native C1q globular heads. Bulgarian Chemical Communications, 49, Special Issue E, Institute of Chemical Engineering - BAS, 2017, ISSN:0324-1130, 50-53. ISI IF:0.238, Q4
12 т

[B4.5] **Todorova, N**., Rangelov, M., Bogoeva, V., Stoyanova, V., Yordanova, A., Nikolova, G., Georgiev, H., Dimitrova, D., Mohedin, S., Stoyanova, K., Tsachevaa, I. Anti-Idiotype scFv Localizes an Autoepitope in the Globular Domain of C1q. International Journal of Molecular Sciences, 22, MDPI, 2021, DOI:https://doi.org/10.3390/ijms22158288, SJR (Scopus):1.46, JCR-IF (Web of Science):5.923, Q1
25 т

Общ брой точки по показател B: 107 т

Г7. Научна публикация в издания, които са реферирани и индексирани в световноизвестни бази данни с научна информация (Web of Science и Scopus), извън хабилитационния труд

[Г7.6] Tsacheva, I., Radanova, M., **Todorova, N**., Argirova, T., Kishore, U. Detection of autoantibodies against the globular domain of human C1q in the sera of systemic lupus erythematosus patients. Molecular Immunology, 44, Elsevier, 2007, doi:10.1016/j.molimm.2006.09.009, 2147-2151. ISI IF:3.742, Q1
25 т

[Г7.7] **Todorova, N.**, Stankov, A., Rangelov, M., Jovtchev, G. Has Roundup an impact on microbial commiunities of agricultural soils?. Животна средина - Заштита - Зборници, COBISS.SR-ID 317216519, 2017, ISBN:978-86-83177-52-3, 109-114, без SJR/ IF
0 т

[Г7.8] Todorov, P., Rangelov, M., Peneva, P., **Todorova, N.**, Tchekalarova, J. Anticonvulsant evaluation and docking analysis of novel VV-Hemorphin-5 analogues. Drug Development Research, 80, 4, Wiley, 2019, DOI:10.1002/ddr.21514, 425-437. JCR-IF (Web of Science):2.646, Q3
15 т

[Г7.9] Todorov, P., Peneva P., Tchekalarova J., Rangelov, M., Georgieva S., **Todorova N**. Synthesis, characterization and anticonvulsant activity of new series of N-modified analogues of VV-Hemorphin-5 with aminophosphonate moiety. Amino Acids, Springer, 2019b, DOI:10.1007/s00726-019-02789-0, SJR (Scopus):0.977, JCR-IF (Web of Science):2.52, Q1

25 т

[Г7.10] Tchekalarova J., Angelova V., **Todorova N**., Andreeva-Gateva P., Rangelov, M. Evaluation of the anticonvulsant effect of novel melatonin derivatives in the intravenous pentylenetetrazol seizure test in mice. European Journal of Pharmacology, 863, 172684, Elsevier, 2019, DOI:10.1016/j.ejphar.2019.172684, SJR:1.001, ISI IF:3.17, Q1
25 т

[Г7.11] Bogoeva V., Rangelov, M., **Todorova N**., Lambert A., Bridot C., Yordanova A., Roos G., Grandjean C., Bouckaert J. Binding of gold(III) porphyrin by the pro-metastatic regulatory protein human galectin-3.. Molecules, Special Issue Lectins: From Biochemical and Structural Studies to Biotechnological and Biomedical Applications, MDPI, 2019, doi: 10.3390/molecules24244561, SJR (Scopus):0.76, JCR-IF (Web of Science):3.06, Q1
25 т

[Г7.12] Angelova V. T., Rangelov M., **Todorova N.**, Dangalov M., Andreeva-Gateva P., Kondeva-Burdina M., Karabeliov V., Shivachev B., Tchekalarova J. Discovery of novel indole-based aroylhydrazones as anticonvulsants: Pharmacophore-based design. Bioorganic Chemistry, Elsevier, 2019, https://doi.org/10.1016/j.bioorg.2019.103028, ISI IF:3.929, Q1
25 т

[Г7.13] Gateva, S., Stankov, A., Angelova, T., **Todorova, N**., Rangelov, M., Zlateva, B., Jovtchev, G. Evaluation of toxic and genotoxic effects of roundup after direct and indirect treatment. International journal of ecosystems and ecology science (IJEES), 9, 3, 2019, ISSN:2224-4980, https://doi.org/10.31407/ijees9301, 409-416, без SJR/ IF
0 т

[Г7.14] Todorov, P, Peneva, P, Tchekalarova, J, Georgieva, S, Rangelov, M, **Todorova, N**. Structure–activity relationship study on new hemorphin-4 analogues containing steric restricted amino acids moiety for evaluation of their anticonvulsant activity. Amino acids, Springer, 2020, https://doi.org/10.1007/s00726-020-02898-1, SJR (Scopus):0.92, Q1
25 т

[Г7.15] Ossowicz, P, Janus, E, Klebeko, J, Świątek, E, Kardaleva, P, Taneva, S, Krachmarova, E, Rangelov, M, **Todorova, N.**, Guncheva, M. Modulation of the binding affinity of naproxen to bovine serum albumin by conversion of the drug into amino acid ester salts. Journal of Molecular Liquids, Elsevier, 2020, https://doi.org/10.1016/j.molliq.2020.114283, SJR (Scopus):0.883, IF6.165,Q1
25 т

[Г7.16] Litov, L., Petkov, P., Rangelov, M., Ilieva, N., Lilkova, E., **Todorova, N.**, Krachmarova, E., Malinova, K., Gospodinov, A., Hristova, R., Ivanov, I., Nacheva, G. Molecular Mechanism of the Anti-Inflammatory Action of Heparin. International Journal of Molecular Sciences, 22, MDPI, 2021, https://doi.org/10.3390/ijms221910730, 10730. SJR (Scopus):1.46, JCR-IF (Web of Science):5.923, Q1
25 т

[Г7.17] Kandinska, M., Cheshmedzhieva, D., Kostadinov, A., Rusinov, K., Rangelov, M., **Todorova, N**., Ilieva, S., Ivanov, D., Videva, V., Lozanov, V., Baluschev, S., Landfester, K., Vasilev, A. Tricationic asymmetric monomeric monomethine cyanine dyes with chlorine and trifluoromethyl functionality – Fluorogenic nucleic acids probes. Journal of Molecular Liquids, 342, Elsevier, 2021,

https://doi.org/10.1016/j.molliq.2021.117501, 117501. SJR (Scopus):0.93, JCR-IF (Web of Science):6.165, Q1
25 т

[Г7.18] Anastassova N., Aluani D., Kostadinov A., Rangelov M., **Todorova, N.**, Hristova-Avakumova N., Argrirova M., Lumov N., Kondeva-Burdina M., Tzankova V., Yancheva D. New benzimidazole arylhdydrazones as potential drug candidates for the Parkinson's disease treatment with combined MAO-B inhibiting, neuroprotective and antioxidant activity. Neural Regeneration Research, 16, 11, Wolters Kluwer Medknow Publications, 2021, https://doi.org/10.4103/1673-5374.309843, 2299-2309. SJR (Scopus):0.93, JCR-IF (Web of Science):5.135, Q2
20 т

[Г7.19] Todorov, P., Peneva, P., Georgieva, S., Tchekalarova, J., Rangelov, M., **Todorova, N.** Synthesis and characterization of new 5,5′-dimethyl- and 5,5′-diphenylhydantoin-conjugated hemorphin derivatives designed as potential anticonvulsant agents. New Journal of Chemistry, 46, 2022, DOI:10.1039/d1nj05235g, 2198-2217. SJR (Scopus):0.69, IF3.591, Q1
25 т

[Г7.20] **Todorova, N.**, Rangelov, M., Dincheva, I., Badjakov, I., Enchev, V., Markova, N. Potential of hydroxybenzoic acids from Graptopetalum paraguayense for inhibiting of herpes simplex virus DNA polymerase – metabolome profiling, molecular docking and quantum-chemical analysis. Pharmacia, 69, 1, 2022, DOI:10.3897/pharmacia.69.e79467, 113-123. SJR (Scopus):0.2, само SJR
10 т

[Г7.21] Anastassova, N., Aluani, D., Hristova-Avakumova, N., Tzankova, V., Kondeva-Burdina, M., Rangelov, M., **Todorova, N.**, Yancheva, D. Study on the Neuroprotective, Radical-Scavenging and MAO-B Inhibiting Properties of New Benzimidazole Arylhydrazones as Potential Multi-Target Drugs for the Treatment of Parkinson's Disease. Antioxidants, 11(5), 884, 2022, https://doi.org/10.3390/antiox11050884. SJR (Scopus):1.01, JCR-IF (Web of Science):6.313, Q1
25 т

[Г7.22] Ossowicz-Rupniewska, P., Klebeko, J., Świątek, E., Szachnowska, J., Janus, E., Rangelov, M., **Todorova, N.,** Taneva, S., Krachmarova, E., Guncheva, M. Binding behavior of ibuprofen-based ionic liquids with bovine serum albumin: Thermodynamic and molecular modeling studies. Journal of Molecular Liquids, 360,119367, 2022, https://doi.org/10.1016/j.molliq.2022.119367. SJR (Scopus):0.883, IF6.165, Q1
25 т

Г8. Публикувана глава от книга или колективна монография

[Г8.23] **Todorova N.**, Alyomov S., Chiotoroiu B.C., Fach B., Osadchaya T., Rangelov M., 2e, 1Salihoglu B., Vasilev V.. Black Sea Chapter 8. In: Shepard, Ch. (Ed.) World Seas: An Environmental Evaluation, Vol I: Europe, The Americas and West Africa, 1, Elsevier, 2018, ISBN:978-0-12-8050682, https://doi.org/10.1016/C2015-0-04330-1, 17, 209-226
15 т

Общ брой точки по показател Г: 360 т

III. Статии извън конкурса

[E] Kopf A., Bicak M., Kottmann R., Schnetzer J., Kostadinov I., Lehmann K., Fernandez-Guerra A., Jeanthon C., Rahav E., Ullrich M., Wichels A., Gerdts G., Polymenakou P., Kotoulas G., Siam R., Abdallah R.Z., Sonnenschein E.C., Cariou T., O'Gara F., Jackson S., Orlic S., Steinke M., Busch J., Duarte B., Caçador I., Canning-Clode J., Bobrova O., Marteinsson V., Reynisson E., Loureiro C.M., Luna G.M., Quero G.M., Löscher C.R., Kremp A., DeLorenzo M.E., Øvreås L., Tolman J., LaRoche J., Penna A., Frischer M., Davis T., Katherine B., Meyer C.P., Ramos S., Magalhães C., Jude-Lemeilleur F., Aguirre-Macedo M.L., Wang S., Poulton N., Jones S., Collin R., Fuhrman J.A., Conan P., Alonso C., Stambler N., Goodwin K., Yakimov M.M., Baltar F., Bodrossy L., Van De Kamp J., Frampton D.M.F., Ostrowski M., Van Ruth P., Malthouse P., Claus S., Deneudt K., Mortelmans J., Pitois S., Wallom D., Salter I., Costa R., Schroeder D.C., Kandil M.M., Amaral V., Biancalana F., Santana R., Pedrotti M.L., Yoshida T., Ogata H., Ingleton T., Munnik K., Rodriguez-Ezpeleta N., Berteaux-Lecellier V., Wecker P., Cancio I., Vaulot D., Bienhold C., Ghazal H., Chaouni B., Essayeh S., Ettamimi S., Zaid E.H., Boukhatem N., Bouali A., Chahboune R., Barrijal S., Timinouni M., Otmani F.E., Bennani M., Mea M., **Todorova N.**, Karamfilov V., ten Hoopen P., Cochrane G., L'Haridon S., Bizsel K.C., Vezzi A., Lauro F.M., Martin P., Jensen R.M., Hinks J., Gebbels S., Rosselli R., De Pascale F., Schiavon R., dos Santos A., Villar E., Pesant S., Cataletto B., Malfatti F., Edirisinghe R., Silveira J.A.H., Barbier M., Turk V., Tinta T., Fuller W.J., Salihoglu I., Serakinci N., Ergoren M.C., Bresnan E., Iriberri J., Nyhus P.A.F., Bente E., Karlsen H.E., Golyshin P.N., Gasol J.M., Moncheva S., Dzhembekova N., Johnson Z., Sinigalliano C.D., Gidley M.L., Zingone A., Danovaro R., Tsiamis G., Clark M.S., Costa A.C., Bour M.E., Martins A.M., Collins R.E., Ducluzeau A.-L., Martinez J., Costello M.J., Amaral-Zettler L.A., Gilbert J.A., Davies N., Field D., Glöckner F.O., The ocean sampling day consortium. Giga Science, 4:27, BioMed Central Ltd, 2015, ISSN:2047-217X (Electronic) 2047-217X (Linking), DOI:10.1186/s13742-015-0066-5, JCR-IF (Web of Science):7.463 Q1, не оглавява ранглистата