Автобиография

ЛИЧНА ИНФОРМАЦИЯ

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Пол Мъж | Дата на раждане 26.05.1965, гр. Левски | Националност Българин

ТРУДОВ СТАЖ

2022 – До сега	Доцент
	Лаборатория „ОЛЕМ“, Институт по Механика-БАН, ул.“Акад. Георги Бончев“, бл. 4
2021 – 2022	Главен асистент
	Лаборатория „ОЛЕМ“, Институт по Механика-БАН, ул.“Акад. Георги Бончев“, бл. 4
2011 – 2021	Главен асистент
	Институт по катализ-БАН, ул.“Акад. Георги Бончев“, бл. 11
2009 – 2011	Химик д-р
	Институт по катализ-БАН, ул.“Акад. Георги Бончев“, бл. 11

ОБРАЗОВАНИЕ И ОБУЧЕНИЕ

2010	ОНС „Доктор“ - Българска академия на науките, ВАК
2005	Инженер-химик, ХТМУ, София

ЛИЧНИ УМЕНИЯ И КОМПЕТЕНЦИИ

Майчин език: Български

Други езици

	РАЗБИРАНЕ		ГОВОРЕНЕ		ПИСАНЕ
	Слушане	Четене	Участие в разговор	Самостоятелно устно изложение	
Английски	B1	B2	B1	B1	B1
Руски език	B2	B2	B1	B1	A1

Ниво: A1/A2: Основно ниво на владеене - B1/B2: Самостоятелно ниво на владеене - C1/C2 Свободно ниво на владеене
Обща европейска езикова рамка

Професионални умения и компетенции

Дизайн на 3D модели и производство на 3D обекти чрез FDM *(Fused Deposition Modeling)* технология. Симулационно изследване на термични явления в полимерни композити чрез FEA (*Finite element analysis*).
Материали и материалознание, хетерогенен катализ.
Полимерни нанокомпозити с въглеродни материали – графен и въглеродни нанотръби.
Дизайн и получаване на многофункционални полимерни нанокомпозити.
Структура, морфология и физични свойства на полимерни нанокомпозити: топлопроводност, електропроводност. Термични и механични свойства на нанокомпозитите.

Компютърни умения

Microsoft Excel worksheet Microsoft Word Document PowerPoint Presentation Google sheets photoshop Adobe products Windows OS Windows Server CCNA Certificate in Routing and Switching: Introduction to Networks

ДОПЪЛНИТЕЛНА ИНФОРМАЦИЯ

Georgiev, V. F. - Author details - Scopus

Глави от книги:

1. T. Batakliev, **V. Georgiev**, M. Anachkov, S. Rakovsky, G. E. Zaikov. Ozone Decomposition, Physical Chemistry Research for Engineering and Applied Sciences, Volume 1: Principles and Technological Implications, Chapter 16, (2015) 273-304. **ISBN:** 978-148226024-3.
2. T. Batakliev, **V. Georgiev**, M. Anachkov, S. Rakovsky, A. Berlin, G.E. Zaikov. Ozone decomposition on the surface of metal oxide catalyst, Process Advancement in Chemistry and Chemical Engineering Research, (2016) 149-162. **ISBN:** 978-149871931-5.
3. T. Batakliev, **V. Georgiev**, M. Anachkov, S. Rakovsky, G. E. Zaikov. Ozone Decomposition, Process Advancement in Chemistry and Chemical Engineering Research, (2016) 121-147. **ISBN:** 978-149871931-5.

Статии:

1. Giovanni Spinelli, Rumiana Kotsilkova, Evgeni Ivanov, **Vladimir Georgiev**, Carlo Naddeo, Vittorio Romano, *Thermal and Dielectric Properties of 3D Printed Parts Based on Polylactic Acid Filled with Carbon Nanostructures*, Macromolecular Symposia, 405(1), 2100244, (2022).
2. Batakliev, T., **Georgiev, V**., Kalupgian, C. *et al.* Physico-chemical Characterization of PLA-based Composites Holding Carbon Nanofillers. *Appl Compos Mater*, 28, 1175–1192 (2021).
3. Batakliev, T., **Georgiev, V**., Angelov, V. *et al.* Synergistic Effect of Graphene Nanoplatelets and Multiwall Carbon Nanotubes Incorporated in PLA Matrix: Nanoindentation of Composites with Improved Mechanical Properties. *J. of Materi Eng and Perform,* 30, 3822–3830 (2021).
4. **Georgiev, V**., Preparation and thermal stability evaluation of GNP/CNT doped poly(lactic acid) and high-density polyethylene nanocomposites*, Bulgarian Chemical Communications*, 53(2), pp. 249–255, (2021).
5. Rumiana Kotsilkova, **Vladimir Georgiev,** Influence of graphene size and content on thermal conductivity of novel poly(Lactic) acid nanocomposites, *Comptes Rendus de L'Academie Bulgare des Sciences*, 74(4), pp. 521–528, (2021).
6. **V. Georgiev**, A. Eliyas, G. Tyuliev, T. Batakliev, V. Serga, P. Karakashkova, M. Anachkov & V. Iliev Effect of coupling the TiO_2 and WO_3 loaded with noble metals for UV photodegradation of oxalic acid, assisted by ozone, Environmental Technology, 41:22, 2955-2969, (2020).
7. Meisak, D, Gurnevich, E, Plyushch, A, Bychanok, D, **Georgiev, V**, Kotsilkova, R, Kuzhir, P, Robust design of compact microwave absorbers and waveguide matched loads based on DC-conductive 3D-printable filament, *J. Phys. D: Appl. Phys.* 53, 305301, (2020).
8. Kotsilkova, R.; Ivanov, E.; **Georgiev, V**.; Ivanova, R.; Menseidov, D.; Batakliev, T.; Angelov, V.; Xia, H.; Chen, Y.; Bychanok, D.; et al. Essential Nanostructure Parameters to Govern Reinforcement and Functionality of Poly(lactic) Acid Nanocomposites with Graphene and

Carbon Nanotubes for 3D Printing Application. *Polymers* , *12*, 1208, (2020).

9. **Georgiev, V.F.,** Minkovska, S.I., Batakliev, T.T., Karakashkova, P.A., Anachkov, M.P. Efficient squaraine dye photosensitized TiO2/rGO catalyst with enhanced catalytic activity for degradation of Methylene Blue, *Bulgarian Chemical Communications,* 52 (2), 310-315, (2020).
10. Spinelli, G.; Kotsilkova, R.; Ivanov, E.; Petrova-Doycheva, I.; Menseidov, D.; **Georgiev, V**.; Di Maio, R.; Silvestre, C., Effects of Filament Extrusion, 3D Printing and Hot-Pressing on Electrical and Tensile Properties of Poly(Lactic) Acid Composites Filled with Carbon Nanotubes and Graphene. *Nanomaterials*, 10, 35, (2020).
11. VA Angelov, TT Batakliev, **VF Georgiev**, EH Ivanov, RK Kotsilkova Preparation and electromagnetic properties of epoxy/organoclay/MWCNT/gold nanocomposites., *Bulg. Chem. Commun* 52, 297, (2020).
12. G Spinelli, R Kotsilkova, E Ivanov, **V Georgiev**, R Ivanova, C Naddeo, Dielectric spectroscopy and thermal properties of poly (lactic) acid reinforced with carbon-based particles: Experimental study and design theory, *Polymers* 12 (10), 2414, (2020).
13. Batakliev, T., **Georgiev, V**., Ivanov, E., Kotsilkova, R., Di Maio, R., Silvestre, C., Cimmino, S. Nanoindentation analysis of 3D printed poly(lactic acid)-based composites reinforced with graphene and multiwall carbon nanotubes. *J. Appl. Polym. Sci.*, 136, 47260, (2019).
14. Batakliev, T.; Petrova-Doycheva, I.; Angelov, V.; **Georgiev, V**.; Ivanov, E.; Kotsilkova, R.; Casa, M.; Cirillo, C.; Adami, R.; Sarno, M.; et al. Effects of Graphene Nanoplatelets and Multiwall Carbon Nanotubes on the Structure and Mechanical Properties of Poly(lactic acid) Composites: A Comparative Study. *Appl. Sci.* , *9*, 469, (2019).
15. P. Lamberti; G. Spinelli; Polina P. Kuzhir; L. Guadagno; C. Naddeo; V. Romano; R. Kotsilkova; P. Angelova; **V. Georgiev,** Evaluation of thermal and electrical conductivity of carbon-based PLA nanocomposites for 3D printing, *AIP Conference Proceedings*, 1981, 020158, (2018).
16. Giovanni Spinelli, Rumiana Kotsilkova, Evgeni Ivanov, **Vladimir Georgiev**, Carlo Naddeo, Vittorio Romano, *Thermal and Dielectric Properties of 3D Printed Parts Based on Polylactic Acid Filled with Carbon Nanostructures*, Macromolecular Symposia, 405(1), 2100244, (2022).
17. Batakliev, T., **Georgiev, V**., Kalupgian, C. *et al.* Physico-chemical Characterization of PLA-based Composites Holding Carbon Nanofillers. *Appl Compos Mater*, 28, 1175–1192 (2021).
18. Batakliev, T., **Georgiev, V**., Angelov, V. *et al.* Synergistic Effect of Graphene Nanoplatelets and Multiwall Carbon Nanotubes Incorporated in PLA Matrix: Nanoindentation of Composites with Improved Mechanical Properties. *J. of Materi Eng and Perform,* 30, 3822–3830 (2021).
19. **Georgiev, V**., Preparation and thermal stability evaluation of GNP/CNT doped poly(lactic acid) and high-density polyethylene nanocomposites*, Bulgarian Chemical Communications*, 53(2), pp. 249–255, (2021).
20. Rumiana Kotsilkova, **Vladimir Georgiev,** Influence of graphene size and content on thermal conductivity of novel poly(Lactic) acid nanocomposites, *Comptes Rendus de L'Academie Bulgare des Sciences*, 74(4), pp. 521–528, (2021).
21. **V. Georgiev**, A. Eliyas, G. Tyuliev, T. Batakliev, V. Serga, P. Karakashkova, M. Anachkov & V. Iliev Effect of coupling the TiO_2 and WO_3 loaded with noble metals for UV photodegradation of oxalic acid, assisted by ozone, Environmental Technology, 41:22, 2955-2969, (2020).
22. Meisak, D, Gurnevich, E, Plyushch, A, Bychanok, D, **Georgiev, V**, Kotsilkova, R, Kuzhir, P, Robust design of compact microwave absorbers and waveguide matched loads based on DC-conductive 3D-printable filament, *J. Phys. D: Appl. Phys.* 53, 305301, (2020).
23. Kotsilkova, R.; Ivanov, E.; **Georgiev, V**.; Ivanova, R.; Menseidov, D.; Batakliev, T.; Angelov, V.; Xia, H.; Chen, Y.; Bychanok, D.; et al. Essential Nanostructure Parameters to Govern Reinforcement and Functionality of Poly(lactic) Acid Nanocomposites with Graphene and Carbon Nanotubes for 3D Printing Application. *Polymers* , *12*, 1208, (2020).
24. **Georgiev, V.F.,** Minkovska, S.I., Batakliev, T.T., Karakashkova, P.A., Anachkov, M.P. Efficient squaraine dye photosensitized TiO2/rGO catalyst with enhanced catalytic activity for degradation of Methylene Blue, *Bulgarian Chemical Communications,* 52 (2), 310-315, (2020).

Проекти *Участие в проекти с външно за България финансиране:*

1. European Union's Horizon 2020-MSCA-RISE-734164 Graphene 3D Project 2016 Graphene 3D "Multifunctional Graphene based Nanocomposites with Robust Electromagnetic and Thermal Properties for 3D printing Application" (2017-2021).

2. H2020-FET-Graphene Flagship-881603 Graphene Core 3 (2020-2023).
3. H2020-SGA-FET-GRAPHENE-2017-785219 Graphene Core 2 (2018-2020).
4. Проект BG051PO001-3.3.06-0050 “Създаване на висококвалифицирани специалисти по съвременни материали за опазване на околната среда: от дизайн до иновации” (2012-2015).
5. НАТО, Програмата Наука за мир, NATO SfP 982835 “Наноматериали за процеси на фотохимична и фотоелектрохимична очистка” (2007-2010).

Участие в проекти с национално финансиране:

1. European Regional Development Fund within the OP “Science and Education for Smart Growth 2014-2020”, Project CoE “National center for/of mechatronics and clean technologies”, № BG05M2OP001-1.001-0008-C01.
2. Science and Education for Smart Growth Operational Program (2014-2020), Project № BG05M20P001-1.002-0011 „Centre for Competence MIRACle – Mechatronics, Innovation, Robotics, Automation, Clean Technologies”.
3. Нови полупроводникови материали, активиращи се със слънчева светлина с повишена ефективност във фотокаталитични и усъвършенствани окислителни процеси. Т02/16, Фонд „Научни изследвания”, МОН, 2014-2017г.
4. Наноразмерни фотокатализатори за оползотворяване на слънчева светлина. ДО 012 – 252, Фонд „Научни изследвания”, МОН, 2009-2011г.
5. Озоногенериращи системи- МИЕ-ИАНМСП, 5ИФ-02-57/23.12.08, 2008-2011г.