ОБРАЗЕЦ (по чл. 60, ал. 4, т.8 и чл. 65а, ал.4, т.8 от ПРАС в ЛТУ)

ТАБЛИЦА

за самооценка на съответствието с минималните национални изисквания на **доц. д-р Виктор Петров Савов** за заемане на академична длъжност "професор" по дисциплината „**Технология на материалите от дървесни влакна**“ в научна област **6. Аграрни науки и ветеринарна медицина**, **ПН 6.5. Горско стопанство,** научна специалност **„Технология, механизация и автоматизация на дървообработващата и мебелната промишленост“,** обявен в **ДВ, бр. 26 от 21.03.2023 г.,** код на процедурата: **WWI-P-0223-104**

Таблица 1. Минимални изисквани точки по групи показатели за различните научни степени и академични длъжности за НО 6. Аграрни науки и ветеринарна медицина

Група от показатели	Съдържание	Доктор	Доктор на науките	Главен асистент	Доцент	Професор
А	Показател 1	50	50	50	50	50
Б	Показател 2	-	100	-	-	-
В	Показатели 3 или 4	-	-	-	100	100
Г	Сума от показателите от 5 до 12	30	100	-	200	200
Д	Сума от показателите от 13 до 15	-	100	-	50	100
Е	Сума от показателите от 16 до края	-	-	-	-	100

Таблица 2. Съответствие на точките на кандидата с МНИ

Пока зател	Съдържание	Изисквани точки по показателя	Изисквани точки по групата показатели	Точки на кандидата по показателя	Общ брой точки на кандидата по групи показатели
1	2	3	4	5	6
А1	Дисертационен труд за присъждане на образователна и научна степен „доктор“	50	**50**	50	50
ВСИЧКО ТОЧКИ ПО ГРУПА ПОКАЗАТЕЛИ **„А“**:					**50**
Б2	Дисертационен труд за присъждане на научна степен „доктор на науките“	100	**-**	0	0
ВСИЧКО ТОЧКИ ПО ГРУПА ПОКАЗАТЕЛИ **„Б“**:					0
В3	Хабилитационен труд – монография	100	**100**		
В4	Хабилитационен труд – научни публикации (не по-малко от 10) в издания, които са реферирани и индексирани в световноизвестни бази данни с научна информация	60/n за всяка публикация		170	170
ВСИЧКО ТОЧКИ ПО ГРУПА ПОКАЗАТЕЛИ **„В“**:					**170**
Г5	Публикувана монография, която не е представена като основен хабилитационен труд	100	**200**	0	0
Г6	Публикувана книга на базата на защитен дисертационен труд за присъждане на образователна и научна степен „доктор“ или за присъждане на научна степен „доктор на науките“	40		0	0
Г7	Статии и доклади, публикувани в научни издания, реферирани и индексирани в световноизвестни бази данни с научна информация	30/n или разпределени в съотношение на базата на протокол за приноса		171,56	171,56
Г8	Статии и доклади, публикувани в нереферирани списания с научно рецензиране или публикувани в редактирани колективни томове	10/n или разпределени в съотношение на базата на протокол за приноса		56,97	53,64

Г9	Студии, публикувани в научни издания, реферирани и индексирани в световноизвестни бази данни с научна информация	45/n или разпределени в съотношение на базата на протокол за приноса		0	0
Г10	Студии, публикувани в нереферирани списания с научно рецензиране или публикувани в редактирани колективни томове	15/n или разпределени в съотношение на базата на протокол за приноса		0	0
Г11	Публикувана глава от колективна монография	20/n		20	20
Г12	Създадени линии и сортове, породи/раси животни с n участници	50/n		0	0
			ВСИЧКО ТОЧКИ ПО ГРУПА ПОКАЗАТЕЛИ **„Г“**:		**245,20**
Д13	Цитирания или рецензии в научни издания, реферирани и индексирани в световноизвестни бази данни с научна информация или в монографии и колективни томове	15	**100**	3975	3975
Д14	Цитирания в монографии и колективни томове с научно рецензиране	10		240	240
Д15	Цитирания или рецензии в нереферирани списания с научно рецензиране	5		60	60
			ВСИЧКО ТОЧКИ ПО ГРУПА ПОКАЗАТЕЛИ **„Д“**:		**4275**
Е16	Придобита научна степен „доктор на науките“	40	**100**	0	0
Е17	Ръководство на успешно защитил докторант (n е броят съръководители на съответния докторант)	40/n		0	0
Е18	Участие в национален научен или образователен проект	15		90	105
Е19	Участие в международен научен или образова-телен проект	20		0	0
Е20	Ръководство на национален научен или образователен проект	30		0	30
Е21	Ръководство на международен научен или образователен проект			0	0

		40			
E22	Публикуван университетски учебник или учебник, който се използва в училищната мрежа	40/n		40	40
E23	Публикувано университетско учебно пособие или учебно пособие, което се използва в училищната мрежа	20/n		20	20
E24	Патенти, изобретения, технологии с n участници	50/n		0	0
ВСИЧКО ТОЧКИ ПО ГРУПА ПОКАЗАТЕЛИ **„E“**:					**195**

27.04.2023 г.

Подпис на кандидата: .....

ОБРАЗЕЦ (по чл. 60, ал. 4, т.8 и чл. 65а, ал.4, т.8 от ПРАС в ЛТУ)

Приложение 2

СПИСЪК

на научната и публикационна дейност на **доц. д-р Виктор Петров Савов**, доцент по дисциплината „**Технология на материалите от дървесни влакна“** в научна област **6. Аграрни науки и ветеринарна медицина**, **ПН 6.5 Горско стопанство** във връзка с оценка на съответствието с минималните национални изисквания (МНИ)

№ на показател	Показател	Брой точки за показателя	Брой автори (n)	Брой точки на кандидата
А1	**Дисертационен труд за присъждане на образователна и научна степен „доктор“**	50		
	А1.1. Савов, В. (2010). Изследване на влиянието на режимите на пропарване върху експлоатационните показатели на плочи от дървесни влакна. Защитена през 2010 г. в специализиран научен съвет по Горска промишленост при Висшата Атестационна Комисия по научно направление 02.13.02 „Технология, механизация и автоматизация на дървообработващата и мебелна промишленост”, научен ръководител – проф. д-р Валентин Мирославов Цолов.	50	1	50
		ВСИЧКО ТОЧКИ ПО ГРУПА ПОКАЗАТЕЛИ **„А“**:		**50**
Б2	**Дисертационен труд за присъждане на научна степен „доктор на науките“**	100	–	–
		ВСИЧКО ТОЧКИ ПО ГРУПА ПОКАЗАТЕЛИ **„Б“**:		–
В3	**Хабилитационен труд – монография**	100		
В4	**Хабилитационен труд – научни публикации (не по-малко от 10) в издания, които са реферирани и индексирани в световноизвестни бази данни с научна информация**	**60/n** за всяка публикация	–	–
	В4.1. Savov, V. and Antov, P. (2020). Engineering the Properties of Eco-Friendly Medium Density Fibreboards Bonded with Lignosulfonate Adhesive. Drvna Industrija 71 (2), pp. 157-162. ISSN 0012-6772. https://doi.org/10.55 52/drvind.2020.1968. IF 0,830. SJR 0,284. Квартил Q3.		2	30
	В4.2. Savov, V., Valchev, I. Yavorov, N., Sabev, K. (2020). Influence of press factor and additional thermal treatment on technology for production of eco-friendly MDF based on lignosulfonate adhesives. Bulgarian Chemical Communications, Volume 52, Special Issue B, pp.48-52. https://doi.org/10.34049/bcc.52 B 15. ISSN 0324-1130. SJR 0,140. Квартил Q4.		4	15

	B4.3. Savov, V., Mihajlova, J., Yotov, N., Madjarov, B. (2021). Influence of Hot-Pressing Temperature on Properties of Eco-Friendly Dry-Process Fibreboards with Lignosulfonate Adhesive. Innovations in Woodworking Industry and Engineering Design 1 (19), pp. 29-36. ISSN 1314-6149.		4	15
	B4.4. Savov, V., Valchev, I., Antov, P., Yordanov, I., Popski, Z. (2022). Effect of the Adhesive System on the Properties of Fiberboard Panels Bonded with Hydrolysis Lignin and Phenol-Formaldehyde Resin. Polymers, 14, 1768. MDPI. ISSN 2073-4360. https://doi.org/10.3390/polym14091768. IF: 4.967 (2021); 5-Year Impact Factor: 5.063. Квартил Q1.		5	12
	B4.5. Savov, V., Angelski, D. (2022). Effect of Lignosulfonate Content on the Adhesive Strength at Veneering of Medium Density Fibreboards. Innovations in Woodworking Industry and Engineering Design 11(2), pp. 45-50. ISSN 1314-6149.		2	30
	B4.6. Valchev, I., Yordanov, Y., **Savov, V.**, Antov, P. (2022). Optimization of the Hot-Pressing Regime in the Production of Eco-Friendly Fibreboards Bonded with Hydrolysis Lignin. Periodica Polytechnica Chemical Engineering, 66(1), pp. 125-134. Published Online 26.11.2021. ISSN 1587-3765. https://doi.org/10.3311/PPch.18284.18284. IF: 1,571, 5-Year IF: 1,680. Квартил Q3.		4	15
	B4.7. Antov, P., **Savov, V.**, Neykov, N. (2020). Sustainable Bio-Based Adhesives for Eco-Friendly Wood Composites – A review. Wood Research 65 (1), pp. 51-62. ISSN 1336-4561. https://doi.org/10.37763/wr.1336-4561/65.1.051062. IF 0,740. Квартил Q2.		3	20
	B4.8. Antov, P., **Savov, V.**, Mantanis, G.I., Neykov, N. (2021). Medium-density Fibreboards Bonded with Phenolformaldehyde Resin and Calcium Lignosulfonate as an Eco-friendly Additive. Wood Material Science and Engineering, 16(1), pp.42-48. Taylor & Francis publishing house. ISSN 1748-0280. https://doi.org/10.1080/17480272.2020.1751279. IF 1,265.		4	15
	B4.9. Antov, P. **Savov, V.**, Krišťák, Ľ., Réh, R., Mantanis, G. I. (2021). Eco-Friendly, High-Density Fiberboards Bonded with Urea-Formaldehyde and Ammonium Lignosulfonate. Polymers 13 (2):220. ISSN 2073-4360. https://doi.org/10.3390/polym13020220. IF 4.329. 5-Year IF: 4,493. Квартил Q1.		5	12
	B4.10. Antov, P., **Savov, V.**, Trichkov, N., Krišťák, Ľ., Réh, R., Papadopulus, A. N., Taghiyari, H. R., Pizzi, A., Kunecová, D., Pachikova, M. (2021). Properties of High-Density Fiberboard Bonded with Urea–Formaldehyde Resin and Ammonium Lignosulfonate as a Bio-Based Additive. Polymers 13 (6), 2775. ISSN 2073-4360. https://doi.org/10.3390/polym13162775. IF 4,329. 5-Year IF: 4,493. Квартил Q1.		10	6
		ВСИЧКО ТОЧКИ ПО ГРУПА ПОКАЗАТЕЛИ „В“:		**170**
Г5	**Публикувана монография, която не е представена като основен хабилитационен труд**	100	–	–
	ОБЩО ЗА Г5:		–	**–**

Г6	**Публикувана книга на базата на защитен дисертационен труд за присъждане на образователна и научна степен „доктор“ или за присъждане на научна степен „доктор на науките“**	40		–
Г7	**Статии и доклади, публикувани в научни издания, реферирани и индексирани в световноизвестни бази данни с научна информация**	**30/n** или разпределени в съотношение на базата на протокол за приноса		
	Г7.1. Savov, V. Mihajlova, J. Grigorov, R. Molev, E. (2018). Effect of Participation of Vine Fibers on Some Physical and Mechanical Properties of Fibreboards. Innovation in Woodworking Industry and Engineering Design, Vol.VII. pp. 44-52. ISSN 1314-6149.		4	7,5
	Г7.2. Savov, V., Mihajlova, J., Grigorov, R. (2019). Selected physical and mechanical properties of combined wood based from wood fibres and sawdust. Innovation of woodworking industry and engineering design. Vol. 8(2), pp. 42-48. ISSN 1314-6249.		3	10
	Г7.3. Savov, V. (2020). Engineering of Selected Properties of Light Medium Density Fibreboards Produced from Hardwood Tree Species (2020). Innovation in Woodworking Industry and Engineering Design, 1/2020 (17), pp. 53-59. ISSN 1314-6149.		1	30
	Г7.4. Antov, P., Mantanis, G.I., **Savov, V.** (2020). Development of Wood Composites from Recycled Fibres Bonded with Magnesium Lignosulfonate. Forests 11(6), 613. MDPI, ISSN 1999-4907. https://doi.org/10.3390/f11060613. IF 2.221, 5 Year IF 2,804. Квартил Q1.		3	10
	Г7.5. Antov, P., Jivkov, V., **Savov, V.**, Simeonova, R., Yavorov, N. (2020). Structural Application of Eco-Friendly Composites from Recycled Wood Fibres Bonded with Magnesium Lignosulfonate. Applied Science, 10(21), 7526. MDPI, ISSN 2076-3417. https://doi.org/10.3390/app10217526. IF 2.474, 5 Year IF 2,736. Квартил Q1.		5	6
	Г7.6. Antov, P. **Savov, V.**, Krišťák, Ľ., Neykov, N. (2021). Effect of Hot Pressing Parameters on the Properties of Hardboards Produced from Mixed Hardwood Tree Species. Wood Research 66(3), pp. 437-438. e-ISSN 2729-8906. https://doi.org/10.37763/wr.1336-4561/66.3.437448. IF: 0.688; 5-Year IF: 0,785. Квартил Q2.		4	7,5
	Г7.7. Réh, R., Krišťák, Ľ., Sedliačik, J., Bekhta, P., Božiková, M., Kunecová, D., Vozárová, V,. Tudor, E.M., Antov, P, **Savov, V.** (2021). Utilization of Birch Bark as an Eco-Friendly Filler in Urea-Formaldehyde Adhesives for Plywood Manufacturing. Polymers 13 (4):511. ISSN 2073-4360. https://doi.org/10.3390/polym13040511. IF 4.329. 5-Year IF: 4,493. Квартил Q1.		10	3

	Г7.8. Antov, P., Krišťák, Ľ., Réh, R., **Savov, V.** Papadopulus, A. N. (2021). Eco-Friendly Fiberboard Panels from Recycled Fibers Bonded with Calcium Lignosulfonate. Polymers 13 (4), 639. ISSN 2073-4360. https://doi.org/10.3390/polym13040639. IF 4,329. 5-Year IF: 4,493. Квартил Q1.		5	6
	Г7.9. Bekhta P., Noshchenko G., Réh R., Kristak L., Sedliačik J., Antov P., Mirski R., **Savov V.** (2021). Properties of Eco-Friendly Particleboards Bonded with Lignosulfonate-Urea-Formaldehyde Adhesives and pMDI as a Crosslinker. Materials. 14(17), 4875. ISSN 1996-1944. https://doi.org/10.3390/ma14174875. IF 3,623, 5 Year IF: 3,920. Квартил Q1.		8	3,75
	Г7.10. Handika, S.O., Lubis, M.A.R., Sari, R.K., Laksana, R.P.B., Antov, P., **Savov, V.**, Gajtanska, M., Iswanto, A. H. (2021). Enhancing Thermal and Mechanical Properties of Ramie Fiber via Impregnation by Lignin-Based Polyurethane Resin. Materials 14 (7), 6858. ISSN 1996-1944. https://doi.org/10.3390/ma14226850. IF: 3.623, 5 Year IF: 3.920. Квартил Q1.		8	3,75
	Г7.11. Savov, V., Antov, P., Trichkov, N. (2021). Properties of Hight-Density Fibreboards Bonded with Urea-Formaldehyde and Phenol-Formaldehyde Resins. Innovations in Woodworking Industry and Engineering Design 2 (20), pp. 17-26. ISSN 1314-6149		3	10
	Г7.12. Savov, V., Grigorov, R., Alexandrov, S. (2022). Properties of Particleboards with the Participation of Hemp and Vine Particles in the Core Layer – Part II: Optimisation of the Composition. Innovations in Woodworking Industry and Engineering Design 11 (2), pp. 51-60. ISSN 1314-6149.		3	10
	Г7.13. Iswanto, A.H., Madyaratri, E.W., Hutabarat, N.S., Zunaedi, E.R., Darwis, A., Hidayat, W., Susilowati, A., Adi, D.S., Lubis, M.A.R., Sucipto, T., Fatriasari, W., Antov, P. **Savov, V.**, Hua, L. S. (2022). Chemical, Physical, and Mechanical Properties of Belangke Bamboo (Gigantochloa pruriens) and Its Application as a Reinforcing Material in Particleboard Manufacturing. Polymers, 14, 3111. MDPI. ISSN 2073-4360. https://doi.org/10.3390/polym14153111. IF: 4.967 (2021); 5-Year Impact Factor: 5.063. Квартил Q1.		14	2,14
	Г7.14. Solihat, N. N., Santoso, E. B., Karimah, A., Madyaratri, E. W., Sari, F. P.; Falah, F., Iswanto, A. H., Ismayati, M., Lubis, M.A.R.; Fatriasari, W., Antov, P., **Savov, V.**, Gajtanska, M., Syafii, W. (2022). Physical and Chemical Properties of *Acacia mangium* Lignin Isolated from Pulp Mill Byproduct for Potential Application in Wood Composites. Polymers, 14, 491. MDPI. ISSN 2073-4360. https://doi.org/10.3390/polym14030491. IF: 4.967 (2021); 5-Year Impact Factor: 5.063. Квартил Q1.		14	2,14
	Г7.15. Shahavi, M. H., Selakjani, P. P., Abatari, M. N.; Antov, P., **Savov, V**. (2022). Novel Biodegradable Poly (Lactic Acid)/Wood Leachate Composites: Investigation of Antibacterial, Mechanical, Morphological, and Thermal Properties. Polymers, 14, 1227. MDPI. ISSN 2073-4360. https://doi.org/10.3390/polym14061227. IF: 4.967 (2021); 5-Year Impact Factor: 5.063. Квартил Q1.		5	6

	Г7.16. Kristak, L., Antov, P., Bekhta, P., Libis, M. A. R., Iswanto, A. H., Reh, R., Sedliacik, J., **Savov, V.**, Taghiyari, H. R., Papadopoulos, A. N., Pizzi, A., Hejna, A. (2022). Recent progress in ultra-low formaldehyde emitting adhesive systems and formaldehyde scavengers in wood-based panels: a review. Wood Materials Science and Engineering. Taylor and Francis Publishing House. ISSN 1748-0272. https://doi.org/10.1080/17480272.2022.2056080. IF: 2.732 (2021); 5-Year Impact Factor: 2.353. Квартил Q1.		12	2,50
	Г7.17. Bhakri, S., Ghozali, M., Cahyono, E., Triwulandari, E., Restu, W. K., Solihat, N., N., Iswanto A. H., Antov, P., **Savov, V.**, Hua, L. H., Agustiany, E., A., Kristak, L., Fatriasari, W. (2022). Development and Characterization of Eco-Friendly Non-Isocyanate Urethane Monomer from Jatropha curcas Oil for Wood Composite Applications. Journal of Renewable Materials, 11(1), 41–59. ISSN 2164-6341. https://doi.org/10.32604/jrm.2022.023151. IF: 2.115 (2021); Квартил Q3.		13	2,31
	Г7.18. Mihajlova, J., **Savov, V.,** Simeonov, T. (2022). Effect of the content of Corn Stalk Fibres and Additional Heat Treatment on Properties of Eco-friendly Fibreboards Bonded with Lignosulphonate. Drewno 65 (209). ISSN 1644-3985. https://doi.org/10.12841/wood.1644-3985.395.06. IF. 1,00. Квартил Q3.		3	10
	Г7.19. Taib., M. N. A. M., Antov, P., **Savov, V.**, Fatriasari, W., Madyaratri, E. W., Wirawan, R., Osvaldová, L. M., Hua, L. S., Ghani, M. A. A., Osman Al Edrus, S. S. A., Chen, L. W., Trache, D., Hussin, H. (2022). Current progress of biopolymer-based flame retardant, Polymer Degradation and Stability,205, 110153. ISSN 0141-3910. https://doi.org/10.1016/j.polymdegradstab.2022.110153. IF. 5,204. Квартил Q1.		13	2,31
	Г7.20. Hussin, M., H., Abd Latif, N. H., Hamidon, T. Sh., Idris, N. N., Hashim, R., Appaturi, J. N., Brosse, N., Ziegler-Devin, I., Chrusiel, L., Fatriasari, W., Syamani, F. A., Iswanto, A. H., Hua, L. S., Al Edrus, S. S. A. O., Lum, W. Ch., Antov, P., **Savov, V.**, Lubis, M. A. R., Kristak, L., Reh, R., Sedliavcik, J. (2022). Latest advancements in high-performance bio-based wood adhesives: A critical review. Journal of Material Research and Technology, 21, pp. 3909-3946. Elsevier, ISSN 2238-7854. https://doi.org/10.1016/j.jmrt.2022.10.156. IF: 6.267; CiteScore 5.9. Квартил Q1		21	1,43
	Г7.21. Grigorov, R., **Savov, V.**, Alexandrov, S. (2022). Properties of Particleboards with the Participation of Hemp and Vine particles in the Core Layer – Part I: Effect of the Composition. Innovations in Woodworking Industry and Engineering Design 1 (21), pp. 47-56. ISSN 1314-6149.		3	10
	Г7.22. Panchev, Ch., **Savov, V.** (2022). Recycling of Medium Density Fibreboards – A Review. Innovations in Woodworking Industry and Engineering Design 1 (21), pp. 39-46. ISSN 1314-6149.		2	15
	Г7.23. Savov, V., Antov, P., Zhou, Y., Bekhta, P. (2023). Eco-Friendly Wood Composites: Design, Characterization and Applications. Polymers, 15, 892. https://doi.org/10.3390/polym15040892. IF: 4,967 (2021); 5-Year Impact Factor: 5,063. Квартил Q1.		4	7,5

	Г7.24. Aristri, M.A., Sari, R.K., Lubis, M.A.R., Laksana, R.P.B., Antov, P., Iswanto, A.H., Mardawati, E., Lee, S.H., **Savov, V.**, Kristak, L., Papadopoulos, A.N. (2023). Eco-Friendly Tannin-Based Non-Isocyanate Polyurethane Resins for the Modification of Ramie (*Boehmeria nivea* L.) Fibers. Polymers, 15, 1492. https://doi.org/10.3390/polym15061492. IF: 4,967 (2021); 5-Year Impact Factor: 5,063. Квартил Q1.		11	2,73
	ОБЩО ЗА Г7:			**171,56**
Г8	**Статии и доклади, публикувани в нереферирани списания с научно рецензиране или публикувани в редактирани колективни томове**	**10/n** или разпределени в съотношение на базата на протокол за приноса		
	Г8.1. Savov, V., Ivanova, J. (2016) Influence of the content of corn stalks and phenol-formaldehyde resin on some physical and mechanical properties of very hard fibreboards. Proceedings of 10th international science conference "Chip and chipless woodworking processes", pp 171-179. 08-10 September 2016, Zvolen, Slovakia. ISBN 978-80-228-2143-8 .		2	5
	Г8.2. Yotov, N., **Savov, V**, Valchev, I, Petrin, St., Karatotev, V. (2017). Study on possibility for utilization of technical, hydrolysis, lignin, in composition of medium density fiberboard. Innovation in woodworking industry and engineering design. Vol VI 2/2017. pp. 69-74. ISSN 1314-6149.		5	2
	Г8.3. Savov, V., Mihajlova, J. (2017). Influence of the Content of Lignosulfonate on Physical Properties of Medium Density Fiberboard. PRO LIGNO. Vol. 13 № 4/2017. pp. 247-251. ISSN 2069-7430.		2	5
	Г8.4. Savov, V., Mihajlova, J. (2017). Influence of the Content of Lignosulfonate on Mechanical Properties of Medium Density Fiberboard. PRO LIGNO. Vol. 13 № 4/2017. pp. 2252-256. ISSN 2069-7430.		2	5
	Г8.5. Antov, P., **Savov, V.**, Neykov, N. (2017). Utilization of Agricultural Waste and Wood Industry Residues in the Production of Natural Fiber – Reinforced Composite Materials. International Journal – Wood, Design & Technology, Vol. 6, No. 1, pp 64-71. ISSN 1857 – 9140.		3	3,33
	Г8.6. Mihajlova, J. **Savov, V.** (2017). Analysis of Possibilities for Utilization of Agricultural Lignocellulosic Residuals as Alternative Raw Material for Production of Medium-Density Fibreboards (MDF). International Journal – Wood, Design & Technology, Vol. 6, No. 1, pp. 38-48. ISSN 1857 – 9140.		2	5
	Г.8.7. Antov, P., **Savov, V.**, Neykov, N. (2018). Influence of the Composition on the Exploitation		3	3,33

	Properties of Combined Medium Density Fibreboards Manufactured with Coniferous Wood Residues. European Mechanical Science Journal, Vol. 2(4), pp.140-145, e-ISSN 2587-1110. https://doi.org/10.26701/ems.443891.			
	Г8.8. Mihailova, J., **Savov, V.**, Grigorov, R. (2019). Utilization of Mass of Industrial Hemp in the production of Medium-density Fibreboards. Journal of Anatolian Environmental and Animal Sciences. Year: 4, No: 4, pp. 679-683., e-ISSN 2548-0006 doi.org/10.35229/jaes.637270.		3	3,33
	Г8.9. Antov, P., **Savov, V.,** Neykov, N. (2019). Possibilities for Manufacturing Insulation Boards with Participation of Recycled Lignocellulosic Fibres. Management and Sustainable Development, vol. 75, pp. 72–76. ISSN 1311-4506.		3	3,33
	Г8.10. Mihajlova, J. **Savov, V.,** Grigorov, R. (2018) Effect of Participation of Mass of Maize Stalks on Some Physicomechanical Indicators of Medium-density Fibreboards (MDF). Proceedings of the International Forest Products Congress Trabzon, Turkey, 26-29 September 2018. ORENKO 2018 Paper ID. 85. pp. 425-433. ISBN: 978-605-2271-32-2.		3	3,33
	Г8.11. Antov, P., **Savov, V.** (2019). Possibilities for Manufacturing Eco-friendly Medium Density Fibreboards from Recycled Fibres – a Review. Proceedings of 30th International Conference on Wood Science and Technology - ICWST 2019 "IMPLEMENTATION OF WOOD SCIENCE IN WOODWORKING SECTOR" & 70th Anniversary of Drvna industrija Journal, 12th – 13th December, Zagreb, Croatia, pp. 18-24. ISBN 978-953-292-062-8.		2	5
	Г8.12. Valchev, I., **Savov, V.,** Yordanov, I. (2020). Reduction of Phenol Formaldehyde Resin Content in Dry-Processed Fibreboards by Adding Hydrolysis Lignin. Proceedings of the 2020 Society of Wood Science and Technology International Convention "Renewable Resources for Sustainable and Healthy Future". July 12-15 Portoroz, Slovenia, pp. 592-602. ISBN 978-1-73404-850-6 .		3	3,33
	Г8.13. Antov, P., **Savov, V.,** Neykov, N. (2020). Reduction of Formaldehyde Emission from Engineered Wood Panels by Formaldehyde Scavengers – a Review. Proseedings of the 13th International Scientific Conference WoodEMA2020 and 31st International Scientfic Conference ICWST 2020 "Sustainability of Forest-Based Industries in the Global Economy", pp.289-294. ISBN 978-953-57822-8-5.		3	3,33
	Г8.14. Neykov, N., Antov, P. **Savov, V.** (2020). Circular Economy Opportunities for Economic Efficiency Implement in Wood-Based Panel Industry. Proseedings of the 11th International Scientific Conference "Business and Management 2020" May 7–8, 2020, Vilnius, Lithuania, pp. 8-17. doi.org/10.3846/bm.2020.493. ISBN 978-609-476-231-4.		3	3,33
	ОБЩО ЗА Г8:			**53,64**

Г11	**Публикувана глава от колективна монография**	**20/n**		
	Г11.1. Savov, V. (2023). Nanomaterials to Improve Properties in Wood-Based Composite Panels. In: Taghiyari, H.R., Morrell, J.J., Husen, A. (eds) Emerging Nanomaterials. Springer, Cham. pp. 135-155. ISBN 978-3-031-17377-6. https://doi.org/10.1007/978-3-031-17378-3_5		1	**20**
	ОБЩО ЗА Г11:			**20**
	ВСИЧКО ТОЧКИ ПО ГРУПА ПОКАЗАТЕЛИ „Г“:			**245,2**
Д13	**Цитирания или рецензии в научни издания, реферирани и индексирани в световноизвестни бази данни с научна информация или в монографии и колективни томове**	**15**		
	Д13.1. Antov, P., Mantanis, G.I., **Savov, V.** (2020). Development of Wood Composites from Recycled Fibres Bonded with Magnesium Lignosulfonate. Forests 11(6), 613. MDPI, ISSN 1999-4907. https://doi.org/10.3390/f11060613. IF 2.221, 5 Year IF 2,804. Квартил Q1. **Цитирана в:**			
	Д13.1.1. Mirski, R., Kavarczyk, J., Dziurska, D., Suida, J., Wieruszewski, M. (2020). The Application of Oak Bark Powder as a Filler for Melamine-Urea-Formaldehyde Adhesive in Plywood Manufacturing. Forests 11(12), 1249. MDPI, ISSN 1999-4907. https://doi.org/10.3390/f11121249. IF: 2,634, 5-Year IF: 2,804. Квартил Q1.			15
	Д13.1.2. Kubovský, I., Krišťák, Ľ., Suja, J., Gajtanska, M., Igaz, R., Ružiak, I., Réh, R. (2020) Optimization of Parameters for the Cutting of Wood-Based Materials by a CO2 Laser. Applied Sciences 10(22), 8113. MDPI, ISSN 2076-3417. https://doi.org/10.3390/app10228113. IF 2.474, 5 Year IF 2,736, Квартил Q2.			15
	Д13.1.3. Aries, A., González-Rodríguez, S., Barros, M. V., Salvador, R., Carlos de Francisco, A., Piekarski, C. M., Moreira, M. T. (2021). Journal of Cleaner Production 314 (10) 127892, Elsevier, ISSN 0959-6526. https://doi.org/10.1016/j.jclepro.2021.127892. IF 9,297; 5 Years IF 8,41. Квартил Q1.			15
	Д13.1.4. Xiang, D., Shen, F., Jiang, X., An, H., Zheng, H., Gao, Q. (2021). Pyrolysis Characteristics of Industrial Lignin for Use as a Reductant and an Energy Source for Future Iron Making. ACS Omega 6 (5), pp. 3578-3586. ISSN 2470-1343. https://dx.doi.org/10.1021/acsomega.0c05052. IF: 2,870, 5 Year IF: 3,022. Квартил Q1.			15
	Д13.1.5. Krišťák Ľ, Réh R. (2021). Application of Wood Composites. Applied Sciences. 11(8), 3479. MDPI. https://doi.org/10.3390/app11083479. ISSN: 2076-3417. IF: 2,679, 5 Year IF: 2,736. Квартил Q1.			15
	Д13.1.6. Mirski R., Dukarska D., Walkiewicz J., Derkowski A. (2021). Waste Wood Particles from			15

	Primary Wood Processing as a Filler of Insulation PUR Foams. Materials 14(17), 4781. ISSN: 1996-1944. MDPI. https://doi.org/10.3390/ma14174781. IF: 3,623, 5 Year IF: 3,920. Квартил Q1.			
	Д13.1.7. Gößwald J., Barbu M.C., Petutschnigg A., Krišťák Ľ., Tudor E.M. (2021). Oversized Planer Shavings for the Core Layer of Lightweight Particleboard. Polymers 13(7),1125. MDPI. ISSN: 2073-4360. https://doi.org/10.3390/polym13071125. IF: 4,329, 5 Year IF: 4,493. Квартил Q1.			15
	Д13.1.8. Kristak L., Ruziak I., Tudor E.M., Barbu M.C., Kain G., Reh R. (2021). Thermophysical Properties of Larch Bark Composite Panels. Polymers. 13(14),2287. MDPI. ISSN 2073-4360. https://doi.org/10.3390/polym13142287. IF: 4,329, 5 Year IF: 4,493. Квартил Q1.			15
	Д13.1.9. Thang, N. H., Huyen, N. T. B. (2022). Fabrication of Transparent Composites from Pinaceae Wood Packaging Residues, Periodica Polytechnica Chemical Engineering, 66(1), pp. 135–146, Published online 26.11.21. https://doi.org/10.3311/PPch.18011. ISSN 15873765. IF 1,571. Квартил Q3.			15
	Д13.1.10. Balea Paul, G., Timar, M.C., Zeleniuc, O., Lunguleasa, A., Cosereanu, C. (2021). Mechanical Properties and Formaldehyde Release of Particleboard Made with Lignin-Based Adhesives. Applied Science 11(18), 8720. MDPI. ISSN: 2076-3417. https://doi.org/10.3390/app11188720. IF 2,679, 5-Year IF 2,736. Квартил Q1.			15
	Д13.1.11. Reinprecht, L. and Iždinský, J. (2022). Composites from Recycled and Modified Woods - Technology, Properties, Application. Forests 13(1), 6. Published online 21.12.2021. MDPI, ISSN 1999-4907. https://doi.org/10.3390/f13010006. IF: 2,634, 5-Year IF: 2,804. Квартил Q1.			15
	Д13.1.12. Hejna, A. (2021). More than just a beer - the potential applications of by-products from beer manufacturing in polymer technology. Emergent Materials. Springer. ISSN: 2522-574X. https://doi.org/10.1007/s42247-021-00304-4. IF 1,096. Квартил Q4.			15
	Д13.1.13. Gonçalves, S., Ferra, J., Paiva, N., Martins, J., Carvalho, L.H., Magalhães, F.D. (2021). Lignosulphonates as an Alternative to Non-Renewable Binders in Wood-Based Materials. Polymers 13(23), 4196. MDPI. ISSN 2073-4360. https://doi.org/10.3390/polym13234196. IF: 4,329, 5 Year IF: 4,493. Квартил Q1.			15
	Д13.1.14. Foti, D., Voulgaridou, E. E., Karastergiou, S., Taghiyari, H. R., Papadopoulos, A. N. (2021). Physical and Mechanical Properties of Eco-Friendly Composites Made from Wood Dust and Recycled Polystyrene. Journal of Renewable Materials, 10(1), pp. 75-88. https://doi.org/10.32604/jrm.2022.017759. Tech Science Press, ISSN 2164-6341. IF: 1,67. Квартил Q1.			15
	Д13.1.15. Kawalerczyk, J., Suida, J., Dzuirska, D., Mirski, R., Wozniak, M., Stuper-Szablewska, K. (2021). The Soy Flour as an Extender for UF and MUF Adhesives in Birch Plywood Production. Wood Research, 66(6), pp. 1015-1031. https://doi.org/10.37763/wr.1336-4561/66.6.10151031. e-ISSN			15

	2729-8906. 5-Year IF: 0,785. Квартил Q2.			
	Д13.1.16. Sedliačiková, M., Aláč, P., Moresová, M., Sedliačik, I. (2021). Mapping the Wood Colour Preferences Among Potential Customers. Acta Facultatis Xylologiae Zvolen, 63 (2), pp. 163−173. https://doi.org/10.17423/afx.2021.63.2.14. ISSN 13363824.			15
	Д13.1.17. Balea, G., Lunguleasa, A., Zeleniuc, O., Coşereanu, C. (2022). Three Adhesive Recipes Based on Magnesium Lignosulfonate Used to Manufacture Particleboards with Low Formaldehyde Emissions and Good Mechanical Properties. Forests , 13, 737. MDPI. https://doi.org/10.3390/f13050737. ISSN 1999-4907. IF 3,284, CiteScore 4,0.			15
	Д13.1.18. Ma, Y., Luo, Y., Zhang, Q., Gao, Y., Li, J., Shah, S., Wang, X., Zhang, X. (2022). Biodegradable Films Prepared from Pulp Lignocellulose Adhesives of Urea Formaldehyde Resin Modified by Biosulfonate. Polymers, 14, 2863. https://doi.org/10.3390/polym14142863. MDPI. ISSN 2073-4360. IF 4,967; 5-Year Impact Factor: 5,063. Квартил Q1.			15
	Д13.2. Antov, P., **Savov, V.**, Neykov, N. (2020). Sustainable Bio-Based Adhesives for Eco-Friendly Wood Composites – A review. Wood Research 65 (1), pp. 51-62. ISSN 1336-4561. https://doi.org/10.37763/wr.1336-4561/65.1.051062. IF 0,740. Квартил Q2. **Цитирана в:**			
	Д13.2.1. Ihnat, V., Lübke, H. (2020). Size Reduction Downcycling of Waste Wood – Review. Wood Research 65 (2), pp. 205-220. https://doi.org/ 10.37763/wr.1336-4561/65.2.205220. ISSN 1336-4561. IF 0,642; Квартил Q2.			15
	Д13.2.2. Bekhta, P., Sedliačik, J., Bekhta, N. (2020). Effects of Selected Parameters on the Bonding Quality and Temperature Evolution Inside Plywood During Pressing, Polymers, 12, 1035. MDPI, ISSN 2073-4360. https://doi:10.3390/polym12051035. IF: 4,329, 5 Year IF 4,493. Квартил Q1.			15
	Д13.2.3. Owodunni, A.A., Lamaming, J., Hashim, R., Taiwo, O.F.A., Hussin, M.H., Kassim, M.H.M., Sulaiman, Y.B.O, Amini, M.H.M., Hiziroglu, S. (2020) Adhesive application on particleboard from natural fibers: A review. Polymer Composites, pp. 1–13. ISSN 1548-0569. https://doi.org/10.1002/pc.25749. IF 3,171.Квартил Q3.			15
	Д13.2.4. Huang, H., Hsu, C., Hsu, P.; Cho, Y.; Chou, T.; Cheng, Y. (2020). Preparation and evaluation of particleboard from insect rearing residue and rice husks using starch/citric acid mixture as a natural binder. Biomass Conversion and Biorefinery. Springer. https://doi.org/10.1007/s13399-020-00994-6; IF 4,987. ISSN 2190-6823. Квартил Q1.			15
	Д13.2.5. Ravindra V. Gadhave, M., Vineeth S.K., Pritam V. Dhawale, Pradeep T. Gadekar (2020). Effect of boric acid on poly vinyl alcohol-tannin blend and its application as water-based wood adhesive. Designed Monomers and Polymers, 23(1), pp. 188-196. Taylor and Francis, ISSN 1568-5551. https://doi.org/10.1080/15685551.2020.1826124. IF: 1,750.			15

	Д13.2.6. Lubke, H., Ihnát, V., Kuňa, V., Balberčák, J. (2020). A Multi-stage Cascade Use of Wood Composite Boards. Wood research 65(5), pp.843-854. https://doi.org/10.37763/wr.1336-4561/65.5.843854. ISSN 1336-4561 IF 0,642; Квартил Q2.			15
	Д13.2.7. Espinosa, E., Tarrés, Q., Theng, D., Delagdo-Aguilar, M., Rodríguez, A., Mutjé, P. (2021). Effect of enzymatic treatment (endo-glucanases) of fiber and mechanical lignocellulose nanofibers addition on physical and mechanical properties of binderless high-density fiberboards made from wheat straw. Journal of Building Engineering, Vol. 44, Article ID 103392. Elsevier, ISSN: 2352-7102. https://doi.org/10.1016/j.jobe.2021.103392. IF 5,318., Квартил Q1.			15
	Д13.2.8. Koynov, D., Grigorov, R., Valyova, M. (2022). A Novel Method for Producing a Glulam from the Wood of Peeler Cores. Maderas Ciencia Y Technologia, 24(4), p. 11. Published online 2021. ISSN-E 0718-221X, https://doi.org/10.4067/S0718-221X2022005XXXXXX. IF: 1,5. SJR 0,5. Кватрил Q3.			15
	Д13.2.9. Thang, N. H., Huyen, N. T. B. (2022). Fabrication of Transparent Composites from Pinaceae Wood Packaging Residues, Periodica Polytechnica Chemical Engineering, 66(1), pp. 135–146, Published online 26.11.21. https://doi.org/10.3311/PPch.18011. ISSN 15873765. IF 1,571. Квартил Q3.			15
	Д13.2.10. Sedliačiková, M., Kánová, M., Drábek, J. (2021). Behavioral Aspects of Financial Decision-Making Process of Managers in Wood-Processing Enterprises. Drvna Industria, 72(4), pp. 389-401. ISSN 0012-6772. IF 0,940, SJR 0,29. https://doi.org/10.5552/drvind.2021.2047. Квартил Q3.			15
	Д13.2.11. Balea Paul, G., Timar, M.C., Zeleniuc, O., Lunguleasa, A., Cosereanu, C. (2021). Mechanical Properties and Formaldehyde Release of Particleboard Made with Lignin-Based Adhesives. Applied Science 11(18), 8720. MDPI, ISSN 2076-3417. https://doi.org/10.3390/app11188720. IF 2,679, 5-Year IF 2,736. Квартил Q1.			15
	Д13.2.12. Mawardi, I., Aprilia, S., Faisal, M., Rizal, S. (2021). Characterization of Thermal Bio-Insulation Materials Based on Oil Palm Wood: The Effect of Hybridization and Particle Size. Polymers, 13(19), 3287. MDPI, ISSN 2073-4360. https://doi.org/10.3390/polym13193287. IF 4,329, 5 Year IF 4,493. Квартил Q1.			15
	Д13.2.13. Sedliačiková, M., Moresová, M., Kocianová, A. (2021). Mapping the Supply of Colour Tones of Wood and Furniture Products in Slovakian Small and Medium-Sized Enterprises. Forest 12(12), 1775. MDPI, ISSN 1999-4907. https://doi.org/10.3390/f12121775. IF: 2,634, 5-Year IF: 2,804. Квартил Q1.			15
	Д13.2.14. Kawalerczyk, J., Suida, J., Dzuirska, D., Mirski, R., Wozniak, M., Stuper-Szablewska, K. (2021). The Soy Flour as an Extender for UF and MUF Adhesives in Birch Plywood Production.			15

	Wood Research, 66(6), pp. 1015-1031. https://doi.org/10.37763/wr.1336-4561/66.6.10151031. e-ISSN 2729-8906. 5-Year IF: 0,785. Квартил Q2.			
	Д13.2.15. Ramesh, M., Rajeshkumar, L., Sasikala, G., Balaji, D., Saravanakumar, A., Bhuvaneswari, V., Bhoopathi, R. A. (2022). Critical Review on Wood-Based Polymer Composites: Processing, Properties, and Prospects. Polymers, 14, 589. MDPI. https://doi.org/10.3390/polym14030589. ISSN 2073-4360. IF 4,967; 5-Year Impact Factor: 5,063. Квартил Q1.			15
	Д13.2.16. Kawalerczyk, J., Walkiewicz, J., Dziurka, D., Mirski, R., Brózdowski, J. (2022). APTES-Modified Nanocellulose as the Formaldehyde Scavenger for UF Adhesive-Bonded Particleboard and Strawboard. Polymers, 14, 5037. MDPI. https://doi.org/10.3390/polym14225037. ISSN 2073-4360. IF 4,967; 5-Year Impact Factor: 5,063. Квартил Q1.			15
	Д13.2.17. Soubam, T., Gupta, A., Sharma, S., Jamari, S.Sh. (2022). Mechanical property study of plywood bonded with dimethylol dihydroxy ethylene urea crosslinked rice starch- natural rubber latex-based adhesive. Materials Today: Proceedings, Volume 68, Part 4, Pages 756-759. Elsevier. ISSN 2214-7853. https://doi.org/10.1016/j.matpr.2022.06.137. SJR 0,355, CitreScore 2,3.			15
	Д13.2.18. Silva, B.R.F., Ucella-Filho, J.G.M., Costa de Souza, E., Negreiros da Costa, T.L., Barbosa de Azevêdo, T.K., Mori, F.A., Pimenta, A.S. (2022). Properties of cross-laminated timber bonded with an adhesive based on tannins from the bark of Mimosa tenuiflora trees. Revista Árvore v. 46. ISSN 1806-9088. https://doi.org/10.1590/1806-908820220000020. IF 0,795, 5-Year Impact Factor 0,972.			15
	Д13.2.19. Phuah, Z.Y., Ng, P.K., Lim, B.K., Nathan, R.J., Ng, Y.J., Yeow, J.A. (2022). The Conceptualisation of Inventive and Repurposable Children's Furniture. Forests, 13, 2053. https://doi.org/10.3390/f13122053. ISSN 1999-4907. IF 3,284, CiteScore 4,0.			15
	Д13.2.20. Ding, Y., Pang, Zh., Lan, K., Yao, Y., Guido Panzarasa, G., Xu, L., Ricco, M.L., Rammer, D.R., Zhu, J.Y., Hu, M., Pan, X., Li, T., Burgert, I., Liangbing Hu, L. (2022). Emerging Engineered Wood for Building Applications. Chem. Rev., ACS, Publication Date:October 19, 2022. ISSN 1520-6890 . https://doi.org/10.1021/acs.chemrev.2c00450. IF 72.087, CiteScore 98.8.			15
	Д13.2.21. Akinyemi, B.A., Kolajo, T.E. & Adedolu, O. (2022). Blended formaldehyde adhesive bonded particleboards made from groundnut shell and rice husk wastes. Clean Techn. Environ. Policy 24, pp. 1653–1662. Springer Nature. ISSN 1618954X. https://doi.org/10.1007/s10098-021-02270-1. IF 4,700, 5-Year IF 3,984.			15
	Д13.2.22. Paul, R., John, B., Sahoo, S.K. (2022). UV-Curable Bio-Based Pressure-Sensitive Adhesives: Tuning the Properties by Incorporating Liquid-Phase Alkali Lignin-Acrylates. Biomacromolecules 23, (3), pp. 816–828. ACS Publications. https://doi.org/10.1021/acs.biomac.1c01249. ISSN 1526-4602 F 6,978, CiteScore 11,3.			15
	Д13.2.23. Gabriel, V.A., Dubé, M.A. (2022). Toward a Fully Biobased Pressure-Sensitive Adhesive.			15

	Industrial & Engineering Chemistry Research Article ASAP https://doi.org/10.1021/acs.iecr.2c03756. ISSN 1520-5045. IF 4,326, CiteScore 6,6.			
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	Д15.8. Antov, P., **Savov, V.**, Neykov, N. (2020). Sustainable Bio-Based Adhesives for Eco-Friendly Wood Composites – A review. Wood Research 65 (1), pp. 51-62. ISSN 1336-4561. https://doi.org/10.37763/wr.1336-4561/65.1.051062. IF 0,740. Квартил Q2. **Цитирана в:**			
	Д15.8.1. Maria, J. H., Ito, H., Kenta, S., Balquis, H., Okamoto, M., Volova, T., Kalarickal, N., Thomas, S., Goda, K. (2020). The role of milling time on the morphological and mechanical properties of wood flour and their polypropylene composites. Funcional Compisits and Struktures . Volume 2, Number 3 (2020) 035007. https://doi.org/10.1088/2631-6331/abb533.			5
	Д15.8.2. Aristri, M.A., Lubis, M.A.R., Laksana, R.P.B., Falah, F., Fatriasari, W., Ismayati, M., Wulandari, A.P., Nurindah, N., Ridho, M.R. (2021). Bio-Polyurethane Resins Derived from Liquid Fractions of Lignin for the Modification of Ramie Fibers. Journal Silva Lestari, 9(2). pp. 223-238. E-ISSN: 2549-5747. https://doi.org/10.23960/jsl29223-238.			5
	Д15.8.3. Dawood, F., Bdaiwi, W. (2021). Manufacture of wood processor from unsaturated polyester foam and walnut husk waste. Design Engineering, 7, pp. 2648- 2663. ISSN: 0011-9342.			5
			ВСИЧКО ТОЧКИ ПО ГРУПА ПОКАЗАТЕЛИ „Д“:	**4275**

Е16	**Придобита научна степен „доктор на науките”**	**40**		–
Е17	**Ръководство на успешно защитил докторант (n е броят ръководители на съответния докторант)**	**40/n**		–
Е18	**Участие в национален научен или образователен проект**	**15**		
	Е 18.1. Проект BG051PO001-3.3.07-0002 „СТУДЕНТСКИ ПРАКТИКИ“ (с финансовата подкрепа на Оперативна програма „Развитие на човешките ресурси”, съфинансиран от Европейския социален фонд на Европейския съюз). **Позиция по проекта** - академичен наставник.			15
	Е 18.2. Проект BG05M2OP001-2.009-0034 „Подкрепа за развитието на научният капацитет в лесотехнически университет”. **Позиция по проекта** - Лектор за популялизиране на науката.			15
	Е18.3. Проект НИФ – 7ИФ-02-23 „Разработване на иновативна технология за производство на олекотени мебелни плочи с вложки от полимерен материал”. Ръководител от страната партнъор ЛТУ – проф. д-р Веселин Стаменов Брезин.			15
	Е18.4. Проект КП-06-КОСТ/1 „Проучване на потенциала на лигнинови суровини в България и разработване на технологии за тяхното модифициране и ефективно прилагане в индустрията”, с ръководител проф. д-р Иво Владимиров Вълчев, финансиран от ФНИ на р. България.			15
	Е18.5. Проект НИС-ЛТУ 153/08.03.2017 „Влияние на съдържанието на недървесна лигноцелулозна суровина и лигносулфонат в състава на ПДВ със средна плътност (MDF) върху експлоатационните им показатели“, с ръководител доц. д-р Юлия Димитрова Михайлова, финансиран от НИС на ЛТУ.			15
	Е18.6. Проект НИС-Б-1002/03.2019 „Изследване на експлоатационните показатели и възможностите за употреба ба екологични биокомпозитни материали”, с ръководител доц. д-р Петър Йорданов Антов, финансиран от НИС на ЛТУ.			15
	Е 18.7. Проект НИС-Б-1145/04.2021 „Получаване, свойства и приложение на екологични дървесни композити”, с ръководител доц. д-р Петър Йорданов Антов, финансиран от НИС на ЛТУ.			15
Е19	**Участие в международен научен или образователе проект**	**20**		–
Е20	**Ръководство на национален научен или образователе проект**	**30**		
	Е 20.1. Проект НИС-Б-1215/27.04.2022 г. на тема „Експлоатационни показатели и приложимост в мебелното производство на иновативни биокомпозитни материали“, финансиран от НИС на ЛТУ.			30
Е21	**Ръководство на международен научен или образователе проект**	**40**		–
Е22	**Публикуван университетски учебник или учебник, който се използва в училищната мрежа**	**40/n**		

	Е22.1. Савов, В. (2021). Учебник по Технология на материалите от дървесни влакна. Интел Ентранс, стр. 290. ISBN 978-619-7554-86-1. Рецензенти – проф. д-р Иво Владимиров Вълчев; доц. д-р Петър Йорданов Антов.		40	40
Е23	**Публикувано университетско пособие или учебно пособие, който се използва в училищната мрежа**	**20/n**		
	Е 22.2. Савов, В. (2020). Ръководство за упражнения по Технология на материалите от дървесни влакна. Интел Ентранс, стр. 102. ISBN 978-619-7554-05-2. Рецензенти – проф. дтн. Николай Асенов Йосифов; доц. д-р Иво Владимиров Вълчев.			20
Е24	**Патенти, изобретения, технологии с n участници**	**50/n**		–
			ВСИЧКО ТОЧКИ ПО ГРУПА ПОКАЗАТЕЛИ **„Е“**:	**195**

Дата: 27.04.2023 г. **Подпис на кандидата:**