

## СПИСЪК

на цитиранията за участие в конкурса на научните публикации;  
доц. д-р инж. Радан Иванов Иванов

I. Цитирания в научни издания, реферирани и индексирани в световноизвестни бази данни с научна информация (Scopus, WoS).

4. Johnson R., **Ivanov R.**, Local effects of concentrated longitudinal shear in composite bridge beams, The Structural Engineer, Vol. 79, No 5, 2001, pp.19-23

### Цитирана в:

1. Machacek, J., Charvat, M., Study on shear connection of bridge steel truss and concrete slab deck (2017) Journal of Civil Engineering and Management, 23 (1), pp. 105-112.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84969902556&doi=10.3846%2f13923730.2014.976258&partnerID=40&md5=74f137221b12f93019bb827f7780c0fc>

DOI: 10.3846/13923730.2014.976258

2. Charvát, M., Macháček, J., Shear connection of composite steel and concrete bridge trusses (2013) Structures and Architecture: Concepts, Applications and Challenges - Proceedings of the 2nd International Conference on Structures and Architecture, ICSA 2013, pp. 1466-1473.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84887987429&partnerID=40&md5=bbadd2896eb0b12cf42c6936a99804de>

DOI: 10.1201/b15267-204

3. Machacek, J., Charvat, M., Design of shear connection between steel truss and concrete slab (2013) Procedia Engineering, 57, pp. 722-729.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84891720334&doi=10.1016%2fj.proeng.2013.04.091&partnerID=40&md5=9aaec2f03575d7ce599146b53ddf0b0d>

DOI: 10.1016/j.proeng.2013.04.091

4. Machacek, J., Cudejko, M., Composite steel and concrete bridge trusses (2011) Engineering Structures, 33 (12), pp. 3136-3142

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-80053349665&doi=10.1016%2fj.engstruct.2011.08.017&partnerID=40&md5=3cd49362c047792b31158018fa9d2973>

DOI: 10.1016/j.engstruct.2011.08.017

5. Machacek, J., Cudejko, M., Steel and concrete composite bridge trusses (2011) 10th International Conference on Steel Space and Composite Structures, pp. 229-234.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84905827281&partnerID=40&md5=eeb9d7b3bee4bfda8b21ab68b67bd124>

6. Machacek, J., Cudejko, M., Shear connection in steel and concrete composite trusses (2010) Proceedings of SDSS' Rio 2010: International Colloquium Stability and Ductility of Steel Structures, 2, pp. 847-854

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84880067262&partnerID=40&md5=f2e8b24b1c25bb0005c830178e45a558>

7. Machacek, J., Cudejko, M., Longitudinal shear in composite steel and concrete trusses (2009) Engineering Structures, 31 (6), pp. 1313-1320

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-67349268979&doi=10.1016%2fj.engstruct.2008.07.009&partnerID=40&md5=035c3098cce3058e47f4d1664929aa64>

DOI: 10.1016/j.engstruct.2008.07.009

8. Machacek, J., Cudejko, M., Shear connection in composite trusses (2007) Proceedings of the 9th International Conference on Steel, Space and Composite Structures, pp. 571-579

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84902313092&partnerID=40&md5=b17f450dbae52c1bcd45915c545157e>

18. Takada S., **Ivanov R.**, Numerical Simulation of the Behaviour of Buried Jointed Pipelines under Extremely Large Fault Displacements, Proceedings: TCLEE 2003 Conference, Long Beach, USA, 2003, pp. 717-726

Цитирана в:

1. Liu, W., Miao, H., Wang, C., Li, J., The stiffness of axial pipe-soil springs and axial joint springs tested by artificial earthquakes (2018) Soil Dynamics and Earthquake Engineering, 106, pp. 41-52

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85038213754&doi=10.1016%2fj.soildyn.2017.12.014&partnerID=40&md5=7d812af8a6e83d1bc2661cfd1b896a1>

DOI: 10.1016/j.soildyn.2017.12.014

2. Miao, H., Liu, W., Wang, C., Li, J., Artificial earthquake test of gas supply networks (2016) Soil Dynamics and Earthquake Engineering, 90, pp. 510-520

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84988961058&doi=10.1016%2fj.soildyn.2016.09.022&partnerID=40&md5=3670f35191868ef22f24af273c9d48a6>

DOI: 10.1016/j.soildyn.2016.09.022

3. Liu Wei, Miao Huiquan, Wang Chuang and Li Jie "Test on a buried pipe network subjected to an artificial earthquake produced by multi-millisecond blasting". Earthquake Engineering and Engineering Vibration. 19, 791–810, 2020, [Линк](#)

[https://www.scopus.com/record/display.uri?eid=2-s2.0-85087989593&origin=resultslist&sort=plf-f&cite=2-s2.0-0242637404&src=s&imp=t&sid=7bbd0593846a2aee036f3edd8e5b7694&sot=cite&sdt=a&sl=0&relpos=0&citeCnt=4&searchTerm=&featureToggles=FEATURE\\_NEW\\_DOC\\_DETAILS\\_EXPORT:1](https://www.scopus.com/record/display.uri?eid=2-s2.0-85087989593&origin=resultslist&sort=plf-f&cite=2-s2.0-0242637404&src=s&imp=t&sid=7bbd0593846a2aee036f3edd8e5b7694&sot=cite&sdt=a&sl=0&relpos=0&citeCnt=4&searchTerm=&featureToggles=FEATURE_NEW_DOC_DETAILS_EXPORT:1)

DOI: 10.1007/s11803-020-0596-4

4. Gersena Banushi and Brad Wham. "Deformation capacity of buried hybrid-segmented pipelines under longitudinal permanent ground deformation". Canadian Geotechnical Journal. 58.8, 2021, [Линк](#)

[https://www.scopus.com/record/display.uri?eid=2-s2.0-85112308591&origin=resultslist&sort=plf-f&featureToggles=FEATURE\\_NEW\\_DOC\\_DETAILS\\_EXPORT:1](https://www.scopus.com/record/display.uri?eid=2-s2.0-85112308591&origin=resultslist&sort=plf-f&featureToggles=FEATURE_NEW_DOC_DETAILS_EXPORT:1)

DOI: 10.1139/cgj-2020-0049

20. **Ivanov R.**, Takada S., Analysis of jointed pipelines crossing faults by a purpose-made specialized program, Report of the Research Center for Urban Safety and Security; Kobe University, Japan, 2003, pp. 203-212

Цитирана в:

1. Erami, M.H., Miyajima, M., Kaneko, S., Toshima, T., Kishi, S. Pipe-soil interaction for segmented buried pipelines subjected to dip faults (2015) Earthquake Engineering and Structural Dynamics, 44 (3), pp. 403-417  
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84961304646&doi=10.1002%2feqe.2476&partnerID=40&md5=c55714741439bfe960e1e91cf941a30a>  
 DOI: 10.1002/eqe.2476

**25. Ivanov R.,** Takada S., Assessment of the vulnerability of jointed D.I.P. crossing active faults, Proceedings: 27th JSCE Earthquake Engineering Symposium, Japan; 2003, on CD

Цитирана в:

1. Erami, M.H., Miyajima, M., Kaneko, S., Toshima, T., Kishi, S., Pipe-soil interaction for segmented buried pipelines subjected to dip faults (2015) Earthquake Engineering and Structural Dynamics, 44 (3), pp. 403-417  
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84961304646&doi=10.1002%2feqe.2476&partnerID=40&md5=c55714741439bfe960e1e91cf941a30a>  
 DOI: 10.1002/eqe.2476

2. Chen, Q., Ni, P. Three-dimensional modeling of joint kinematic of ductile iron pipelines subjected to normal faulting, (2023), Tunnelling and Underground Space Technology, 132, 104863  
<https://www.scopus.com/pages/publications/85142769959>  
 DOI: 10.1016/j.tust.2022.104863

**27. Ivanov R.,** Takada S., Morita N., Analytical assessment of the vulnerability of underground jointed PVC pipelines to fault displacements, Proceedings: 13th World Conference on Earthquake Engineering, Canada; 2004, on CD

Цитирана в:

1. Rahman, M.A., Taniyama, H., Analysis of a buried pipeline subjected to fault displacement: A DEM and FEM study, Soil Dynamics and Earthquake Engineering, Vol. 71, 2015, pp. 49-62  
[https://www.scopus.com/record/display.uri?eid=2-s2.0-84922479077&origin=resultslist&sort=plf-f&featureToggles=FEATURE\\_NEW\\_DOC\\_DETAILS\\_EXPORT:1](https://www.scopus.com/record/display.uri?eid=2-s2.0-84922479077&origin=resultslist&sort=plf-f&featureToggles=FEATURE_NEW_DOC_DETAILS_EXPORT:1)  
<https://www.sciencedirect.com/science/article/pii/S0267726115000147>  
 DOI: 10.1016/j.soildyn.2015.01.011

2. Liu, A. W., Hou, B. W., Liu, J., & Wang, Y. D. (2016). Rapid seismic disaster assessment of oil and gas pipeline based on the Shakemap. Proceedings of the 7th China-Japan-US Trilateral Symposium on Lifeline Earthquake Engineering, 272-277  
[https://www.scopus.com/record/display.uri?eid=2-s2.0-85029416574&origin=resultslist&sort=plf-f&src=s&nlo=&nlr=&nls=&sid=1274f229d61d19f6c1b75f3772609faf&sot=aut&sdt=a&sl=17&s=AU-ID%288579531900%29&relpos=23&citeCnt=0&searchTerm=&featureToggles=FEATURE\\_NEW\\_DOC\\_DETAILS\\_EXPORT:1](https://www.scopus.com/record/display.uri?eid=2-s2.0-85029416574&origin=resultslist&sort=plf-f&src=s&nlo=&nlr=&nls=&sid=1274f229d61d19f6c1b75f3772609faf&sot=aut&sdt=a&sl=17&s=AU-ID%288579531900%29&relpos=23&citeCnt=0&searchTerm=&featureToggles=FEATURE_NEW_DOC_DETAILS_EXPORT:1)  
 DOI: 10.1061/9780784480342.037

**32.** Kuwata Y., Takada S., **Ivanov R.**, Estimation of allowable fault displacements for pipelines and countermeasures, Proceedings: Pipelines 2005, ASCE, Reston, USA, 2005, pp. 674-685

Цитирана в:

1. Yarlagadda, R., Badar, M.A., Blyukher, B., A review on oil and gas pipeline safety (2007) ASME International Mechanical Engineering Congress and Exposition, Proceedings (IMECE), 7, pp. 739-750

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-44249092808&doi=10.1115%2fIMECE2007-43941&partnerID=40&md5=5cd0e6c5ddf3a8a6aab07832f272832f>  
DOI: 10.1115/IMECE2007-43941

2. Chen, Q., Ni, P., Qin, X. Numerical investigation on failure modes of bell-spigot jointed ductile iron pipelines subjected to dip-slip faults with different dip angles (2023) Tunnelling and Underground Space Technology, 133, 104982

<https://www.scopus.com/pages/publications/85146055476>  
DOI: 10.1016/j.tust.2023.104982

3. Chen, Q., Ni, P. Three-dimensional modeling of joint kinematic of ductile iron pipelines subjected to normal faulting, (2023), Tunnelling and Underground Space Technology, 132, 104863

<https://www.scopus.com/pages/publications/85142769959>  
DOI: 10.1016/j.tust.2022.104863

**43.** Kuwata Y., Takada S., **Ivanov R.**, DEM Response Analysis of Buried Pipelines Crossing Faults and Proposal for a Simplified Method to Estimate Allowable Fault Displacements, Journal of Seismology and Earthquake Engineering, Iran, Vol. 8, No. 4, 2007, pp. 195-202

Цитирана в:

1. Eshiet, K.I.-I., Welch, M., Sheng, Y., Numerical modelling to predict fracturing rock (Thanet chalk) due to naturally occurring faults and fluid pressure (2018) Journal of Structural Geology, 116, pp. 12-33

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85051653208&doi=10.1016%2fj.jsg.2018.07.021&partnerID=40&md5=faaec5fb8b2c7dd094910c6f3551ab20>  
DOI: 10.1016/j.jsg.2018.07.021

2. Yeganeh Khaksar, R., Moradi, M., Ghalandarzadeh, A., Response of buried oil and gas pipelines subjected to reverse faulting: A novel centrifuge-finite element approach (2018) Scientia Iranica, 25 (5A), pp. 2501-2516.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055660354&doi=10.24200%2fsci.2017.4214&partnerID=40&md5=a8a6ac74da2ae8eed7ba77d758e972d>  
DOI: 10.24200/sci.2017.4214

3. Liu, W., Song, Z., Miao, H., Modified Factor for Segmented Pipes in Chinese Pipe Seismic Design Code Based on Probability Density Evolution Method (2018) KSCE Journal of Civil Engineering, 22 (3), pp. 951-961.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044004674&doi=10.1007%2fs12205-018-1370-2&partnerID=40&md5=6cecd8968906ac2f3ac7b6ebe28cc255>  
DOI: 10.1007/s12205-018-1370-2

4. Miao, H., Liu, W., Wang, C., Li, J., Artificial earthquake test of gas supply networks (2016) Soil Dynamics and Earthquake Engineering, 90, pp. 510-520

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84988961058&doi=10.1016%2fj.soildyn.2016.09.022&partnerID=40&md5=3670f35191868ef22f24af273c9d48a6>

DOI: 10.1016/j.soildyn.2016.09.022

5. Erami, M.H., Miyajima, M., Kaneko, S., Toshima, T., Kishi, S.; Pipe-soil interaction for segmented buried pipelines subjected to dip faults (2015) Earthquake Engineering and Structural Dynamics, 44 (3), pp. 403-417

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84961304646&doi=10.1002%2feqe.2476&partnerID=40&md5=c55714741439bfe960e1e91cf941a30a>

DOI: 10.1002/eqe.2476

6. Liu Wei, Miao Huiquan, Wang Chuang and Li Jie "Test on a buried pipe network subjected to an artificial earthquake produced by multi-millisecond blasting". Earthquake Engineering and Engineering Vibration. 19, 791–810, 2020, [Линк](#)

[https://www.scopus.com/record/display.uri?eid=2-s2.0-85087989593&origin=resultslist&sort=plf-f&cite=2-s2.0-0242637404&src=s&imp=t&sid=7bbd0593846a2aee036f3edd8e5b7694&sot=cite&sdt=a&sl=0&relpos=0&citeCnt=4&searchTerm=&featureToggles=FEATURE\\_NEW\\_DOC\\_DETAILS\\_EXPORT:1](https://www.scopus.com/record/display.uri?eid=2-s2.0-85087989593&origin=resultslist&sort=plf-f&cite=2-s2.0-0242637404&src=s&imp=t&sid=7bbd0593846a2aee036f3edd8e5b7694&sot=cite&sdt=a&sl=0&relpos=0&citeCnt=4&searchTerm=&featureToggles=FEATURE_NEW_DOC_DETAILS_EXPORT:1)

DOI: 10.1007/s11803-020-0596-4

**54.** Partov D., **Ivanov R.**, Petkov M., Survey of the design of back anchors for tunnel boring machines (TBM), used in the excavation of metro tunnels in Sofia, 2012, Procedia Engineering, 40, pp. 351-356

Цитирана в:

1. Dziuban, B., Ling, H.I., Li, L., Failure Mechanisms of Shallow Tunnel in Sandy Ground (2018) Transportation Infrastructure Geotechnology, 5 (4), pp. 318-331

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85050392365&doi=10.1007%2fs40515-018-0062-1&partnerID=40&md5=6c2a18da1876a2294b5fdbac45029ff5>

DOI: 10.1007/s40515-018-0062-1

2. Cardu, Marilena et al. "Performance Analysis of Tunnel Boring Machines for Rock Excavation." Applied Sciences. 11.6:2794, 2021, [Линк](#)

[https://www.scopus.com/record/display.uri?origin=citedby&eid=2-s2.0-85103490275&noHighlight=false&relpos=0&featureToggles=FEATURE\\_NEW\\_DOC\\_DETAILS\\_EXPORT:1](https://www.scopus.com/record/display.uri?origin=citedby&eid=2-s2.0-85103490275&noHighlight=false&relpos=0&featureToggles=FEATURE_NEW_DOC_DETAILS_EXPORT:1)

DOI: 10.3390/app11062794

3. Farzay, O. et al. Sensitivity and Monte Carlo Analysis of Open TBM Diameter: Impacts on Power, Thrust, and Torque, Geotechnical and Geological Engineering, (2025), 43(6), 240

<https://www.scopus.com/pages/publications/105009294672>

DOI: 10.1007/s10706-025-03212-0

**83.** Paskaleva I., **Ivanov R.**, Kaneva A., Ivanchev I., Seismic effects in the Pernik area after the 22, May 2012 earthquake, Sixth International Conference "Earthquake Engineering and Engineering Seismology, Kraljevo, Serbia, 2018, pp. 1-12

Цитирана в:

1. K Kazakov, L Mihova and D Partov. "Constitutive models for FE analysis of pile founded buried arch bridge". IOP Conference Series: Materials Science and Engineering, 951, IOP Publishing, 2020, [Линк](https://www.scopus.com/record/display.uri?eid=2-s2.0-85096455425&origin=recordpage&featureToggles=FEATURE_NEW_DOC_DETAILS_EXPORT:1)  
[https://www.scopus.com/record/display.uri?eid=2-s2.0-85096455425&origin=recordpage&featureToggles=FEATURE\\_NEW\\_DOC\\_DETAILS\\_EXPORT:1](https://www.scopus.com/record/display.uri?eid=2-s2.0-85096455425&origin=recordpage&featureToggles=FEATURE_NEW_DOC_DETAILS_EXPORT:1)  
DOI: 10.1088/1757-899X/951/1/012004

**86.** Radan Ivanov, Antoaneta Kaneva, Ivanka Paskaleva, Ivan Ivanchev, Anton Gorolomov (2018) EARTHQUAKE-INDUCED GROUND MOTION EFFECTS FROM THE SEISMIC SEQUENCE OF 2012, MAY ON THE TERRITORY OF PERNIK, XVIII Jubilee International Scientific Conference „Civil Engineering Design and Architecture“, October 18-20, 2018, Sofia, Bulgaria, pp. 294-299

Цитирана в:

1. K Kazakov, L Mihova and D Partov. "Constitutive models for FE analysis of pile founded buried arch bridge". IOP Conference Series: Materials Science and Engineering, 951, IOP Publishing, 2020, [Линк](https://www.scopus.com/record/display.uri?eid=2-s2.0-85096455425&origin=recordpage&featureToggles=FEATURE_NEW_DOC_DETAILS_EXPORT:1)  
[https://www.scopus.com/record/display.uri?eid=2-s2.0-85096455425&origin=recordpage&featureToggles=FEATURE\\_NEW\\_DOC\\_DETAILS\\_EXPORT:1](https://www.scopus.com/record/display.uri?eid=2-s2.0-85096455425&origin=recordpage&featureToggles=FEATURE_NEW_DOC_DETAILS_EXPORT:1)  
DOI: 10.1088/1757-899X/951/1/012004

**89.** D. Partov, M. Maślak, **R. Ivanov**, M. Petkov, D. Sergeev, A. Dimitrova, The development of wooden bridges through the ages – a review of selected examples of heritage objects. Part 1 – the milestones, Technical Transactions; Civil Engineering, 2-B, Poland, 2016, pp. 93 – 105

Цитирана в:

1. Bordoloi S., Ng, C.W.W. "The effects of vegetation traits and their stability functions in bio-engineered slopes: A perspective review", Engineering Geology 275(10):105742, 2020, [Линк](https://www.scopus.com/record/display.uri?eid=2-s2.0-85088913209&origin=resultslist&sort=plf-f&featureToggles=FEATURE_NEW_DOC_DETAILS_EXPORT:1)  
[https://www.scopus.com/record/display.uri?eid=2-s2.0-85088913209&origin=resultslist&sort=plf-f&featureToggles=FEATURE\\_NEW\\_DOC\\_DETAILS\\_EXPORT:1](https://www.scopus.com/record/display.uri?eid=2-s2.0-85088913209&origin=resultslist&sort=plf-f&featureToggles=FEATURE_NEW_DOC_DETAILS_EXPORT:1)  
DOI: 10.1016/j.enggeo.2020.105742

2. Kromoser, B., Spitzer, A., Ritt, M., & Grabner, M. (2024). Wooden Bridges: Strategies for Design, Construction and Wood Species – From Tradition to Future. International Journal of Architectural Heritage, 18(4), 652–668.  
<https://www.scopus.com/pages/publications/85149884379>  
DOI: 10.1080/15583058.2023.2181719

3. Tonyali, Z., Birinci Kayaalp, F., Kiral, A., & Ozesen, A. (2025). Basic evaluation and restoration process for the structural characteristics of historically significant timber bridges in Türkiye: case studies in Eastern Black Sea Region. Wood Material Science & Engineering, 1–29. <https://doi.org/10.1080/17480272.2025.2469711>  
<https://www.scopus.com/pages/publications/86000235777>  
DOI: 10.1080/17480272.2025.2469711

**90.** D. Partov, M. Maślak, **R. Ivanov**, M. Petkov, D. Sergeev, A. Dimitrova, The development of wooden bridges through the ages – a review of selected examples of heritage objects. Part 2 – the iconic structures from the western slavdom area and those that inspired them, Technical Transactions; Civil Engineering, 2-B, Poland, 2016, pp. 107-120

Цитирана в:

1. Bordoloi S., Ng, C.W.W. "The effects of vegetation traits and their stability functions in bio-engineered slopes: A perspective review", Engineering Geology 275(10):105742, 2020, [Линк](https://www.scopus.com/record/display.uri?eid=2-s2.0-85088913209&origin=resultslist&sort=plf-f&featureToggles=FEATURE_NEW_DOC_DETAILS_EXPORT:1)  
[https://www.scopus.com/record/display.uri?eid=2-s2.0-85088913209&origin=resultslist&sort=plf-f&featureToggles=FEATURE\\_NEW\\_DOC\\_DETAILS\\_EXPORT:1](https://www.scopus.com/record/display.uri?eid=2-s2.0-85088913209&origin=resultslist&sort=plf-f&featureToggles=FEATURE_NEW_DOC_DETAILS_EXPORT:1)  
DOI: 10.1016/j.enggeo.2020.105742

2. Kromoser, B., Spitzer, A., Ritt, M., & Grabner, M. (2024). Wooden Bridges: Strategies for Design, Construction and Wood Species – From Tradition to Future. International Journal of Architectural Heritage, 18(4), 652–668.  
<https://www.scopus.com/pages/publications/85149884379>  
DOI: 10.1080/15583058.2023.2181719

**92. Ivanov R. I.** Seismic behaviour of brickwork chimneys in buildings. IOP Conference Series: Materials Science and Engineering, 951, IOP Publishing, 2020, ISSN:1757-8981, DOI:doi:10.1088/1757-899X/951/1/012017, pp. 1-6

Цитирана в:

1. Coelho, V., Silva, F. "The influence of mesh reinforcement in mortar coatings exposed to cyclic thermal loads". Engineering Structures. 320, 118861, 2024  
<https://www.sciencedirect.com/science/article/pii/S0141029624014238>  
<https://www.scopus.com/pages/publications/85202976167>  
DOI: 10.1016/j.engstruct.2024.118861

2. Coelho V.A., Silva F.G.S. "Mesh reinforcement in masonry mortar coatings: a systematic literature review". Ceramica, 69, (389), 66 - 78, 2023  
<https://www.scopus.com/pages/publications/85159303173>  
DOI: 10.1590/0366-69132023693893377

**93. Zhelyazov T., Ivanov R.** Numerical investigation of the mechanical behaviour of a structural element containing a self-healing agent. IOP Conference Series: Materials Science and Engineering, 1002, IOP Publishing, 2020, ISSN:1757-8981, DOI:10.1088/1757-899X/1002/1/012015, pp. 1-7

Цитирана в:

1. Tsivolas, E., Gergidis, L. N. , Paipetis A.S."Multiscale modeling of extrinsic self healing GFRP materials". Modelling and Simulation in Materials Science and Engineering, 31 (2), 025002, 2023  
<https://www.scopus.com/pages/publications/85145560273>  
DOI: 10.1088/1361-651X/acaa49

2. Łuczak, B., Sumelka, W., Szymkuć, W., Jopek, H. "Self-Healing Mechanical Properties of Selected Roofing Felts", Materials, 16 (3), 1204, 2023  
<https://www.scopus.com/pages/publications/85148001085>  
DOI: 10.3390/ma16031204

**94. Iliev V, Ivanov R, Geshkova Z, Samichkov V, Yavorov N.** Constitutive Model of Unplasticized Polyvinyl Chloride for Numerical Stress-Strain Analysis. Science, Engineering & Education, 5, 1, Химикотехнологичен и металургичен университет, 2020, ISSN:2534-8507, pp. 3-8

Цитирана в:

1. Konstantinov AP, Aksenov IS. Engineering Method for Calculating Temperature Deformations of PVC Window Profiles with a Reinforcing Steel Core. Buildings. 2023; 13(6):1466.

<https://www.scopus.com/pages/publications/85163717538>

DOI: 10.3390/buildings13061466

2. Kozielczyk M, Mencil K, Kowalczyk J, Paczkowska M. Selection of Processing Methods and Parameters for Composite Inserts in Window Profiles with Regard to the Strength of Their Welds. *Materials*. 2025; 18(1):44.

<https://www.scopus.com/pages/publications/85214472459>

DOI: 10.3390/ma18010044

**95.** Geshkova, Z., Iliev, V., **Ivanov, R.** Influence of the degree of stress triaxiality and the Lode angle on the fracture behavior of window frames. *Science, Engineering & Education*, 6, 1, Химикотехнологичен и металургичен университет, 2021, ISSN:2534-8507, pp. 18-26

Цитирана в:

1. Vilutis A, Jankauskas V. Experimental and Numerical Investigation of the Fracture Behavior of Extruded Wood–Plastic Composites under Bending. *Polymers*. 2024; 16(11):1485.

<https://www.scopus.com/pages/publications/85195785894>

DOI: 10.3390/polym16111485

**103.** Popova M., Oynakov E., Solakov D., Aleksandrova I., Dragomirov D., **Ivanov R.** Experimental Evaluation of the Dynamical Parameters  $f_0$  and  $A_0$  Using the Method HVSR. 11<sup>th</sup> Congress of the Balkan Geophysical Society, 10-14 October, Bucharest, 2021, pp. 1-5

Цитирана в:

1. Topalska, M., M. Kouteva-Guentcheva. Design Accelerograms Derivation for Dynamic Analysis of Retaining Walls. *Lecture Notes in Networks and Systems*, Volume 883 LNNS, Pages 309 – 323 and 12th Ann. CMDR COE Conf. on Crisis management and Disaster Response, CMDR 2024, 2025

[https://link.springer.com/chapter/10.1007/978-3-031-74707-6\\_34](https://link.springer.com/chapter/10.1007/978-3-031-74707-6_34)

<https://www.scopus.com/pages/publications/85210250299>

DOI: [https://doi.org/10.1007/978-3-031-74707-6\\_34](https://doi.org/10.1007/978-3-031-74707-6_34)

2. Maria Topalska, Lena Mihova. FEM Parameters for Earthquake Analysis of Retaining Walls. *International Scientific Conference CIVIL ENGINEERING DESIGN AND CONSTRUCTION*, IOP Conf. Series: Materials Science and Engineering 1323 (2024) 012015

<https://iopscience.iop.org/article/10.1088/1757-899X/1323/1/012015/pdf>

<https://www.webofscience.com/wos/woscc/full-record/WOS:001447914600015>

DOI: 10.1088/1757-899X/1323/1/012015

**104.** Pshenichnov, S., **Ivanov, R.**, Datcheva, M.. TRANSIENT WAVE PROPAGATION IN FUNCTIONALLY-GRADED VISCOELASTIC STRUCTURES. *Mathematics*, 10, 23, Multidisciplinary Digital Publishing Institute (MDPI), 2022, ISSN:2227-7390, SJR (Scopus):0.538, JCR-IF (Web of Science):2.592 Q1 - оглавява ранглистата (Web of Science)

Цитирана в:

1. Deng L., Cao X., Ma X., Ru Y. "Cut-off frequencies of longitudinal waves in functionally graded piezoelectric-piezomagnetic materials (FGPPM) cylinder shells". *Chinese Journal of Theoretical and Applied Mechanics*, 2023, 55(9): 1950-1959

<https://lxxb.cstam.org.cn/en/article/id/06eb1a6b-7189-4245-a958-9233f786e66a>

DOI: 10.6052/0459-1879-23-164

2. N. V. Larin, A. E. Belkin "Unsteady sound scattering by an elastic cylinder with a continuously non-uniform coating". Chebyshevskii Sbornik, 2024, 25(3): 381-395  
[https://www.mathnet.ru/php/archive.phtml?wshow=paper&jrnid=cheb&paperid=1468&option\\_lang=eng](https://www.mathnet.ru/php/archive.phtml?wshow=paper&jrnid=cheb&paperid=1468&option_lang=eng)  
<https://www.scopus.com/pages/publications/85217428359>  
DOI: 10.22405/2226-8383-2024-25-3-381-395

**109.** Oynakov, E., **Ivanov, R.**, Aleksandrova, I., Milkov, J., Popova, M.. Evaluation of the Nakamura vulnerability index of a cast-in-situ reinforced-concrete building from ambient noise records. Lecture Notes in Networks and Systems, 638, Springer Nature, 2023, ISSN:ISSN 2367-3370, DOI:<https://doi.org/10.1007/978-3-031-26754-3>, 66-76. SJR (Scopus):0.11 Q4 (Scopus)

Цитирана в:

1. Oripov, N., Yanbukhtin, I., & Bozorov, J. (2025). Evaluation of resonance risk and strength of a high-rise building using the microtremor method, AIP Conference Proceedings, 3265(1), 040010  
<https://www.scopus.com/pages/publications/105002291419>  
DOI: 10.1063/5.0265163
2. Seda Kundak, Çağlar Göksu, Kerem Yavuz Arslanlı, Ahmet Atıl Aşıcı, Ali Yılmaz, Duygu Kalkanlı, Cihan Mert Sabah, Betül Ergün Konukçu, Ece Özden Pak Temporal and spatial seismic risk scenarios of Istanbul, Journal of Risk Research, (2025), EID 2-s2.0-105008986042  
<https://www.scopus.com/pages/publications/105008986042>  
DOI: 10.1080/13669877.2025.2522667
3. Oripov N., Alimukhamedov I., Yanbukhtin I., Musaev U., Zakirov A., Mamarozikov T. Analysis of vulnerability and dynamic characteristics of a monolithic building using microtremor measurements, ANAS Transactions, Earth Sciences, (2024), 2, 68 - 76  
<https://www.scopus.com/pages/publications/85211036160>  
DOI: 10.33677/ggianas20240200127

Изготвил:.....  
/доц. д-р инж. Р. Иванов/