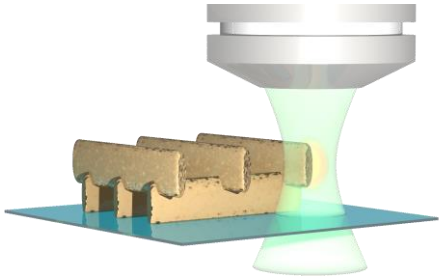
CURRICULUM VITAE

Vilniaus universitetas



PERSONAL INFORMATION

Family name, First name: **Malinauskas, Mangirdas, Prof.**
Bibliometric data: ***h*-index - 38, 186 papers and > 4713 citations in WOS (average ~ 25.43 per item)**.
Researcher unique identifiers: **ORCID - 0000-0002-6937-4284**, **Research ID - D-7071-2011**.
Date of birth: 27th December **1981** (Vilnius, Lithuania); Nationality: **Lithuanian**.
E-Mail: mangirdas.malinauskas@ff.vu.lt
URL: https://www.ff.vu.lt/en/lrc/scientific-groups/laser-nanophotonics-group#group-members

MINI-BIO

My passion for physics started at school, I then chose Optics and Laser technology as the topic for my University thesis. This motivation developed during my PhD internships when I decided that my future career belonged in science. The depth to which I can satisfy my curiosity on topics and the people I have the pleasure of working with stimulate and educates me every day. Many of the questions raised during my PhD studies, but were not technically doable, remain unanswered and grow more significant as other scientists begin to recognise them. Having led to some of the pioneered work in the topic of light-matter photoexcitation mechanisms under spatio-temporally confined light, applying it for 3D printing of micro-optics and tissue engineering, I aim to contribute to the seminal knowledge of the field.

MAJOR RESEARCH INTERESTS

1. Laser direct writing, laser material processing, laser 3D micro-/nano-fabrication;
2. Non-linear light-matter interaction, multi-photon polymerisation, avalanche ionisation;
3. 3D micro-/nano-lithography, UV lithography, photopolymers;
4. Microoptics, integrated optics, multifunctional optics;
5. Tissue engineering, regenerative medicine, cells;
6. 3D scaffolds, biomaterials, biomimetics;
7. Renewable materials and energy, environmentally friendly technology, sustainable growth and recycling.

EDUCATION

2010	PhD degree in "Physics", thesis entitled "*The Fabrication of Functional 3D Micro/Nanostructures by Laser Multiphoton Polymerization Technique*" Vilnius University, Faculty of Physics, Department of Quantum Electronics (Lithuania) Supervisor: Prof. Roaldas Gadonas. Consultants: Prof. S. Juodkazis and Dr. M. Farsari
2006	Master's degree in "Laser Physics and Optical Technologies" Vilnius University, Faculty of Physics, Department of Quantum Electronics (Lithuania) Supervisor: Prof. Roaldas Gadonas
2004	Bachelor's degree in "Management of Modern Technologies" Vilnius University, Faculty of Physics, Department of Quantum Electronics (Lithuania) Supervisor: Prof. Roaldas Gadonas

CURRENT POSITION(S)

2020 – now Professor
2019 – now Chief Researcher / Research Director (Laser NanoPhotonics Group leader)
Laser Research Center / Physics Faculty/ Vilnius University/ Lithuania

PREVIOUS POSITIONS

2013 – 2019 Senior Researcher - Laser Research Center / Physics Faculty/ Vilnius University/ Lithuania
2011 – 2013 Researcher - Laser Research Center / Physics Faculty / Vilnius University/ Lithuania
2006 – 2010 Junior Researcher - Laser Research Center / Physics Faculty/ Vilnius University/ Lithuania

FELLOWSHIPS

2011 Lithuanian Science Academy Fellowship for Young Scientists (technical sciences).
2009 Marie Curie internship in FORTH-IESL, Heraklion (3 months)
2008 Traineeship in Dept. of Nanotechnology at Laser Center Hannover, Hannover (2 months)
2007 Lifelong Learning traineeship in Department of Nanotechnology at Laser Center Hannover.
2005 Erasmus/European Physics Society grant, internship in Leibnitz University, Hannover.

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

Currently 2 post-docs / 3 PhD students / 1 Master / 1 Bachelor student
Laser Research Center / Physics Faculty/ Vilnius University/ Lithuania
2009 – 2021 1 PhD student /14 Masters Students / 19 Bachelor students
Laser Research Center / Physics Faculty/ Vilnius University/ Lithuania

TEACHING ACTIVITIES

2020 – present Lecturer and coordinator of Bachelor course – Nano- and Micro-Technologies, Vilnius, University
2017 – present Lecturer for full Master course integrated with EuroPhotonics programme – Advanced nanomanufacturing technologies for photonic applications, Vilnius University / Lithuania
2016 – present Lecturer for selected PhD courses – a) Modern optics and spectroscopy; b) Technologies and functional materials for electronics and photonics, Vilnius University / Lithuania

ORGANISATION OF SCIENTIFIC MEETINGS

2024 Co-Chair of COLA conference 2024 (September 29 – October 4, Hersonissos, Greece)
2023 International Advisory Committee of ICPEPA – 12 (September 18 – 22, Suzhou, China)
2022 – present Organiser of Photononics Meets Biology (bi-annual Summer School) together with Dr. M. Farsari, FORTH, Greece, Prof. E. Rafailov, Aston University, UK, Summer School | FARSARI LAB
2021 – present Scientific Committee / Nanoscale and Quantum Materials: From Synthesis and Laser Processing to Applications / https://lux.spie.org/PW22L/conferencedetails/nanoscale-quantum-materials
2018 – present Scientific Committee / Advanced Fabrication Technologies for Micro/Nano Optics and Photonics / https://spie.org/PWO/conferencedetails/advanced-fabrication-micro-nano
2018 Scientific Committee / 11th International Conference on Photo-Excited Processes and Applications / Lithuania / http://icpepa11.com/
2017 Session Chair for 3D Laser Lithography for Production / SPIE Photonics West 2017 / USA
2016 Scientific organiser of Lasers in Additive Manufacturing topical session / CLEO 2016 / USA
2014 Scientific Committee and Session Chair / The 15th International Symposium on Laser Precision Microfabrication / Lithuania / http://www.lpm2014.org/

INSTITUTIONAL RESPONSIBILITIES

2019 – present Bachelor program High-tech Physics and Management Committee member, Vilnius university, Physics Faculty together with School of Business, Lithuania
2019 – present Materials Engineering PhD Committee; member, Vilnius University with CPST, Lithuania
2012 – present Member of PhD defence committee 8 times (5 in Vilnius University, 3 as external expert).

REVIEWING ACTIVITIES

2021 – present Editorial Board of Opto-Electronic Advances / SCI / China
2016 – 2022 Associate Editor of Optics Express journal / OSA / USA
2020 – 2021 Guest Editor for Journal of Physics Photonics Feature Issue / IOP / UK
2020 Expert Evaluator of H2020 projects / EC/ Europe
2018 – 2019 Guest Editor for Applied Surface Science Special Issue ICPEPA 11 / Elsevier / Netherlands
2017 Expert Evaluator of H2020-ICT projects / EC / Europe
2015 – 2016 Scientific Evaluation of topical Book proposals / Elsevier / Netherlands
2015 Scientific Grant Reviewer / National Science Center / Poland
2014 Scientific Evaluation of Book proposal / Wiley / USA
2011 – Present Reviewer for scientific journals: Science, Nat. Commun., Light Sci. Appl., Sci. Rep., Nanotechnology, Nanoscale, Opt. Express, Opt. Mater. Express, Biomed. Opt. Express, Opt. Lett., Appl. Phys. Lett., J. Appl. Phys., Appl. Opt., IEEE Photon. Technol. Lett, Opt. Las. Technol., Opt. Las. Eng., Appl. Sur. Sci., Phys. Stat. Sol. (A), Opt. Commun., Opt. Mater., J. Micromech. Microeng., J. Las. Micro. Nanoeng., Materials, Lith. J. Phys., Polymers, Precis. Eng., J. Photochem. Photobio., J. Mech. Eng. Sci., J. Mech. Behav. Biomed. Mat., Mater. Des., J. Biomed. Mater. Res. B, Fibers Polym., Biomed. Mater., J. Mater. Process. Technol., Micromachines, IEEE Trans. Biomed. Eng., Int. J. Mol. Sci.

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

2021 – 2022 Member of OPTICA, worldwide.
2016 – 2020 Member of European Physical Society, European wide.
2010 – 2020 Member of Lithuanian Physics Society, Lithuanian Academy of Sciences, Lithuania.
2009 – 2019 Member of SPIE, worldwide.

PRIZES/AWARDS/ACADEMY MEMBERSHIPS:

2023 OPTICA Fellow, "*For advancing ultrafast laser 3D lithography and pioneering work towards applying it for micro-optics and biomedical scaffolds".*
2019 – 2022 Specially appointed professor at Tokyo Institute of Technology (1 month per year).
2020 Outstanding paper awarded by Nanoscale Horizons journal for "*Additive-manufacturing of 3D glass-ceramics down to nanoscale resolution*".
2019 National Science Prize for the work "*High intensity light-mater interaction: from fundamentals to new technologies*" together with Prof. M. Vengris and Prof. A. Dubietis.
2018 – present Member of Lithuanian Academy of Sciences – Young Academy (Mathematical, Physical, and Chemical Sciences)

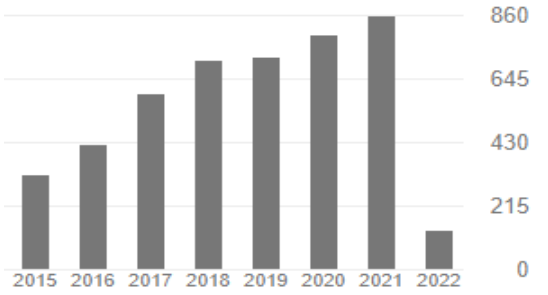
MAJOR COLLABORATIONS

My work as enable me to establish long-term international collaborations with Prof. S. Juodkazis (SUT, Melbourne, Australia) on light-field induced processes and their control, micro-optics fabrication; Dr. M. Farsari (IESL-FORTH, Greece) on novel 3D lithography materials and techniques; Prof. K. Staliūnas (UPC, Spain) on new physical concepts and techniques to manipulate spatially structured radiation; Dr. E. Brasselet (University of Bordeaux, France) on photopolymerised microscopic vortex beam generators; Prof. B. Chichkov (LUH, Germany) on 3D laser structuring for tissue engineering; Prof. V. Mizeikis (University of Shizuoka, Japan) on ultra-fast laser processing of materials; Dr. F. Claeyssens (Sheffield University, UK) on laser processing of biomaterials and bioprinting and Prof. J. Morikawa (Tokyo Institute of Technology, Japan) on advanced polymeric and inorganic materials characterization.

PUBLICATION SUMMARY:

- Total number of citations*:* **6787**
- *h*-index*:* **44** (source: Google Scholar, 04/25/2023)
- Book Chapters: **10**
- Scientific promotion articles: **16**
- Invited / Keynote presentations: **23**
- Participation in Summer Schools: **7**
- Special issues in Journals: **2**
- Conference Scientific Committees: **6**

	All	Since 2017
Citations	5634	3808
h-index	41	30
i10-index	90	76



20 SELECTED PUBLICATIONS:

1. M. Malinauskas, A. Žukauskas, S. Hasegawa, Y. Hayasaki, V. Mizeikis, R. Buividas, S. Juodkazis, *Ultrafast laser processing of materials: from science to industry,* Light Sci. Appl. **5**, e16133 (2016); NPG. [IF – 15.005, cited – 924]
2. M. Malinauskas, M. Farsari, A. Piskarskas, S. Juodkazis, *Ultrafast laser nanostructuring of photopolymers: A decade of advances*, Phys. Reports **533**(1), 1-31 (2013); Elsevier. [IF – 24.663, cited - 424]
3. M. Malinauskas, A. Žukauskas, G. Bičkauskaitė, R. Gadonas, S. Juodkazis, *Mechanisms of three-dimensional structuring of photo-polymers by tightly focussed femtosecond laser pulses*, Opt. Express **18**(10), 10209-10221, (2010); OSA. [IF – 3.461, cited – 271]
4. A. Ovsianikov, M. Malinauskas, S. Schlie, B. Chichkov, S. Gittard, R. Narayan, M. Lobler, K. Sternberg, K.-P. Schmitz, A. Haverich, *Three-dimensional laser micro- and nano-structuring of acrylated poly(ethyleneglycol) materials and evaluation of their cytoxicity for tissue engineering applications*, Acta Biomater. **7**(3), 967-974 (2011); Elsevier. [IF – 7.502, cited – 247]
5. M. Malinauskas, A. Žukauskas, V. Purlys, K. Belazaras, A. Momot, D. Paipulas, R. Gadonas, A. Piskarskas, H. Gilbergs, A. Gaidukeviciute, I. Sakellari, M. Farsari, S. Juodkazis, *Femtosecond laser polymerization of hybrid/integrated micro-optical elements and their characterization*, J. Opt. **12**(12), 124010 (2010); IOP. [IF – 2.207, cited – 178]
6. E. Brasselet, M. Malinauskas, A. Žukauskas, S. Juodkazis, Photopolymerized microscopic vortex beam generators: Precise delivery of optical orbital angular momentum, Appl. Phys. Lett. **97**, 211108 (2010); AIP. [IF – 3.597, cited - 163]
7. M. Malinauskas, P. Danilevičius, S. Juodkazis, *Three-dimensional micro-/nano-structuring via direct write polymerization with picosecond laser pulses*, Opt. Express **19**(6), 5602-5610 (2011); OSA. [IF – 3.461, cited – 147]
8. A. Zukauskas, I. Matulaitiene, D. Paipulas, G. Niaura, M. Malinauskas, and R. Gadonas, Tuning the refractive index in 3D direct laser writing lithography: towards GRIN microoptics, Laser Photon. Rev. **9**(6), 706-712 (2015); Wiley. [IF – 9.995, cited - 138]
9. J. Maciulaitis, M. Deveikyte, S. Rekstyte, M. Bratchikov, A. Darinskas, A. Simbelyte, G. Daunoras, A. Laurinaviciene, A. Laurinavicius, R. Gudas, M. Malinauskas, R. Maciulaitis, *Preclinical study of SZ2080 material 3D microstructured scaffolds for cartilage tissue engineering made by femtosecond direct laser writing lithography*, Biofabrication **7**, 015015 (2015); IOP. [IF- 8.251, cited - 137]
10. M. Malinauskas, S. Rekstyte, L. Lukosevicius, S. Butkus, E. Balciunas, M. Peciukaityte, D. Baltriukiene, V. Bukelskiene, A. Butkevicius, P. Kucevicius, V. Rutkunas, and S. Juodkazis, 3D Microporous Scaffolds Manufactured via Combination of Fused Filament Fabrication and Direct Laser Writing Ablation, Micromachines **5**(4), 839-858 (2014); MDPI. [IF – 2.554, cited - 131]

11. L. Jonusauskas, D. Gailevicius, L. Mikoliunaite, D. Sakalauskas, S. Sakirzanovas, S. Juodkazis, M. Malinauskas, Optically Clear and Resilient Free-Form μ-Optics 3D-Printed via Ultrafast Laser Lithography, Materials **10**(1),12 (2017); MDPI. [IF – 3.424, cited - 130]
12. S. Rekštytė, T. Jonavičius, D. Gailevičius, M. Malinauskas, V. Mizeikis, E.G. Gamaly, S. Juodkazis, *Nanoscale Precision of 3D Polymerization via Polarization Control*, Adv. Opt. Mater. **4**(8), 1209-1214 (2016); Wiley. [IF – 8.224, cited – 105]
13. D. Gailevičius, V. Padolskytė, L. Mikoliūnaitė, S. Šakirzanovas, S. Juodkazis, M. Malinauskas, *Additive-Manufacturing of 3D Glass-Ceramics down to Nanoscale Resolution*, Nanoscale Horiz. **4**, 647-651 (2019); RSC. [IF – 10.281, cited – 94]
14. M. Lebedevaite, J. Ostrauskaite, E. Skliutas, M. Malinauskas, *Photoinitiator free resins composed of plant derived monomers for optical 3D μ-printing*, Polymers **11**(1), 11 (2019); 10.3390/polym11010116, MDPI [IF- 2.935, cited - 73].
15. E. Skliutas, M. Lebedevaite, E. Kabouraki, T. Baldacchini, J. Ostrauskaite, M. Vamvakaki, M. Farsari, S. Juodkazis, M. Malinauskas, *Photopolymerization mechanisms at spatio-temporally ultra-confined light*, Nanophotonics, **10**(4), 1211-1242 (2021); De Gruyter. [IF – 7.491, cited – 65]
16. E. Skliutas, M. Lebedevaite, S. Kasetaite, S. Rekstyte, S. Lileikis, J. Ostrauskaite, and M. Malinauskas, *A Bio-Based Resin for a Multi-Scale Optical 3D Printing*, Sci. Rep. **10**, 9758 (2020); 10.1038/s41598-020-66618-1. Springer-Nature, [IF - 4.525, cited - 47].
17. A. Butkutė, L. Čekanavičius, G. Rimšelis, D. Gailevičius, V. Mizeikis, A. Melninkaitis, T. Baldacchini, L. Jonušauskas, M. Malinauskas, *Optical Damage Thresholds of Microstructures Made by Laser 3D Nanolithography*, Opt. Lett. **45**(1), 13-16 (2020); OSA. [IF – 3.443, cited – 22]
18. G. Merkininkaite, E. Aleksandravicius, M. Malinauskas, D. Gailevicius and S. Sakirzanovas, Laser additivemanufacturing of Si/ZrO2 tunable crystalline phase 3D nanostructures, Opto-Electron. Adv. **5**, 210077 (2022); 10.29026/oea.2022.210077. [IF - 9.682, cited - 29].
19. D.-L. G.-Hernandez, S. Varapnickas, G. Merkininkaite, A. Ciburys, D. Gailevicius, S. Sakirzanovas, S. Juodkazis, M. Malinauskas, *Laser 3D printing of inorganic free-form micro-optics*, Photonics **8**(12), 577 (2021); 10.3390/photonics8120577. [IF – 2.676, cited - 23].
20. E. Skliutas, D. Samsonas, A. Čiburys, L. Kontenis, D. Gailevičius, J. Gerzinič, D. Narbutas, V. Jukna, M. Vengris, S. Juodkazis, and M. Malinauskas, X-photon laser direct write 3D nanolithography, under review (2022): X-photon laser direct write 3D nanolithography, preprint at Research Square; https://doi.org/10.21203/rs.3.rs-1941893/v1.

BOOK CHAPTERS:

1. G. Merkininkaitė, E. Aleksandaravičius, S. Varapnickas, D. Gailevičius, S. Šakirzanovas, M. Malinauskas, *Multi-photon 3D lithography and calcination for sub-100-nm additive manufacturing of inorganics*, in book „Ultrafast Laser Nanostructuring – The Pursuit of Extreme Scales“, **Springer-Nature**, vol. 239, Chapt. 22, 787-824 (2023); https://doi.org/10.1007/978-3-031-14752-4_22 .
2. S.H. Ng, M. Malinauskas, and S. Juodkazis, *3D subtractive printing with ultra-short laser pulses*, Handbookof Laser Micro- and Nano-Engineering, **Springer**, 1-23 (2021); https://doi.org/10.1007/978-3-319-69537-238−1.
3. S. Varapnickas, J. Maksimovic, M. Malinauskas, S. Juodkazis, 3D subtractive/additive printing with ultra-short laser pulses - a matured technology, Handbook of Laser Micro- and Nano-Engineering, **Springer**, 1 - 22 (2021); https://doi.org/10.1007/978-3-319-69537-266−1.
4. S. Varapnickas and M. Malinauskas, *Processes of Direct Laser Writing 3D Nano-Lithography*, Handbook of Laser Micro- and Nano-Engineering, **Springer**, 1-31 (2020); https://doi.org/10.1007/978-3-319-69537-2_32-1.
5. T. Baldacchini, C.N. LaFratta, and M. Malinauskas, *Metrology and Process Control*, Micro and Nano Technologies (Three Dimensional Microfabrication Using Two-Photon Polymerization), **Elsevier**, 197-226 (2019); https://doi.org/10.1016/B978-0-12-817827-0.00054-0.
6. S. Varapnickas, A. Zukauskas, E. Brasselet, S. Juodkazis, M. Malinauskas, *3D Micro-Optics via Ultrafast Laser Writing: Miniaturization, Integration, and Multifunctionalities*, Micro and Nano Technologies, (Three Dimensional Microfabrication Using Two-Photon Polymerization), **Elsevier**, 445-469 (2019); https://doi.org/10.1016/B978-0-12-817827-0.00012-6.
7. A. Zukauskas, M. Malinauskas, G. Seniutinas, S. Juodkazis, *Rapid laser optical-printing in 3D at a nanoscale*, in Multiphoton lithography, **Wiley**, (2016); https://doi.org/10.1002/9783527682676.ch1.
8. A. Zukauskas, M. Malinauskas, E. Brasselet, S. Juodkazis, *3D microoptics via ultrafast laser writing: miniaturization, integration and multi-functionalities*, in Three-Dimensional Microfabrication Using Two-

Photon Polymerization: fundamentals, technology, and applications, **Elsevier**, 268-292 (2016); https://doi.org/10.1016/B978-0-323-35321-2.00014-5.

9. M. Malinauskas and S. Juodkazis, *A decade of advances in femtosecond laser fabrication of polymers: mechanisms and applications*, in Micro- and Nanotechnologies, Series in Materials Science, **Springer** 195, 271-291 (2014); https://doi.org/10.1007/978-3-319-05987-7_12.

10. G. Bickauskaite and M. Malinauskas, Medžiagotyra Vilniaus universiteto Lazerinių tyrimų centre, Material Sciences in Lithuania, (2011).

INVITED PRESENTATIONS IN SCIENTIFIC CONFERENCES:

1. Heavy-duty and high-performance 3D micro-optics made by laser additive manufacturing, HMAM, Tartu, online (20-22 February, 2023).
2. Ultrafast laser 3D lithography for micro-nano additive manufacturing of bioresins and inorganics, AOMTA & YSAOM, Changchun, China (29th to 31st July 2022).
3. Mesoscale laser 3D printing: from renewable plant-based resins to crystalline inorganics, 3D Nano- & Micro-Manufacturing: Technology & Technical Applications, Kloster Schontal, Germany (2022 April 3 - 8).
4. Ultrafast laser additive manufacturing: plant based organic and crystalline inorganic 3D nanostructures, Ultrafast Light, Moscow (November 4 – 8, 2021).
5. Laser 3D nanomanufacturing of renewable organics and pure inorganics via multiphoton lithography, ICALEO, San Diego (October 18 - 21, 2021).
6. Colorful Laser 3D Nanoprinting, Advanced Materials & Technologies, Palanga, Lithuania, (2021 August 23-27)
7. Mesoscale laser 3D printing for advanced biofabrication, CLEO EU, All Virtual (2021 June 21 - 24)
8. Laser lithography for bioprinting: from 3D scaffolds to plant based resins, CLEO US, All Virtual (2021 May 5 - 9)
9. Optical Mesoscale 3D Printing: from Renewable Organics to Crystalline Inorganics, Nanostructured Bioceramic Materials, Vilnius, (November 30 - December 3, 2020).
10. Laser 3DMesoscale Printing: From Renewable Organics to Crystalline Inorganics, Functional Materials and Nanotechnologies, Vilnius, Lithuania (November 23 - 26, 2020).
11. Precision Laser 3D Printing: from Biomaterials to Glass and Ceramics, 43rd Lithuanian National Conference on Physics, Kaunas, Lithuania (October 3 - 5, 2019).
12. Nanoscale 3D laser additive manufacturing of highly resilient glass ceramics, SPIE Security & Defense, Strasbourg, France (September 9-12, 2019).
13. True 3D Additive-Manufacturing of Glass-Ceramics down to Nanoscale Resolution, CLEO Europe 2019, Munich, Germany (June 23-27, 2019).
14. Ultrafast laser 3D lithography for rapid prototyping of pure crosslinkable materials at a nanoscale, Photonics West 2017, San Francisco, USA (2017 January 28 - February 02).
15. 3D printed hybrid and fiber optics, Merging Micro- and Nano-Optics: 3D Printing for Advanced and Functional Optics, Bad Honnef, Germany (2017 January 09-11).
16. Ultrafast laser lithography as a mesoscale 4D printing, Progress in Ultrafast Modifications of Materials, Neuchatel, Switzerland (2016 June 12-16).
17. Ultrafast laser direct micro-/nano-fabrication: Towards 4D optical printing, Photonics West 2016, San Francisco, USA (2016 February 13-18).
18. Nano- and micro-scale manufacturing options with two-photon polymerization technique, Add+It, Linz, Austria (2015 September 10-11).
19. Ultrafast Laser 3D Micro-/Nano-fabrication of Polymers: Principles and Possible Applications, Lasers and Optical Nonlinearity, Vilnius, Lithuania (2013 November 21).
20. A decade of advances in femtosecond laser fabrication: mechanisms and applications, FLAMN, St. Petersburg, Russia (2013 June 24).
21. Applications of nonlinear laser nano/microlithography: fabrication from nanophotonic to biomedical components, SPIE Smart Nano-Micro Materials and Devices, Melbourne, Australia (2011 December 5).
22. M. Malinauskas, Trimačių polimerinių darinių lazerinis mikro/nano-formavimas ir taikymai, Chemija ir cheminė technologija, Kaunas, (2011 April 27)
23. Ultrafast laser 3D nanostructuring of photopolymers, 53rd Scientific Conference for Young Students of Physics and Natural Sciences, Vilnius, Lithuania, (2010 March 3).

SCIENCE PROMOTION ARTICLES:

1. X-ray tomography and machine learning for tooth microcracks analysis, LaserLab Newsletter, in press (2023).
2. VU mokslininkų tarptautinio bendradarbiavimo rezultatas – naujas detalesnių odontologijos tyrimų metodas, VU News, https://naujienos.vu.lt/vu-mokslininku-tarptautinio-bendradarbiavimo-rezultatas-naujas-detalesniu-odontologijos-tyrimu-metodas/ (2023).
3. Laser additive manufacturing of Si/ZrO2 tunable crystalline phase 3D nanostructures, https://phys.org/news/2022-04-laser-additive-sizro2-tunable-crystalline.html. 7th of April, 2022.
4. New Possibilities for the Production of Inorganic 3D Nanostructures, Lithuanian Academy of Sciences, Event of February 24, (2022).
5. Laser nano-printing of 3D crystalline structures, LaserLab Forum **22**, 9 (2022)
6. VU mokslininkai pagamino 50 kartų už aguonos grūdą mažesnį Vyčio skulptūros kopiją, https://naujienos.vu.lt/vu-mokslininkai-pagamino-100-000-kartu-sumazinta-vycio-skulpturos-kopija/, January 10th, (2019).
7. 3D Printing Glass-Ceramics at the Nanoscale, 3Dprint.com, **226489** (2018).
8. With Lasers, 3D Printing on a Miniature Scale, Photonics Spectra, September, 44-47 (2018).
9. Lithuania: Researchers Explore 3D Polymerization via Polarization Control on Nanoscale, https://3dprint.com/141087/3d-polymerization-nanoscale/ (2016).
10. Lasers offer new route to tissue scaffolds, IOP Biosciences, (2015).
11. M. Malinauskas and V. Bukelskiene, Ultimaker 3D Printer + Laser Microfabrication + Stem Cells = Biodegradable Hard Tissue Implants, http://3dprint.com/17403/3d-print-scaffolds-tissue/, (2014).
12. V. Bukelskienė, M. Malinauskas, and R. Gadonas, Bioaudiniai natūralių audinių pakaitalas, Spectrum **1**(16), 19-21 (2012).
13. A. Zukauskas, P. Danilevicius and M. Malinauskas, Tiesioginis lazerinis rasymas: principai ir taikymai, Mokslas ir gyvenimas, 11-12/23-25/2-4 (2011/2012).
14. M. Malinauskas, E. Brasselet and S. Juodkazis, Fine structuring of integrated micro-optical components usinglasers, SPIE Newsroom, July 22nd (2011).
15. G. Bickauskaite and M. Malinauskas, Funkcinių trimačių darinių formavimas lazerinės daugiafotonės polimerizacijos būdu, Jaunasis tyrėjas **3**, 42-45 (2011).
16. O. Balachninaitė and M. Malinauskas, Naujos Vilniaus universiteto lazerinių tyrimų centro mokslinės kryptys, Fizikų žinios **36**, 5-7 (2009).
17. M. Malinauskas, V. Bukelskiene and R. Sirmenis, Biomedžiagos ir audinių inžinerija, Mokslas ir gyvenimas **10**(2-4), 18-19 (2009).

PARTICIPATION IN SUMMER SCHOOLS AS A LECTURER:

1. Photonics meets Biology, TBA (2024)
2. Photonics meets Biology, Spetses (2022).
3. Europhotonics, virtual (2021).
4. Photonics Meets Biology, Heraklion (2019).
5. Appolo, Vilnius (2019).
6. International Summer School for Chemistry, Physics, Material Sciences, Medicine and Life Sciences. Students, Vilnius (2019).
7. Appolo, Vilnius (2017).

BRIEF SUMMARY OF PROJECT ACTIVITIES:

- M. Malinauskas has carried out **15 scientific projects** out of them **leading 8**.
- He is currently corresponding topic leader of "LaserLab" Joint-Research-Activity "*Biomedical Optics for Life Science Applications*".
- Has successfully completed international projects include coordinating the **US AMRDEC** "*Enhanced Absorption in Stopped Light Photonic Nanostructures: Application to Efficient Sensing, AMRDEC*" and was the head of the VU part of **NATO Science for Peace** program project "*Nanostructures for Highly Efficient Infrared Detection*".
- Successfully completed **Lithuanian Research Council** projects *Microlight* and *OptiBioForm*.

More relevant and updated information can be found at an institutional webpage of the Laser NanoPhotonics group at Laser Research Center, Vilnius Univerisity: https://www.ff.vu.lt/en/lrc/scientific-groups/laser-nanophotonics-group .