

PUBLICATIONS - Fatma (Yener) Yalcinkaya

Researcher ID (ORCID): <http://orcid.org/0000-0002-5057-3718>

URL: <http://www.researcherid.com/rid/A-2141-2014>

A) Publications in S. C. I., S. S. C. I., A. H. C. I. Indexed

1. **F. Yener**, O. Jirsak, 'Comparison between the Needle and Roller Electrospinning of Polyvinylbutyral', *Journal of Nanomaterials*, Vol. 2012, Article ID 839317, 6 pages DOI:10.1155/2012/839317, 2012.
2. **F. Yener**, O. Jirsak, R. Gemci, Using a Range of PVB Spinning Solution to Acquire Diverse Morphology for Electrospun Nanofibres, *IJCCE*, Vol.31, No:4, pages:49-58, 2012.
3. **F. Yener**, B.Yalcinkaya, 'Electrospinning of Polyvinyl Butyral in Different Solvents', *e-Polymers*, Vol. 13, Issue 1, pp. 229–242, 2013.
4. **F. Yener**, B.Yalcinkaya, O. Jirsak, 'On the Measured Current in the Needle- and Needleless Electrospinning', *Journal of Nanoscience and Nanotechnology*, Vol. 13, Issue 7, pp. 4672-4679, DOI: 10.1166/jnn.2013.7189, 2013.
5. B. Yalcinkaya, **F. Yener**, O. Jirsak, F. Cengiz-Callioglu, 'On the Nature of Electric Current in the Electrospinning Process', *Journal of Nanomaterials*, Vol. 2013, Article ID 538179, 10 pages, DOI: 10.1155/2013/538179, 2013.
6. B. Yalcinkaya, F. Cengiz-Callioglu, **F. Yener**, Measurement and Analysis of Jet Current and Jet Life in Roller Electrospinning of Polyurethane, *Textile Research Journal*, March, Vol. 84, no 16, pages: 1720-1728, DOI: 0040517514528563, 2014.
7. **F. Yalcinkaya**, B. Yalcinkaya, O. Jirsak, Influence of Salts on Electrospinning of Aqueous and Nonaqueous Polymer Solutions, *Journal of Nanomaterials*, vol. 2015, Article ID 134251, 12 pages, DOI:10.1155/2015/134251, 2015.
8. **F.Yalcinkaya**, Effect of Current on Polymer Jet in Electrospinning Process, *Tekstil ve Konfeksiyon*, Vol. 25, Issue 3, pages: 201-206, 2015.
9. **F. Yalcinkaya**, Experimental Study on Electrospun Polyvinyl Butyral Nanofibers Using a Non-solvent System, *Fibers and Polymers*, Vol. 16, Issue 12, pp. 2544-2551, DOI: 10.1007/s12221-015-5525-1, 2015.
10. **F. Yalcinkaya**, M. Komarek, D. Lubasova, F. Sanetnik, J. Maryska, Preparation of Antibacterial Nanofibre/Nanoparticle Covered Composite Yarns, *Journal of Nanomaterials*, Volume 2016 (2016), Article ID 7565972, 7 pages, DOI: 10.1155/2016/7565972, 2016.
11. **F. Yalcinkaya**, B. Yalcinkaya, A. Pazourek, J. Mullerova, M. Stuchlik, J. Maryska, Surface Modification of Electrospun PVDF/PAN Nanofibrous Layers by Low Vacuum Plasma Treatment, *International Journal of Polymer Science*, Volume 2016, Article ID 4671658, 9 pages, DOI: 10.1155/2016/4671658, 2016.
12. B. Yalcinkaya, **F. Yalcinkaya**, J. Chaloupek, Thin Film Nanofibrous Composite Membrane for Dead-End Seawater Desalination, *Journal of Nanomaterials*, Volume 2016, Article ID 2694373, 12 pages, DOI: 10.1155/2016/2694373, 2016.
13. **F. Yalcinkaya**, B. Yalcinkaya, O. Jirsak, Analysis of the Effects of the Rotating Roller Speed on a Roller Electrospinning System, *Textile Research Journal*, DOI: 10.1177/0040517516641362, Vol 87, Issue 8, pages 913-928, 2017.
14. **F. Yalcinkaya**, D. Lubasova, Quantitative Evaluation of Antibacterial Activities of Nanoparticles (ZnO, TiO₂, ZnO/ TiO₂, SnO₂, CuO, ZrO₂, AgNO₃) Incorporated into Polyvinyl Butyral Nanofibres, *Polymers for Advanced Technologies*, Vol. 28, Issue 1, pp. 137-140, DOI: 10.1002/pat.3883, 2017.

15. **F.Yalcinkaya**, B. Yalcinkaya, J. Hruza, P. Hrabak, Effect of Nanofibrous Membrane Structures on the Treatment of Wastewater Microfiltration, *Science of Advanced Materials*, Volume 9, issue 5, pp.747-757, DOI:10.1166/sam.2017.3027, 2017.
16. B. Yalcinkaya, **F. Yalcinkaya**, J. Chaloupek, Optimisation of Thin Film Composite Nanofiltration Membranes Based on Laminated Nanofibrous and Nonwoven Supporting Material, *Desalination and Water Treatment*, Volume 59, pages 19-30, DOI: 10.1155/2016/2694373, 2017.
17. **F. Yalcinkaya**, A. Siekierka, M. Bryjak, Preparation of Fouling-Resistant Nanofibrous Composite Membranes for Separation of Oily Wastewater, *Polymers*, Volume 9, Issue 12, Article number 679, DOI: 10.3390/polym9120679, 2017.
18. **F. Yalcinkaya**, A. Siekierka, M. Bryjak, Surface Modification of Electrospun Nanofibrous Membranes for Oily Wastewater Separation, *RSC Advances*, Volume 7, Issue 89, pp. 56704-56712, DOI: 10.1039/C7RA11904F, 2017.
19. M. R. Yusof, R. Shamsudin, Y. Abdullah, **F. Yalcinkaya**, N. Yaacob, Electrospinning of Carboxymethyl Starch/Poly (L-Lactide) Acid Composite Nanofibers, *Polymers for Advanced Technologies*, Volume 29, Issue 6, pp. 1843-1851, DOI:10.1002/pat.4292, 2018. *IF*=2.137.
20. **F. Yalcinkaya**, J. Hruza, Effect of Laminating Pressure on Polymeric Nanofibre Composite Membranes for Liquid Filtration, *Nanomaterials*, Volume 8, Issue 5, Article number 272, DOI: 10.3390/nano8050272, 2018. *IF*=3.504.
21. **F. Yalcinkaya**, The Effect of Argon Plasma Treatment on Hydrophilic Stability of Nanofibre Webs, *Journal of Applied Polymer Science*, Volume 135, Issue 38, DOI: 10.1002/app.46751, 2018. *IF*=1.901.
22. R. Roche, **F. Yalcinkaya**, Incorporation of PVDF Nanofiber Multilayers into Functional Structure for Filtration Applications, *Nanomaterials*, Volume 8, Issue 10, 771, DOI: 10.3390/nano8100771, 2018. *IF*=3.504.
23. I. Tiyek, A. Gunduz, **F. Yalcinkaya**, J. Chaloupek, Influence of Electrospinning Parameters on the Hydrophilicity of Electrospun Polycaprolactone Nanofibers, *Journal of Nanoscience and Nanotechnology*, Volume 19, pp. 1-10, 2019, DOI: 10.1166/jnn.2019.16605. *IF*=1.354.
24. **F. Yalcinkaya**, B. Yalcinkaya, J. Hruza, Electrospun Polyamide-6 Nanofiber Hybrid Membranes for Wastewater Treatment, *Fibers and Polymers*, Volume 20, Issue 1, pp 93-99, 2019. *IF*=1.353.
25. **F.Yalcinkaya**, A Review on Advanced Nanofiber Technology for Membrane Distillation, *Journal of Engineered Fibers and Fabrics*, 2019, DOI: 10.1177/1558925018824901. *IF*=0.678.
26. R. Roche, **F. Yalcinkaya**, Electrospun Polyacrylonitrile Nanofibrous Membranes for Point-of-Use Water and Air Cleaning, *ChemistryOpen*, Volume 8, Issue 1, pp. 97-103, 2019, DOI: 10.1002/open.201800267. *IF*=2.801.
27. E. Boyraz, **F. Yalcinkaya**, J. Hruza, J. Maryska, Surface-Modified Nanofibrous PVDF Membranes for Liquid Separation Technology, *Materials*, Volume 12, Issue 17, pp. 2702, 2019, DOI: 10.3390/ma12172702. *IF*= 2.972.
28. Mohd Reusmaazran Yusof, Roslinda Shamsudin, Sarani Zakaria, Muhammad Azmi Abdul Hamid, **Fatma Yalcinkaya**, Yusof Abdullah, Norzita Yacob, Fabrication and Characterization of Carboxymethyl Starch/Poly (L-Lactide) Acid/ β -Tricalcium Phosphate Composite Nanofibers via Electrospinning, *Polymers*, Volume 11, Issue 9, pp. 1468, 2019, 10.3390/polym11091468. *IF* = 3.164.
29. **F. Yalcinkaya**, M. Komarek, Polyvinyl Butyral (PVB) Nanofiber/Nanoparticle Covered Yarns for Antibacterial Textile Surfaces, *International Journal of Molecular Sciences*, 2019, Volume 20, Issue 17, pp. 4317, DOI: 10.3390/ijms20174317. *IF*=4.183.
30. **F. Yalcinkaya**, Preparation of Various Nanofiber Layers Using Wire Electrospinning System, *Arabian Journal of Chemistry*, Volume 12, Issue 8, Pages 5162-5172, DOI: 10.1016/j.arabjc.2016.12.012, 2019. *IF*=3.298.

31. Jana Gaalova, **Fatma Yalcinkaya**, Petra Curinova, Michal Kohout, Baturalp Yalcinkaya, Martin Kostejn, Jan Jirsak, Ivan Stibor, Jason E. Bara, Bart Van der Bruggen, Pavel Izak, Separation of racemic compound by nanofibrous composite membranes with chiral selector, *Journal of Membrane Science*, 2020, Volume 596, DOI: 10.1016/j.memsci.2019.117728. *IF*=7.015.
32. **F. Yalcinkaya**, E. Boyraz, J. Maryska, K. Kucerova, A Review on Membrane Technology and Chemical Surface Modification for the Oily Wastewater Treatment, *Materials*, 2020, Volume 13, Issue 2, pp 493, DOI: 10.3390/ma13020493. *IF*= 2.972 .
33. R. Torres-Mendieta, **F. Yalcinkaya**, E. Boyraz, O. Havelka, S. Wacławeka, J. Maryška, M.Černík, M.Bryjak, PVDF nanofibrous membranes modified via laser-synthesized Ag nanoparticles for a cleaner oily water separation, *Applied Surface Science*, Volume 256, 2020, DOI: 10.1016/j.apsusc.2020.146575. *IF*= 5.155.
34. Mohd Reusmaazran Yusof, Roslinda Shamsudin, Sarani Zakaria, Muhammad Azmi Abdulhamid, **Fatma Yalcinkaya**, Yusof Abdullah, Norzita Yacob, Electron Beam Irradiation of the PLLA/CMS/ β -TCP Composite Nanofibers Obtained by Electrospinning, *Polymers*, 12 (7), 2020, DOI: 10.3390/polym12071593. *IF*= 3.426.

B) Published in refereed journals, technical notes, letters to the editor, discussion, case reports and a summary of publications other than the type of article

1. **F. Yener**, O. Jirsak, B. Yalçinkaya, ‘Effects of Material Parameters on Electrospun Polyvinyl Butyral Nanofiber Web’, *Electronic Journal of Textile Technologies*, Issue: 5, Volume: 2, Pages: 26-34, 2011.
2. R. Gemci, **F. Yener**, H. Solak, ‘The Relationship between Applied Voltage and Diameter of PVB Nanofibers’, *KSU. Journal of Engineering Sciences*, 14(1), 2011.
3. **F. Yalcinkaya**, B. Yalcinkaya, O. Jirsak, Dependent and Independent Parameters of Needleless Electrospinning, *Fibers and Textiles*, ISSN 1335-0617, 1, pages: 75-79, 2015.
4. **F. Yalcinkaya**, B. Yalcinkaya, J. Maryska, Preparation and Characterization of Polyvinyl Butyral Nanofibers Containing Silver Nanoparticles, *Journal of Materials Science and Chemical Engineering*, Vol.4, no 1, pp. 8-12. doi:[10.4236/msce.2016.41002](https://doi.org/10.4236/msce.2016.41002), 2016.
5. **F. Yalcinkaya**, A. Siekierka, M. Byjak, J. Maryska, Preparation of various nanofibrous composite membranes using wire electrospinning for oil-water separation, *IOP Conf. Ser.: Mater. Sci. Eng.*, Volume 254, Article no 102011, 17th World Textile Conference AUTEX, DOI: 10.1088/1757-899X/254/10/102011, 2017.
6. **F. Yalcinkaya**, Mechanically enhanced electrospun nanofibers for wastewater treatment, *E3S Web of Conferences*, International Conference on Advances in Energy Systems and Environmental Engineering (ASEE17), Volume 22, Article no 00193, 7 pages, DOI: 10.1051/e3sconf/20172200193, 2017.

C) International conference by presenting papers published in full text

1. **F.Yener**, O.Jirsak, ‘Improving Performance of Polyvinyl Butyral Electrospinning’, *3th Nanocon*, ISBN978-80-87294-23-9, Brno, Czech Republic, 2011.
2. **F.Yener**, O.Jirsak, B.Yalçinkaya, “The Determination of Anionic and Non-Ionic Surfactant Effect on Electrospun Nanofibers”, *18th Strutex*, Liberec-Czech Republic, 2011.

3. **F.Yener**, O.Jirsak, B.Yalçinkaya,” Effect of Additives on Needle Electrospinning system, *18th Strutex*, Liberec-Czech Republic, 2011.
4. B.Yalçinkaya, **F.Yener**, O.Jirsak, F. CengizÇallioğlu, 'Influence of NaCl Concentration on the Taylor Cone Number and Spinning Performance', *18th Strutex* Liberec-Czech Republic, 2011.
5. B.Yalçinkaya, O.Jirsak, F.Cengiz Çallioğlu, **F.Yener**, ' The Effect of Concentration on Spinning Performance Using Roller Electrospinning ', *18th Strutex*, Liberec-Czech Republic, 2011.
6. N.Duyar, B.Yalçinkaya, **F.Yener**, “Preparation of Electrospun fibers PVB/CNT Composite Fibers”, *18th Strutex*, Liberec-Czech Republic, 2011.
7. H.G. Sevgisunar, **F.Yener**, B.Yalçinkaya, “Comparision of Needle and Rod Electrospinning System”, *18th Strutex*, Liberec-Czech Republic, 2011.
8. **F. Yener**, O. Jirsak, ‘Optimization and Characterization of Polyvinyl Butyral Nanofibers in Different Acetalisation Degree’, *12th Autex*, ISBN 978-953-7105-47-1,pp. 251-256, Croatia, Zadar 2012.
9. **F. Yener**, O. Jirsak, “Effect of Nonsolvent on Electrospinning Performance and Nanofiber Properties”, *4th Nanocon*, ISBN 978-80-87294-35-2, Brno, pp 471-475, Czech Republic, 2012.
10. B. Yalçinkaya, **F. Yener**, F. CengizCallioğlu, O. Jirsak, “Effect of Solution Concentration and Additive on taylor cone Structure”, *4th Nanocon*, ISBN 978-80-87294-35-2, 1st edition, pp 200-203, Brno, Czech Republic, 2012.
11. O. Jirsak, K. Farana, **F. Yener**, ‘Electrospinning Studies: Jet Forming Force’, *19th Strutex*, Liberec-Czech Republic, 2012.
12. **F. Yener**, O. Jirsak, “Development of New Methods for Study of Mechanism of Electrospinning”, *19th Strutex*, Liberec-Czech Republic, 2012.
13. **F. Yener**, B. Yalcinkaya, O. Jirsak, ‘Roller Electrospinning System: A Novel Method to Producing Nanofibers’, *The International Istanbul Textile Congress*, ISBN: 978-605-4057-37-5, pp. 917-922, Istanbul, Turkey, 2013.
14. B. Yalçinkaya, **F. Yener**, F. Cengiz-Callioğlu, O. Jirsak, ‘Relation between number of Taylor Cone and life of jet on the roller electrospinning’, *The International Istanbul Textile Congress*, ISBN: 978-605-4057-37-5, pp. 213-218, Istanbul, Turkey, 2013.
15. **F. Yener**, B. Yalcinkaya, O. Jirsak, ‘New Measurement Methods for Studying of Mechanism of Roller Electrospinning System’, *5th Nanocon*, Brno, ISBN 978–80–87294–47–5, pp808-812, Czech Republic, 2013.
16. **F. Yalcinkaya**, B. Yalcinkaya, O. Jirsak, Experimental Investigation of Salt Effect on Electrospinning Parameters and Nanofiber Morphology, *6th Nanocon*, Brno, Czech Republic, ISBN 978-80-87294-53-6, 1st edition, pp 785-790, 2014.
17. **F. Yalcinkaya**, M. Komarek, D. Lubasova, F. Sanatrnik, J. Maryska, Producing Antibacterial Textile Material by Weaving PVB/CuO Nanocomposite Fiber Covered Yarn, *6th Nanocon*, Brno, Czech Republic,ISBN 978-80-87294-53-6, 1st edition, pp 421-426, 2014.
18. **F. Yalcinkaya**, B. Yalcinkaya, O. Jirsak, Dependent and Independent Parameters of Needleless Electrospinning, *20th Strutex*, Liberec-Czech Republic, 2014.
19. **F. Yalcinkaya**, B. Yalcinkaya, J. Maryska, Preparation and Characterization of Polyvinyl butyral Nanofibers Containing Silver Nanoparticles, (abstract) *The 5th Conference on Nanomaterials (CN 2016)*, 14-16 January, Bangkok, page 59, 2016.
20. **F. Yalcinkaya**, B. Yalcinkaya, J. Hruza, P. Hrabak, J. Maryska, Nanofibrous Composite Membranes for Microfiltration, *8th Nanocon-International conference on Nanomaterials*, Brno, Czech Republic, October 17 2016.
21. E. Boyraz, **F. Yalcinkaya**, Polymeric Nanofibers Produced by Needleless Electrospinning, *22th Strutex*, Liberec-Czech Republic, 2018.

22. **F. Yalcinkaya**, Ondrej Hofman, Jiri Maryska, Surface Properties of Lowvacuum Plasma Modified Polyvinylidene Fluoride (PVDF) Nanofiber Membranes, 18th World Textile Conference AUTEX, 20-22 June 2018, Istanbul, Turkey.
23. E. Boyraz, **F. Yalcinkaya**, Oily Wastewater Separation by Using Nanofibrous Membrane, 47th Textile Research Symposium, June 17-19, Liberec, Czech Republic, ISBN 978-80-7494-473-4, 2019.

International conference by presenting papers published in abstract

1. **F. Yalcinkaya**, B. Yalcinkaya, J. Hruza, P. Hrabak, Mechanically Enhanced Electrospun Polyamide-6 Nanofiber Composite Membranes for Liquid Filtration, *MELPRO-Membrane and Electrosmembrane Process*, 13-16 May 2018, Prague, Czech Republic.
2. **F. Yalcinkaya**, A. Siekierka, Modified PVDF Nanofibrous Membranes for the Separation of Oil-Water Emulsion, NART-Nanofiber, Applications and Related Technologies, 18-20 Sept 2019, Liberec, Czech Republic.
3. **F. Yalcinkaya**, J. Hruza, J. Maryska, Functional Electrospun Nanofiber Webs for the Separation of Oily Wastewater, Nanocon 2019- 11th International Conference on Nanomaterials - Research & Application, 16-18th October 2019, Brno, Czech Republic.

D) International conference posters presentations

1. **F. Yener**, O. Jirsak, R. Gemci, 'Effect of Polymer Concentration on Electrospinning System', *Fiber Society*, Bursa, spring 2010.
2. **F. Yener**, B. Yalcinkaya, O. Jirsak, 'Effect of Jet Electric Current on Jet Regimes in Electrospinning of Polyvinyl Butyral Solutions', *Fiber Society*, St. Gallen, Spring 2012.
3. **F. Yener**, O. Jirsak, A Study on Physical Principles of Roller Electrospinning, *Advanced Materials World Congress*, ISBN 978-81-920068-3-16, DOI 10.5185/am13.ab-2013, 16-19 September, Izmir, Turkey, 2013.

E) National conference with posters presentations

1. **F. Yener**, O. Jirsak, R. Gemci, 'Effect of Concentration on Roller Electrospinning', *6th Nanoscience and Nanotechnology Conference*, Izmir, Turkey, 2010.
2. **F. Yener**, B. Yalcinkaya, O. Jirsak, M. Kumalo, 'Increasing Fabric Performance of Electrospun Nano Mat', *8th Nanoscience and Nanotechnology Conference*, Abstract 0111, pp. 393, Ankara, Turkey, 2012.
3. **F. Yener**, O. Jirsak, "Development of New Methods for Study of Mechanism of Electrospinning", *Student grant competition of Faculty of Textile Engineering and Faculty of Mechanical Engineering of Technical University of Liberec*, Workshop, Světlnka, 2012.
4. **B. Yalçinkaya**, F. Cengiz Callıoğlu, F. Yener, O. Jirsak, Effect of Polymer and Salt Concentration on Jet Electric Current in Electrospinning, *8th Nanoscience and Nanotechnology Conference*, Abstract 0162, pp. 401, Ankara, Turkey, 2012.

F) Supported by national organizations to take part in the project

1. 'Set up of Needle Electrospinning System' BAP Project, Kahramanmaraş Sutcu Imam University (Project Manager Assistant).

2. 'Development of new methods for the study of the mechanism of electrospinning' Ministry of Education, Youth and Sports of the Czech Republic (Student's grant competition TUL in specific University research in 2012 - Project No. 4866).
3. 'Study of the mechanism of electrospinning' Ministry of Education, Youth and Sports of the Czech Republic (Student's grant competition TUL in specific University research in 2013 - Project No. 48004).
4. 'Manufacture of polymeric membranes based on nanofibers' Ministry of Education, Youth and Sports of the Czech Republic (Student's grant competition TUL in specific University research in 2014 - Project No. 21041) (student).
5. "Nanofiber membranes for wastewater treatment", Nafigate Corporation a.s., 2014 (Project manager, senior researcher).
6. "Research, development and supply of nanofibrous composites for water filtration", Nafigate Corporation a.s., 2014 (Project manager, senior researcher).
7. "Nanofibers in skin care" Nafigate Corporation a.s., 2014 (Project manager, senior researcher)
8. "Nanofibers for cosmetic application" Nafigate Corporation a.s., 2014 (Project manager, senior researcher).
9. "Nanofibers for water purifier technology" Nafigate Corporation a.s., 2014 (Project manager, senior researcher).
10. "LO1201 (financial support of the Ministry of Education, Youth and Sports in the framework of the targeted support of the "National Program for Sustainability I)", Institute for Nanomaterials, Advanced Technology and Innovation, Technical University of Liberec, 2015-2018, (Researcher).
11. "Active nanofibrous membranes for sewage treatment" Institute for Nanomaterials, Advanced Technology and Innovation, Technical University of Liberec, 2017-2018, (Senior Researcher).
12. Development of textile hose with nanofiber functional component 2019-(currently), (Researcher)
13. "Membrane wastewater treatment in the food industry", Institute for Nanomaterials, Advanced Technology and Innovation, Technical University of Liberec, 2015-(currently), (Senior Researcher).
14. "Antimicrobial patches based on nanoparticles modified by nanoparticles", Institute for Nanomaterials, Advanced Technology and Innovation, Technical University of Liberec, 2018-(currently), (Researcher).
15. "PROJECT OP VVV - HYBRID MATERIALS FOR HIERARCHIC STRUCTURES REG. No. CZ.02.1.01/0.0/0.0/16_019/0000843", Institute for Nanomaterials, Advanced Technology and Innovation, Technical University of Liberec, 2018- (currently), (Senior Researcher).
16. "Modular system for treatment of contaminated waters", Institute for Nanomaterials, Advanced Technology and Innovation, Technical University of Liberec, 2016- 2019, (Senior Researcher)
17. Vývoj textilní hadice s nanovláknennou funkční komponentou, (01.01.2019-12.31.2019) (Researcher)
18. Antimikrobiální náplasti na bázi nanovláken modifikovaných pomocí nanočástic (02.01.2020-)(Researcher).
19. Membránové čištění odpadních vod v potravinářském průmyslu (02.01.2020-)(Researcher).
20. Inteligentní filtrace terciárního čištění odpadních vod pomocí super textilií a nano membrán (02.01.2020-)(Researcher).
21. Modernizace výzkumné infrastruktury RINGEN (02.01.2020-)(Researcher).
22. Vývoj výměníků tepla pro zpětné získávání vlhkosti (02.01.2020-)(Researcher).
23. Recyklace technologických vod v nápojovém průmyslu (01.01.2020-)(Researcher).
24. Protection, Resilience, Rehabilitation of damaged environment, COST Action CA19123 (21.09.2020-20.09.2024) (Management Committee of Czech Republic and Working Group Member).

G) Awards Swiss National Science Foundation (SNSF) for the conference Fiber Society, Empa, St. Gallen, 2012.

1. Honourable mention Poster Award in Nanocon. Brno, 2013.
2. Prize Award in Poster Contest, Nanocon, Brno, 2014.

H) Patents

1. Method for Application of a Cosmetic Composition Containing at least One Active Substrate to Skin and a Means for Carrying out this Method for Application of the Cosmetic Composition. Nafigate Cosmetic a.s.; Ladislav Mares, Jana Svobodova, **Fatma Yalcinkaya**. International Patent No: PCT/CZ2015/000111, WO/2016/050227, 07.04.2016.
2. J. Gaálová, **Fatma Yalcinkaya**, P. Cuřínová, M. Kohout, I. Stibor, P. Izák: Separation of Chiral Drugs by Composite Chiral Membrane Based on 1,2- diaminocyclohexane and 1,3-diaminobenzene, CZ 308513 (2020).

I) Book Chapters

1. **F. Yalcinkaya**, B. Yalcinkaya, O. Jirsak, Dependent and Independent Parameters of Roller Electrospinning System, *Electrospinning, Material, Techniques, and Biomedical Applications*, book edited by Sajjad Haider and Adnan Haider, ISBN 978-953-51-2822-9, Print ISBN 978-953-51-2821-2, <http://dx.doi.org/10.5772/65838>, DOI: 10.5772/62860, IntechOpen publisher, Published: December 21, 2016.
2. B. Yalcinkaya, **F. Yalcinkaya**, Nanofibers in Liquid Filtration, *Green electrospinning*, book edited by Nesrin Horzum, Mustafa M. Demir, Rafael Munoz-Espi, Danieal Crespy, ISBN 978-3-11-058139-3, De Gruyter publisher, July 2019.
3. **F. Yalcinkaya**, A. Gul, E. Boyraz, M. Bryjak, Nanofibers for oil-water separation and coalescing filtration, "Electrospun and Nanofibrous Membranes: Principles and Applications" to be published by Elsevier (submitted), 2020.

Invited Lecturer

Nanofibers in Membrane Technology, XV Polish Membrane Society Summer School, Sept. 21-22, 2019, Wroclaw University of Science and Technology, Wroclaw, Poland.

Others

Reviewer at SCI, SSCI, ISI and AHCI indexed journals

1. Journal of Industrial Textiles
2. Journal of Applied Chemistry Science International
3. Polymers for Advanced Technologies
4. American Chemical Science Journal
5. Journal of Inorganic and Organometallic Polymers and Materials
6. IET Micro&Nano Letters
7. RSC Advances
8. Textile Research Journal

9. Sensors and Actuators: A. Physical
10. Iranian Polymer Journal
11. Current Journal of Applied Science and Technology
12. Asian Journal of Research in Medical and Pharmaceutical Sciences
13. Fibers & Textiles in Eastern Europe
14. Industrial & Engineering Chemistry Research
15. Iranian Journal of Chemistry and Chemical Engineering
16. Micro and Nano Letters
17. Polymer Engineering & Science
18. Journal Tekstilec
19. Polymers
20. Journal of Membrane Science
21. Journal of Textiles and Fibrous Materials
22. Membranes
23. Journal of Nanomaterials
24. Nanomaterials
25. Chemical Engineering Research and Design
26. Coatings
27. Journal of Hazardous Materials
28. Applied Sciences

Reviewer at Books, Book Chapters

1. IGI Global Book Chapter, “Composites and Advanced Materials for Industrial Applications”. ISBN13: 9781522552161, ISBN10: 1522552162, EISBN13: 9781522552178, DOI: 10.4018/978-1-5225-5216-1, 2018.

Advisory/Organizing/Technical Committee in Conferences, workshops, exhibitions, journals

1. Organizing Committee: The 5th Conference on Nanomaterials (CN 2016), 14-16 January, Bangkok, Thailand.
2. Advisory Committee: Journal of Engineering Sciences and Design, Mühendislik Bilimleri ve Tasarım Dergisi/Süleyman Demirel University.
3. Editorial Advisory Board: Journal of “Current Nanomaterials”.
4. Conference technical committee: International Conference on Materials Engineering and Applications (ICMEA 2018), 14-16 Ja 2018, Bali, Indonesia.
5. Internation Program Committee Chair: 5th International Conference on Mechanical Engineering, Materials Science and Civil Engineering (ICMEMSCE2017), 15-16 Dec 2017, Kuala Lumpur, Malaysia.
6. Technical Committee, The 9th RMUTP International Conference on Science, Technology and Innovation for Sustainable Development: Challenges Towards the Digital Society, 21-22 June 2018, Bangkok.
7. International Program Committee Chair: 6th International Conference on Metal Material, Process and Manufacturing (ICMEMSCE2017), 19-21 Jul 2018, Jeju Island, South Korea.
8. Guest editor for the special issue “Advanced Nanofibers: Production, Characterization, and Applications”, Journal of Engineered Fibers and Fabrics

Membership to Organizations

1. Senior Member: Hong Kong Chemical, Biological & Environmental Engineering Society (HKCBEEES)
2. International Geothermal Association

Editorial/Guest Editorial for the Journals

1. Guest Editorial for the special issue “Advanced Nanofibers: Production, Characterization, and Applications” (Journal of Textiles and Fibrous Materials).
2. Editorial Board Member for “Composite Materials Research”, PiscoMed Publishing Pte. Ltd., Singapore.

Chairman in conferences

Session: Medical Textiles, Tissue Engineering, Implants, 18th World Textile Conference AUTEX, 20-22 June 2018, Istanbul, Turkey.