

السيرة الذاتية



المعلومات الشخصية

الإسم: بلال معن زعرور

مكان الميلاد: دمشق

تاريخ الميلاد: 1989/1/1

الجنس: ذكر

الحالة الإجتماعية: عازب

الجنسية: عربي سوري

الإقامة: دمشق

الموبايل: 00963992491073/00963964779075

البريد الإلكتروني: Bilalzaarour121@hotmail.com

المؤهلات العلمية

- درجة الدكتوراه في هندسة المنسوجات - تقنية النانو (بتقدير امتياز) 2015-2020 في كلية المنسوجات، جامعة دونغهاوا، الصين.
- درجة الماجستير في إدارة المنشآت النسيجية (بتقدير امتياز) 2013-2015، قسم هندسة ميكانيك الصناعات النسيجية وتقاناتها، كلية الهندسة الميكانيكية والكهربائية، جامعة دمشق.
- دبلوم التأهيل التربوي (بتقدير جيد جداً) 2011-2013، كلية التربية، جامعة دمشق.
- إجازة في هندسة ميكانيك الصناعات النسيجية وتقاناتها (بتقدير جيد جداً) 2006-2011 "المرتبة الأولى من بين 104 طلاب"، كلية الهندسة الميكانيكية والكهربائية، جامعة دمشق.

الخبرات

- تكنولوجيا النانو: هندسة الألياف النانوية، الغزل الكهربائي، خصائص المواد النانوية، الخصائص الميكانيكية للمواد، خصائص البوليمرات، تطبيقات النانو في المجالات المختلفة منها المجال الهندسي، المجال الصناعي، المجال الطبي، المجال البيئي، المجال الغذائي وغيرها الكثير.
- البحث العلمي والنشر الخارجي.
- هندسة المنسوجات.
- عملت كمعيد في قسم هندسة ميكانيك الصناعات النسيجية وتقاناتها، كلية الهندسة الميكانيكية والكهربائية، جامعة دمشق ، من 2012 إلى 2015.
- العمل الحالي: مدرس في قسم هندسة ميكانيك الصناعات النسيجية وتقاناتها، كلية الهندسة الميكانيكية والكهربائية، جامعة دمشق.

الجوائز والإنجازات

- حاصل على شهادة الشهيد باسل الأسد للتفوق الدراسي خلال مرحلة الإجازة عن السنة الأولى والثانية والثالثة والرابعة وشهادة الشهيد باسل الأسد للخريج الأول.
- نشر 18 بحث علمي في مجلات عالمية محكمة (Scientific Citation Index).
- جائزة الطالب المتميز (3 مرات) في جامعة دونغهاوا، الصين.
- جائزة مجلس المنح الدراسية الصيني (China Scholarship Council) للطلبة الأجانب المتفوقين المقدمة من وزارة التعليم العالي في الصين.
- سفير الخريجين الدوليين في جامعة جامعة دونغهاوا، الصين.
- جائزة الخريج الدولي الممتاز في جامعة دونغهاوا، الصين.
- مُراجع علمي في دور النشر العالمية (Sage & Springer) منذ العام 2018.
- سفير للناشرين في دار النشر العالمي Bentham Science عام 2019.
- تم اختياري كباحث من أوائل الباحثين على مستوى جامعة دمشق للعام 2019-2020.
- المشاركة في العديد من المؤتمرات العالمية.
- المشاركة في مؤتمر الباحثين السوريين المغتربين الافتراضي 2020 تحت عنوان " نحو اقتصاد المعرفة: دور الباحثين السوريين المغتربين في الوطن والمغترب".
- محرر في المجلة العالمية المحكمة باللغة الإنكليزية World Journal of Textile Engineering and Technology.

يمكنكم الإطلاع على إنجازاتي العالمية من خلال المواقع التالية:

1. ORCID ID: <http://orcid.org/0000-0001-6572-872X>.
2. ResearchGate: https://www.researchgate.net/profile/Bilal_Zaarour.
3. Google Scholar: <https://scholar.google.com/citations?user=K7rUm5gAAAAJ&hl=en>.
4. Publons: <https://publons.com/researcher/1418831/bilal-zaarour>.
5. Kudos: https://growkudos.com/profile/bilal_zaarour.
6. Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57203663602>.
7. Semantic Scholar: <https://www.semanticscholar.org/me/research>.

المهارات

- اللغات: العربية والإنجليزية والصينية.
- الحاسوب: الرخصة الدولية لقيادة الحاسوب (ICDL)، SPSS والعديد من البرامج الهندسية.
- مهارات البحث العلمي والنشر الخارجي.

المنشورات العلمية العالمية والمحلية

1. **Bilal Zaarour, Lei Zhu, Chen Huang, and Xiangyu Jin.** Controlling the secondary surface morphology of electrospun PVDF nanofibers by regulating the solvent and relative humidity. **Nanoscale research letters.** 13 (1), 285-295, 2018. DOI: 10.1186/s11671-018-2705-0.
2. **Bilal Zaarour, Lei Zhu, Chen Huang, and Xiangyu Jin.** Fabrication of a polyvinylidene fluoride cactus-like nanofiber through one-step electrospinning. **RSC advances.** 8 (74), 42353-42360, 2018. DOI: 10.1039/C8RA09257E.

3. **Bilal Zaarour, Wenxin Zhang, Lei Zhu, Xiangyu Jin, and Chen Huang.** Maneuvering surface structures of polyvinylidene fluoride nanofibers by controlling solvent systems and polymer concentration. **Textile Research Journal**. 89 (12), 2406-2422, **2019**. DOI: 10.1177/0040517518792748.
4. **Bilal Zaarour, Lei Zhu, Chen Huang, and Xiangyu Jin.** Enhanced piezoelectric properties of randomly oriented and aligned electrospun PVDF fibers by regulating the surface morphology. **Journal of applied polymer science**. 136(6), 47049-47056, **2019**. DOI: 10.1002/app.47049.
5. **Bilal Zaarour, Hadeel Alghafari, Lei Zhu, Chen Huang, Xiangyu Jin, Jian Fang, and Lin Tong.** A Review on piezoelectric fibers and nanowires for energy harvesting. **Journal of Industrial Textiles**. **2019**. DOI: 10.1177/1528083719870197.
6. **Bilal Zaarour, Lei Zhu, and Xiangyu Jin.** Controlling the surface structure, mechanical properties, crystallinity, and piezoelectric properties of electrospun PVDF nanofibers by maneuvering molecular weight. **Soft Materials**. 17(2), 181-189, **2019**. DOI: 10.1080/1539445X.2019.1582542.
7. **Lei Zhu, Bilal Zaarour, and Xiangyu Jin (Lei Zhu and Bilal Zaarour are contributed equally).** Unexpectedly high oil cleanup capacity of electrospun poly (vinylidene fluoride) fiber webs induced by spindle porous bowl like beads. **Soft Materials**. 17(4), 410-417, **2019**. DOI: 10.1080/1539445X.2019.1614060.
8. **Lei Zhu, Bilal Zaarour, and Xiangyu Jin (Lei Zhu and Bilal Zaarour are contributed equally).** Fabrication of perfect CMCS/PVA nanofibers for keeping food fresh via an in situ mixing electrospinning. **Materials Research Express**. 6, 125001- 125007, **2019**. DOI: 10.1088/2053-1591/ab5396.
9. **Bilal Zaarour, Lei Zhu, Chen Huang, and Xiangyu Jin.** A mini review on the fabrication of crimped nanofibers via electrospinning: materials, strategies, and applications. **Polymers for Advanced Technologies**, 31(7): 1449-1462, **2020**. DOI: 10.1002/pat.4876.
10. **Bilal Zaarour, Lei Zhu, and Xiangyu. Jin.** Branched nanofibers with tiny diameters for air filtration via one-step electrospinning. **Journal of Industrial Textiles**. **2020**. DOI: 10.1177/1528083720923773.
11. **Bilal Zaarour, Lei Zhu, and Xiangyu. Jin.** Maneuvering the secondary surface morphology of electrospun poly (vinylidene fluoride) nanofibers by controlling the processing parameters. **Materials Research Express**. 7 (1): 015008- 015017, **2020**. DOI: 10.1088/2053-1591/ab582d.
12. **Bilal Zaarour, Lei Zhu, Chen Huang, and Xiangyu Jin.** A review on the secondary surface morphology of electrospun fibers: formation mechanisms, characterizations, and applications. **ChemistrySelect**. 5(4): 1335-1348, **2020**. DOI: 10.1002/slct.201903981.

13. **Lei Zhu, Bilal Zaarour, and Xiangyu Jin (Lei Zhu and Bilal Zaarour are contributed equally).** Direct generation of electrospun interconnected macroporous nanofibers by using a water bath as a collector. **Materials Research Express**. 7(1): 015082-015088, 2020. DOI: 10.1088/2053-1591/ab6c1e/meta.
14. **Bilal Zaarour, Lei Zhu, and Xiangyu. Jin.** Direct generation of electrospun branched nanofibers for energy harvesting. **Polymers for Advanced Technologies**. 2020. DOI: 10.1002/pat.4992.
15. **Wenxin Zhang, Bilal Zaarour, Lei Zhu, Bugao Xu, and Xiangyu. Jin (Wenxin Zhang, Bilal Zaarour are contributed equally).** A comparative study of electrospun PVDF and PVDF-TrFE fiber webs: mechanical properties, crystallinity, and piezoelectric properties. **Journal of Engineered Fibers and Fabrics**, 2020. DOI: 10.1177/1558925020939290.
16. **Bilal Zaarour, Lei Zhu, and Xiangyu. Jin.** Direct fabrication of electrospun branched nanofibers with tiny diameters for oil absorption. **Journal of Dispersion Science and Technology**. 2020. DOI: 10.1080/01932691.2020.1798779.
17. **Mohammed Kayes Patoary, Bilal Zaarour, Syed Rashedual Islam, and Lifang Liu.** Effects of phosphorylation duration on the jute extracted cellulose nanofibrils using ultra-sonication. **ChemistrySelect**. 2020. DOI: 10.1002/slct.20203431.
18. **Mohammed Kayes Patoary, Amjad Farooq, Bilal Zaarour, and Lifang Liu.** Phosphorylated cellulose nanofibrils: structure-morphology-rheology relationships. **Cellulose**. 2021. DOI:10.1007/s10570-021-03786-x.
19. **Bilal Zaarour, Moheddin Hammoud, and Hussein Teina.** The importance of using (7TOOLS) in the manufacture of non-woven fabric. **Albaath University**. 2015.
<https://www.researchgate.net/publication/327237330> The importance of using 7TOOLS in the manufacture of non-woven fabric.

BILAL ZAAROUR

PERSONAL INFORMATION

- Date of Birth: 01/01/1989
- Place of Birth: Damascus
- Gender: Male
- Marital Status: Single
- Nationality: Syrian
- Residence: Syria
- Working place: Department of Textile Industries Mechanical Engineering and their Techniques, Damascus University, Syria.
- Phone: 00963992491073/00963964779075
- Email: Bilalzaarour121@hotmail.com



EDUCATION

- Doctor's degree in Textile engineering-Nanotechnology (Excellent degree) 2015-2020 at the department of nonwoven materials, college of textiles, Donghua University, China. Doctoral dissertation title "Electrospun poly (vinylidene fluoride) nanofiber nonwovens with secondary surface morphology: preparation, characterization, and applications"
- Master's degree in nonwoven fabrics (Excellent degree) 2012-2015, at textile industries mechanical engineering and their techniques department, Damascus University, Syria.
- Bachelor's degree in textile industries mechanical engineering and their techniques (Very good degree) 2006-2011, Damascus University, Syria. "Ranked first of 104 students".

EXPERIENCE

- Nanomaterials: Engineering Nanofibers; Electrospinning; Material Characterization; Mechanical Properties; Polymers Surface; Applications of nano materials in various fields, including engineering field, industrial field, medical field, environmental field, keeping food fresh field and many others..
- I worked as a teacher assistant at textile industries mechanical engineering and their techniques department, faculty of mechanical & electrical engineering, Damascus University, Syria from 2012 to 2015.

How can you find the academic achievements of Bilal Zaarour on the website?

1. ORCID ID: <http://orcid.org/0000-0001-6572-872X>.
2. ResearchGate: https://www.researchgate.net/profile/Bilal_Zaarour.
3. Google Scholar: <https://scholar.google.com/citations?user=K7rUm5gAAAAJ&hl=en>.
4. Publons: <https://publons.com/researcher/1418831/bilal-zaarour>.
5. Kudos: https://growkudos.com/profile/bilal_zaarour.
6. Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57203663602>.
7. Semantic Scholar: <https://www.semanticscholar.org/me/research>.

Awards and Contributions

- Basil al-Assad certificate of academic excellence 2007 at Damascus University.
- Basil al-Assad certificate of academic excellence 2008 at Damascus University.
- Basil al-Assad certificate of academic excellence 2009 at Damascus University.
- Basil al-Assad certificate of academic excellence 2010 at Damascus University.
- Basil al-Assad certificate of excellence for the first graduate 2011 at Damascus University.
- The certificate of merit provided by Donghua University in 2016-2017.
- Scientific reviewer in the Springer & Sage Publishers since 2018.
- The academic competition and scientific research award presented by Donghua University in 2019.
- Representing Donghua University in scientific activity (Beijing activity) in 2019.
- Editor in the American Journal of Nano Research and Applications since 2019.
- Ambassador Bentham Science in the Bentham Science Publisher in 2019.
- China Scholarship Council (CSC) outstanding student scholarship provided by the Ministry of Education in China in 2019.
- The certificate of merit provided by Donghua University in 2019-2020.
- New Era Ambassador of Donghua University in 2020.
- Excellent international graduate of Donghua University in 2020.
- Participating in many international conferences.
- Editor in the journal of World Journal of Textile Engineering and Technology since 2021.

SKILLS

Language

English, Arabic, and Chinese.

Computer knowledge

International Computer Driving License, SPSS, and scientific applications.

List of publications

1. **Bilal Zaarour, Lei Zhu, Chen Huang, and Xiangyu Jin.** Controlling the secondary surface morphology of electrospun PVDF nanofibers by regulating the solvent and relative humidity. **Nanoscale research letters**. 13 (1), 285-295, 2018. DOI: 10.1186/s11671-018-2705-0.
2. **Bilal Zaarour, Lei Zhu, Chen Huang, and Xiangyu Jin.** Fabrication of a polyvinylidene fluoride cactus-like nanofiber through one-step electrospinning. **RSC advances**. 8 (74), 42353-42360, 2018. DOI: 10.1039/C8RA09257E.
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4. **Bilal Zaarour, Lei Zhu, Chen Huang, and Xiangyu Jin.** Enhanced piezoelectric properties of randomly oriented and aligned electrospun PVDF fibers by regulating the surface morphology. **Journal of applied polymer science**. 136(6), 47049-47056, 2019. DOI: 10.1002/app.47049.
5. **Bilal Zaarour, Hadeel Alghafari, Lei Zhu, Chen Huang, Xiangyu Jin, Jian Fang, and Lin Tong.** A Review on piezoelectric fibers and nanowires for energy harvesting. **Journal of Industrial Textiles**. 2019. DOI: 10.1177/1528083719870197.
6. **Bilal Zaarour, Lei Zhu, and Xiangyu Jin.** Controlling the surface structure, mechanical properties, crystallinity, and piezoelectric properties of electrospun PVDF nanofibers by maneuvering molecular weight. **Soft Materials**. 17(2), 181-189, 2019. DOI: 10.1080/1539445X.2019.1582542.
7. **Lei Zhu, Bilal Zaarour, and Xiangyu Jin (Lei Zhu and Bilal Zaarour are contributed equally).** Unexpectedly high oil cleanup capacity of electrospun poly (vinylidene fluoride) fiber webs induced by spindle porous bowl like beads. **Soft Materials**. 17(4), 410-417, 2019. DOI: 10.1080/1539445X.2019.1614060.

8. **Lei Zhu, Bilal Zaarour, and Xiangyu Jin (Lei Zhu and Bilal Zaarour are contributed equally)**. Fabrication of perfect CMCS/PVA nanofibers for keeping food fresh via an in situ mixing electrospinning. **Materials Research Express**. 6, 125001- 125007, **2019**.
DOI: 10.1088/2053-1591/ab5396.
9. **Bilal Zaarour, Lei Zhu, Chen Huang, and Xiangyu Jin**. A mini review on the fabrication of crimped nanofibers via electrospinning: materials, strategies, and applications. **Polymers for Advanced Technologies**, 31(7): 1449-1462, **2020**. *DOI: 10.1002/pat.4876.*
10. **Bilal Zaarour, Lei Zhu, and Xiangyu. Jin**. Branched nanofibers with tiny diameters for air filtration via one-step electrospinning. **Journal of Industrial Textiles**. **2020**.
DOI: 10.1177/1528083720923773.
11. **Bilal Zaarour, Lei Zhu, and Xiangyu. Jin**. Maneuvering the secondary surface morphology of electrospun poly (vinylidene fluoride) nanofibers by controlling the processing parameters. **Materials Research Express**. 7 (1): 015008- 015017, **2020**. *DOI: 10.1088/2053-1591/ab582d.*
12. **Bilal Zaarour, Lei Zhu, Chen Huang, and Xiangyu Jin**. A review on the secondary surface morphology of electrospun fibers: formation mechanisms, characterizations, and applications. **ChemistrySelect**. 5(4): 1335-1348, **2020**. *DOI: 10.1002/slct.201903981.*
13. **Lei Zhu, Bilal Zaarour, and Xiangyu Jin (Lei Zhu and Bilal Zaarour are contributed equally)**. Direct generation of electrospun interconnected macroporous nanofibers by using a water bath as a collector. **Materials Research Express**. 7(1): 015082-015088, **2020**.
DOI: 10.1088/2053-1591/ab6c1e/meta.
14. **Bilal Zaarour, Lei Zhu, and Xiangyu. Jin**. Direct generation of electrospun branched nanofibers for energy harvesting. **Polymers for Advanced Technologies**. **2020**.
DOI: 10.1002/pat.4992.
15. **Wenxin Zhang, Bilal Zaarour, Lei Zhu, Bugao Xu, and Xiangyu. Jin (Wenxin Zhang, Bilal Zaarour are contributed equally)**. A comparative study of electrospun PVDF and PVDF-TrFE fiber webs: mechanical properties, crystallinity, and piezoelectric properties. **Journal of Engineered Fibers and Fabrics**, **2020**. *DOI: 10.1177/1558925020939290.*

16. **Bilal Zaarour, Lei Zhu, and Xiangyu. Jin.** Direct fabrication of electrospun branched nanofibers with tiny diameters for oil absorption. **Journal of Dispersion Science and Technology**. **2020**. DOI: *10.1080/01932691.2020.1798779*.
17. **Mohammed Kayes Patoary, Bilal Zaarour, Syed Rashedual Islam, and Lifang Liu.** Effects of phosphorylation duration on the jute extracted cellulose nanofibrils using ultrasonication. **ChemistrySelect**. **2020**. DOI: *10.1002/slct.20203431*.
18. **Mohammed Kayes Patoary, Amjad Farooq, Bilal Zaarour, and Lifang Liu.** Phosphorylated cellulose nanofibrils: structure-morphology-rheology relationships. **Cellulose**. **2021**. DOI:10.1007/s10570-021-03786-x.
19. **Bilal Zaarour, Moheddin Hammoud, and Hussein Teina.** The importance of using (7TOOLS) in the manufacture of non-woven fabric. **Albaath University**. **2015**.
https://www.researchgate.net/publicationz/327237330_The_importance_of_using_7TOOLSin_the_manufacture_of_non-woven_fabric.