

**List of Publications: Books published– 3; Chapters in books - 12;
Papers in professional journals -288; Submitted papers-3; Papers
in proceedings of professional conferences – 59, Miscellaneous
publications - 7**

Books

1. A.L. Yarin, *Free Liquid Jets and Films: Hydrodynamics and Rheology*. Longman Scientific & Technical and Wiley & Sons, Harlow, New York, 1993, 446 pp.
2. A.L. Yarin, *Electrospinning of Nanofibers from Polymer Solutions and Melts*. Lecture Notes 5. Centre of Excellence for Advanced Materials and Structures, Warsaw, 2003, 110 pp.
3. A.L. Yarin, B. Pourdeyhimi, S. Ramakrishna. *Fundamentals and Applications of Micro- and Nanofibers*. Cambridge University Press, Cambridge, 2014.

Chapters in books

1. V.M. Entov and A.L. Yarin, "Dynamics of Free Liquid Jets and Films of Viscous and Rheologically Complex Liquids". *Advances in Mechanics, VINITI, Mekhanika Zhidkosti i Gaza (Fluid Dynamics)*, 18, 112-197 (1984) (in Russian).
2. A.L. Yarin, "Self-similarity". *Springer Handbook of Experimental Fluid Mechanics*, pp. 57-82 (2007).
3. A.L. Yarin, "Drop Impact Dynamics: Splashing, Spreading, Receding, Bouncing...". *Annual Review of Fluid Mechanics* v.38, 159-192 (2006).
4. D.H. Reneker, A.L. Yarin, E. Zussman and H. Xu, "Electrospinning of Nanofibers from Polymer Solutions and Melts" *Advances in Applied Mechanics* v. 41, 43-195 (2007).
5. D.H. Reneker, A.L. Yarin, E. Zussman, S. Koombhongse and W. Kataphinan, "Nanofiber Manufacturing: Toward Better Process Control" *American Chemical Society Series 918*, Chapter 2 (Eds. D.H. Reneker and H. Fong), 7-20, 2006.
- 6.....C.J. Thompson, G.G. Case, A.L. Yarin and D.H. Reneker, "Effects of Parameters on Nanofiber Diameter Determined from Electrospinning Model", *Nanotechnology Research: New Nanostructures*. (Xiaohua Huang, Ed.). Chapter 6, pp. 223-242, Nova Science Publishers Inc., 2007.
7. J.K. Wise, M. Cho, E. Zussman, C.M. Megaridis and A.L. Yarin, "Electrospinning techniques to control deposition and structural alignment of nanofibrous scaffolds for cellular orientation and cytoskeletal reorganization", *Nanotechnology and Tissue Engineering*, pp. 243-260. (Editors: C.T. Laurencin and L.S. Nair) CRC Press, Taylor and Francis (2008).
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- Engineering, 2nd Edition (Editors: C.T. Laurencin and L.S. Nair), pp. 285- 303, CRC Press, Taylor and Francis (2014).
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 10. A.L. Yarin. Chapter 2. Bending and buckling instabilities of free liquid jets: experiments and general quasi-one-dimensional model. Springer Handbook of Atomization and Sprays, pp. 55-73, Springer, Heidelberg (2011).
 11. S. Sinha-Ray, Y. Zhang, A.L. Yarin, S.C. Davis, B. Pourdeyhimi. Solution blowing of soy protein fibers. Chapter 20 in Biobased Monomers, Polymers, and Materials (Editors: Smith, P.B., Gross R.A.). pp. 335-348. American Chemical Society Symposium Series 1105, Washington, 2012 (distributed by Oxford University Press).
 12. J.K. Wise, M. Cho, E. Zussman, C.M. Megaridis and A.L. Yarin, "Electrospinning techniques to control deposition and structural alignment of nanofibrous scaffolds for cellular orientation and cytoskeletal reorganization", *Nanotechnology and Regenerative Engineering*, pp. 285-303. (Editors: C.T. Laurencin and L.S. Nair)CRC Press, Taylor and Francis (2015).

Papers in professional journals published in English.

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2. V.B. Librovich and A.L. Yarin, "Problems of the mechanical strength in the combustion theory", *Archivum Combustionis*, 8, No. 2, 79 - 99 (1988).
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