

## **References:**

1. Arinstein A. *Electrospun Polymer Nanofiber*; Singapore: Jenny Stanford Publishing; 2017; 208 p.
2. Filatov Yu, Budyka A, Kirichenko V. *Electrospun Polymer Nanofiber*. New York: Begell House Inc publ.; 2007; 404 p.
3. Ramakrishna S, Fujihara K. *An Introduction to Electrospinning and Nanofibers*. Singapore: World Scientific Publishing Company; 2005, 396 p.
4. Druzhinin E A. Proizvodstvo i svoistva filtruyuschich materialov Petryanova iz ultratlonkich polimernych volokon. Moscow: IzdAT; 2007, 280 p.
5. Asmatulu R, Khan W S. *Synthesis and Applications of Electrospun Nanofibers*. Amsterdam: Elsevier Science; 2018, 306 p.
6. Rylkova M V, Bokova E S, Kovalenko G M, Filatov I Yu. Use of Water-Soluble Polymers for Electrospinning Processing. *Fibre Chemistry* 2012; 44, 3: 146-148.
7. Sonina A N, Uspenskii S A, Vikhoreva G A, Filatov Yu N, Gal'braikh L S. Production of Nanofibre Materials from Chitosan by Electrospinning (Review). *Fibre Chemistry* 2011; 42, 6: 350-358.
8. Sokolov VV, Kil'deeva NR, Filatov YN. Preparation of Ultrathin Fibers from Copolyacrylmethacrylate Eudragit E Solutions by Electroforming. *Fibre Chemistry* 2012; 43, 6: 406-411.
9. Smul'skaya MA, Filatov YN. Optimization of Structure of Composite for Liquid Filtration Based on Membranes Produced by Electrospinning. *Fibre Chemistry* 2017; 49, 3: 195-199.
10. Gladyshev NF, Gladysheva TV, Suvorova YuA, Putin SB, Filatov YuN, Smulskaya MA, Filatov IYu, Rodaev VV, Ermakov AA. Poluchenie voloknistyh ftoropolimernyh kompozitov dlya pogloscheniya dioksida ugleroda metodom elektroformovaniya. *Khiicheskaya Tehnologiya* 2014; 15, 2: 102-105.
11. Kapustin IA, Filatov IY, Filatov YN. Development of Production Technology for Non-Woven Filtering Materials for Monitoring Atmospheric Aerosols at RF Radionuclide Stations. *Fibre Chemistry* 2013; 44, 5: 299-303.

12. Ol'khov AA, Akatov VS, Prosvirin AA, Staroverova OV, Iordanskii AL, Filatov YN, Gol'dshtrakh MA. Implants for Reconstructive Surgery Based on Electrospun Poly(3-hydroxybutyrate) fibers. *Fibre Chemistry* 2017; 49, 3: 222-226.
13. Ekidin A A, Vasyanovich M E, Antonov K L, Markov D V, Markova Zh D, Kapustin I A, Filatov I Y. Control of Aerosol and Gaseous Compounds of Iodine Isotopes in the Ventilation System of the IVV-2M Reactor Facility. *Physics of Atomic Nuclei* 2018; 81, 10: 1494-1498.
14. Kovalenko GM, Bokova ES, Mirontseva VV, Filatov IY. Electrospun Fibrous Materials Made of Collagen and Chitin Derivatives. *Fibre Chemistry* 2017; 48, 6: 466-469.
15. Filatov IYu, Filatov YuN, Yakushkin MS. Elektroformovanie voloknistykh materialov na osnove polimernych mikro- i nanovolokon. Istoryya, teoriya, technologiya, primenie. *Vestnik MITCHT* 2008; 3, 5: 3-18.
16. Kozlov VA, Yakushkin MS, Филатов ЮН. Osobennosti apparurnogo oformleniya prozessa elektroformovaniya polimernyh nano- и mikrovoloknistykh materialov. *Vestnik MITCHT* 2011; 6, 3: 28-33.
17. Zhou F-L, Gong R-H, Porat I. Mass Production of Nanofibre Assemblies by Electrostatic Spinning. *Polymer International* 2009; 58, 4: 331-342.
18. Niu H, Lin T. Fiber Generators in Needleless Electrospinning. *Journal of Nanomaterials* 2012; 1: 1-13.
19. Luo C J, Stoyanov S D, Stride E, Pelan E, Edirisinghe M. Electrospinning Versus Fibre Production Methods: from Specifics to Technological Convergence. *Chemical Society Reviews* 2012; 41, 13: 4708.
20. Persano L, Camposeo A, Tekmen C, Pisignano D. Industrial Upscaling of Electrospinning and Applications of Polymer Nanofibers: a Review. *Macromolecular Materials and Engineering* 2013; 298, 5: 504-520.
21. Saleh Hudin H S, Mohamad E N, Mahadi W N L, Muhammad Afifi A. Multiple-Jet Electrospinning Methods for Nanofiber Processing: A Review. *Materials and Manufacturing Processes* 2017; 33, 5: 479-498.

22. Doshi J, Reneker D H. Electrospinning Process and Applications of Electrospun Fibers. *Journal of Electrostatics* 1995; 35, 2-3: 479-498.
23. Yamashita Y, Ko F, Miyake H, Higashiyama A. Establishment of Nanofiber Preparation Technique by Electrospinning. *FIBER* 2008; 64, 1: 24-28.
24. Yang Y, Jia Z, Li Q, Hou L, Liu J, Wang L, Zahn M. A Shield Ring Enhanced Equilateral Hexagon Distributed Multi-Needle Electrospinning Spinneret. *IEEE Transactions on Dielectrics and Electrical Insulation* 2010; 17, 5: 1592-1601.
25. Wu Y-K, Wang L, Fan J, Shou W, Liu Y. A Double-Switching Voltage: Controlling Multiple Jets in Electrospinning. *Materials Letters* 2018; 233: 359-362.
26. Petrik S, Maly M. Production Nozzle-Less Electrospinning Nanofiber Technology. *MRS Proceedings* 2009; 1, 5: 1240.
27. Forward Keith M, Rutledge Gregory C. Free Surface Electrospinning from a Wire Electrode. *Chemical Engineering Journal* 2012; 183, 5: 492-503.
28. Yalcinkaya F. Preparation of Various Nanofiber Layers Using Wire Electrospinning System. *Arabian Journal of Chemistry* 2016; 1: 134-135.
29. Um I C, Fang D, Hsiao B S, Okamoto A, Chu B. Electro-Spinning and Electro-Blowing of Hyaluronic Acid. *Biomacromolecules* 2004; 5, 4: 1428-1436.
30. Lin Y, Yao Y, Yang X, Wei N, Li X, Gong P, Wu D. Preparation of Poly(Ether Sulfone) Nanofibers by Gas-Jet/Electrospinning. *Journal of Applied Polymer Science* 2007; 107, 2: 909-917.
31. Hsiao H-Y, Huang C-M, Liu Y-Y, Kuo Y-C, Chen H. Effect of Air Blowing on the Morphology and Nanofiber Properties of Blowing-Assisted Electrospun Polycarbonates. *Journal of Applied Polymer Science* 2012; 124, 6: 4904-4914.
32. Weitz R T, Harnau L, Rauschenbach S, Burghard M, Kern K. P Polymer Nanofibers via Nozzle-Free Centrifugal Spinning. *Nano Letters* 2008; 8, 4: 1187-1191.
33. Engström J, Hagström B. Centrifugal Spinning of Nano-Fiber Webs - A Parameter Study of A Novel Spinning Process. *Nord. Text. J.* 2009; 1: 83-91.