

Списък

на трудовете на доц.д-р инж. Евгени Бориславов Симеонов

Раздел I. Научни публикации и доклади, представени за доцентура

1. Минчев А., С.Минков, Е.Симеонов, "Кинетика на сушене на царевично зърно във вихров и кпящ слой"*Сборник ТНТМ, ВХТИ-София*, с.86-90, 1982.
2. Симеонов Е., и кол.,Инсталация за непрекъснато сушене на насипни материали, **Авт. свид.** НРБ, №40764, 1985.
3. Симеонов Е.,А.Минчев, Непрекъснато действащ шнеков екстрактор за твърди материали, **Авт. свид.** НРБ, №42857, 1986.
4. Минчев А.,Е.Симеонов, "Гидродинамические исследования новой конструкции непрерывно действующего шнекового экстрактора", *Журнал Прикладной Химии*, т.60, №12, с.2704-2707, 1987. **IF=0,217**
5. Симеонов Е., и кол.,Метод и инсталация за екстрагиране на полезни компоненти от растителни сировини, **Авт. свид.** НРБ, №50067, 1989.
6. Симеонов Е.,А.Минчев, "Исследование массообмена в шнековом экстракторе новой конструкции", *Журнал Прикладной Химии*, т.62, №4, с.879-882, 1989. **IF=0,217**
7. Симеонов Е.,А.Минчев, Херметизираща глава на непрекъснато действащ шнеков екстрактор, **Авт. свид.** НРБ, №47366, 1989.
8. Симеонов Е.,А.Минчев, "Метод расчета непрерывно действующего шнекового экстрактора", *Журнал Прикладной Химии*, т.63, №10, с.2281-2284, 1990. **IF=0,217**
9. Mintchev A., E.Simeonov,"Method for calculation a new construction screw extractor, *Wspolpraca Miedzy Politechnica Lodzka*, Lodz, Mey, pp. ,1990
10. Simeonov E.,I.Tsibranska, A.Minchev,"Solid-liquid extraction from plants- experimental kinetics and modeling",*Chemical Engineering Journal*, v.73, pp.255-259, 1999. **IF=0,637**
11. Simeonov E.,A.Minchev,"Screw extractor for solid materials – Hidrodynamic studies and scaling",*Russ. Journal of Applied Chemistry*, v.72, №4, pp.675-678, 1999.
- 11.А.Симеонов Е.,А.Минчев, "Шнековый экстрактор для твердых материалов (гидродинамические исследования и масштабирование)", *Журнал Прикладной Химии*, т.72, №4, с.650-653, 1999. **IF=0,217**

12. Simeonov E., A.Minchev,"Solid-liquid extraction from plants – kinetics and kinetic coefficients", *12th Romanian International Conference on Chemistry and Chemical Engineering, RICCCE 12*, Bucharest, Romania September 13-15, 2001.
13. Simeonov E.,I.Seikova, A.Minchev,"Study on the variable internal porosity during extraction from vegetable material" *Journal of the University of Chemical Technology and Metallurgy*, XXXVII, 3, pp.19-26, 2002.
14. I.Seikova, E.Simeonov, I.Penchev, A.Minchev,"Modelisation d'un contacteur a vis en extraction de la matiere vegetale", *Journal of the University of Chemical Technology and Metallurgy*, XXXVII, 5, pp.181-190, 2002.
15. Simeonov E.,I.Seikova, I.Penchev, A.Minchev,"Modelling of a screw solid-liquid extractor through concentration evolution experiments", *Industrial and Engineering Chemistry Research*, 42, pp.1433-1438, 2003. **IF=1,290**
16. Seikova I.E.Simeonov, "Determination of Solid Deformation Effect on the Effective Diffusiviti During Extraction from Plants", *Separation Science and Technology*, v.38, 15, pp.3713-3729, 2003. **IF=0,911**
17. Simeonov E.,A.Minchev,"Calculation and Control of Solid-Liquid Extraction with Characteristic Function", *Russ. Journal of Applied Chemistry*, v.76, №4, pp.544-546, 2003. **IF=0,217**
- 17.А.Симеонов Е.,А.Минчев, "Вычисление и управление экстракции твердое тело – жидкость при помощи характеристической функции", *Журнал Прикладной Химии*, т.76, №4, с.564-566, 2003. **IF=0,217**
18. Simeonov E., A.Minchev,"Kinetics of multistage extraction from vegetable raw materials", *Journal of the University of Chemical Technology and Metallurgy*, XXXVIII, 1, pp.91-98, 2003.
19. Seikova I.E.Simeonov, E.Ivanova, "Protein Leaching from Tomato Seed- Experimental Kinetics and Prediction of Effective Diffusivity", *Journal of Food Engineering*, 61,pp.165-171, 2004. **IF=0,601**
20. Simeonov E.,I.Seikova,"Evaluation of the Variable Internal Porosity During Solid-Liquid Extraction", *Bulgarian Chemical Communications*, vol.35,№2, 2003. **IF=0,229**

21. Mintchev A., E.Simeonov, "Hidrodinamic Study of a New Construction Screw Extractor", *31st IUPAC, Abstr. Of Poster comm.*, vol.3, pp.3-36, July 13-18, 1987, Sofia Bulgaria
22. Simeonov E., A.Minchev, "Mass Transfer Study of a New Construction Srew Extractor", *IV Международна лятна школа, Моделиране на топло и мащообменни процеси, химичните и биохимични реактори*, Варна, 15-23 май, 1989, България.
23. Simeonov E., A.Minchev, "Kinetics of multistage extraction from vegetable raw materials", *Jubilee Scientific Conference Whit International Participation*, Sofia, 4-5 June 2003, Bulgaria.

Раздел II. Монографии, научни публикации и доклади, представени за професура

Монографии

24. 1. Симеонов Е., „Екстракция на биоактивни компоненти от растителни сировини. Кинетика и моделиране“, Ес принт, София, 2017.

Научни публикации и доклади

25. 1. **Simeonov E.**, I.Seikova, I.Penchev, A.Minchev, "Scale-Up of the Solid-Liquid Extraction Using Characteristic Function Technique", *Industrial and Engineering Chemistry Research*, 43, pp.4903-4907, 2004. **IF = 2,235**
26. 2. **Simeonov E.**, J.Nedialcova, "Process Control and Estimation of Multistage Extraction Using Characteristic Function Approah", *Journal of the University of Chemical Technology and Metallurgy*, 41, 4, p.445-448, 2006.
27. 3. **Simeonov E.**, S.Diankov, A.Sirakov, Multistage Extraction of Vegetable Raw Materials – Effective Diffusivity and Extraction Yield, *Science De La Nutrition, Techniques et Technologies, 19-20 Octobre, Plovdiv*, p.64-69, 2007.
28. 4. Diankov S., **E.Simeonov**, A.Sirakov, Supercritical Extraction of Active Substances from Silybum Marianum, *Science De La Nutrition, Techniques et Technologies, 19-20 Octobre, Plovdiv*, p.58-63, 2007.

29. **5.**Diankov S., **E. Simeonov**, K. Tomova, "Modelling Of Multistage Extraction Kinetics For *Nicotiana Tabacum L.* - Water System, *Journal of the University of Chemical Technology and Metallurgy*, 43, 1, p.119-124, 2008.
30. **6.**Simeonov E., V. Koleva, "Solid liquid extraction from roots of *Geranium Sanquineum – L*", *Journal of the University of Chemical Technology and Metallurgy*, 43, 4, p. 409-412, 2008.
31. **7.**Kirilova E.,P.Subra-Paternault, S.Diankov, **E.Simeonov**, I.Penchev, Study of the behaviour of commonly used polymers in supercritical CO₂ – acetone medium, *Food Science, Engineering and Technologies' 2009, 23-24 October, Plovdiv*, p.239-244, 2009.
32. **8.**Diankov S., **E.Simeonov**, A.Siraqkov, P.Subra, *Extraction supercritique des substances actives de Silibum Marianum*, *Revue de Genie Industriel*, 1, p. 13-17, 2009.
33. **9.**Wu X.,V. Koleva, **E.Simeonov**, G.Nedeva "A method for the use of organic solvent nanofiltration to the study of plant extracts", *Journal of the University of Chemical Technology and Metallurgy*, 44, 4, p. 365-370, 2009.
34. **10.**Chilev Ch.,F. Lamari-Darkrim, I.Penchev, V. Koleva, **E.Simeonov**, Investigations of thermal effects by absorption of hydrogen for use in automotive industry, *Food Science, Engineering and Technologies' 2010, 15-16 October, Plovdiv*, p.555-560, 2010.
35. **11.**Koleva V., **E.Simeonov**, Ch.Chilev, Nanofiltration of extracts from plant materials, *Food Science, Engineering and Technologies' 2010, 15-16 October, Plovdiv*, p.21-26, 2010
36. **12.**Simeonov E., V. Koleva, G.Nedeva, "Extraction of polyphenols from roots of *Geranium Sanquineum – L*", *Journal of the University of Chemical Technology and Metallurgy*, 46, 1, p. 41-44, 2011.
37. **13.**Simeonov E., V. Koleva, Ch.Chilev, "Solid liquid extraction of furostanol, saponins from *Tribulus terrestris*" *Journal of the University of Chemical Technology and Metallurgy*, 46, 3, p. 309-314, 2011.

38. **14.**Kirilova E., Ch.Chilev, F.Darkim-Lamari, **E.Simeonov**, I.Penchev, Research adsorbtion capacity of activated charbon IRH3 in respect of various gases for use in the PSA processes and in automobile manufacturing, *Food Science, Engineering and Technologies' 2011, 14-15 October, Plovdiv*, p.435-**440**, 2011
39. **15.**Koleva V., Ch.Chilev, **E.Simeonov**, Extracting of saponines furostanole from Tribulus terrestris, *Food Science, Engineering and Technologies' 2011, 14-15 October, Plovdiv*, p.117-122, 2011.
40. **16.**Chilev Ch., F.Darkim-Lamari, L. Ljutzkanov, **E.Simeonov**, I.Penchev, Hydrogen storage systems using modified sorbents for application in automobile manufacturing, *International Journal Of Hydrogen Energy*, 37, 13, p.10172-10181, 2012. **IF = 2,93**
41. **17.**Koleva V., Ch. Chilev, I. Penchev, **E. Simeonov** , Extracting of biologically active substances from Cicoriun intubus; *Food Science, Engineering and Technologies' 2012, October, Plovdiv*, p.198-200, 2012.
42. **18.**Koleva V., Ch. Chilev, I. Penchev, **E. Simeonov**, Leaching of polyphenols and flavonoids from Cotinus coggygria, *Food Science, Engineering and Technologies' 2012, October, Plovdiv*, p.201-203, 2012.
43. **19.**Simeonov E., V. Koleva, "Solid-Liquid Extraction of Tannins from Geranium Sanquineum – L"- Experimental Kinetics and Modelling", *Chem.Biochem.Eng.Q.*, 26, 3, p.249-255, 2012. **IF = 0,911**
44. **20.**Ch.Chilev, I.Penchev, F.Darkim-Lamari, **E.Simeonov**, "Features for the Determination of Parameters of Equilibrium Adsorption Model by a Nonlinear Regression Process of Experimental Data" *Journal of the University of Chemical Technology and Metallurgy*, 47, 5, p. 540-545, 2012.

45. **21.**V. Koleva, **E. Simeonov**, A. Boam, “*Organic solvent nanofiltration - the efficient approach for natural products processing*”, Procedia Engineering, 44. P.1387-1388, 2012.
46. **22.**Kirilova E., F.D.Lamari, Ch.Chilev, **E.Simeonov**, I.Penchev, “*Microscopic Examination of Microporous Adsorbents*”, ***Food Science, Engineering and Technologies’ 2013, October, Plovdiv***, p.167-172, 2013.
47. **23.**Chilev Ch., V. Koleva, **E. Simeonov** , *A New Empirical Model for Calculation the Effective Diffusion Coefficient for Solid-Liquid Extraction from Plants*, ***Industrial and Engineering Chemistry Research***, 53, 15, pp.6288-6296, 2014. **IF = 2,235**
48. **24.**Chilev Ch., **E.Simeonov**, “*Simulation of biodiesel production by transesterification of vegetable oils*” ***Journal of the University of Chemical Technology and Metallurgy***, 49, 5, p. 479-486, 2014.
49. **25.**Koleva V., **Simeonov E**, “*Solid liquid extraction of phenolic and flavonoid compounds from Cotinus coggygria and concentration by nanofiltration*”, ***Chem.Biochem.Eng.Q.***, 28, 4, pp.545-551, 2014. **IF = 0,911**
50. **26.**Chilev Ch., V. Koleva, **E. Simeonov**, *Modelling of extraction process from plant materials with variable coefficient of effective diffusion*, ***Food Science, Engineering and Technologies’ 2014, October, Plovdiv***, p.466-469, 2014.
51. **27.**Koleva V., Ch. Chilev, **E. Simeonov**, *Extraction from plant material – experimental kinetic and modelling*, ***Food Science, Engineering and Technologies’ 2014, October, Plovdiv***, p.462-464, 2014.
52. **28.****Simeonov E**. Ch.Chilev Ch. “*Modeling and kinetics study of solid-liquid extraction from leaves of Nicotiana tabacum L.*” ***Journal of the University of Chemical Technology and Metallurgy***, 50, 5, p. 597-600, 2015.
53. **29.**Chilev Ch., F. Darkrim Lamari, M. Dicko, **E. Simeonov**, “*Investigation of acetic acid dehydration by various methods*”,***Journal of the University of Chemical Technology and Metallurgy***, 51, 1, p. 73-84, 2016.

54. **30.**Simeonov, E., Z.Yaneva, Ch.Chilev, “*Investigation of the Mechanism and Kinetics of Extraction from Plant Materials*”, **Bulg. Chem. Communication**, 49, 2, 2017. **IF = 0,229**
55. **31.**Simeonov, E., Z.Yaneva, Ch.Chilev, “*Kinetics of green solid-liquid extraction of useful compounds from plant materials - kinetics coefficients and modeling*”, **Green Processing and Synthesis**, приета за печат, 2017. **IF = 1,125**
56. **32.**Chilev Ch., **E.Simeonov**, “*REACTIVE DISTILLATION FOR ETHYL ACETATE PRODUCTION*” **Journal of the University of Chemical Technology and Metallurgy**, 52, 3, 2017, ***-***.

Доклади и постерни съобщения

57. **1.**Diankov S., **E. Simeonov**, K. Tomova, ”Modelling Of Multistage Extraction Kinetics For {*Nicotiana Tabacum L.* - Water } System”, 60th Anniversary of the Dep. Of Physical Chemistry, Sofia, Nov.,2007.
58. **2.**Пенчев И., Ч. Чилев, **E. Симеонов**, “Адсорбция върху водородни наноструктури”, Първа конференция с международно участие “Високите технологии в борбата с тероризма”, София, 23-25 ноември, 2007.
59. **3.**Simeonov E., V.Koleva, Solid-Liquid extraction from roots of *Geranium Sanquineum – L.*, VI научна постерна сесия, XTMU, София, 21 май, pp.64, 2009.
60. **4.**Kirilova E., I.Penchev, **E.Simeonov**, Thermal Effects in Case of Hydrogen Adsorption, VI научна постерна сесия, XTMU, София, 21 май, pp.65, 2009.
61. **5.**Chilev Ch., I.Penchev, F. Darkrim **E. Simeonov**, Comparaison des differents methods de stockage d’hydrogene, Sciences et Technologies SCITECH 2010, Sofia, 15-17, avril, 2010.
62. **6.**Koleva V., **E. Simeonov**, X. Wu, Solid-liquid extraction from roots of *Geranium Sanquineum – L.* Experimental kinetic and concentration by nanofiltration, 3rd International Conference on Organic Solvent Nanofiltration,13-15 September 2010, Imperial College, London.

63. **7.**Chilev Ch., **E.Simeonov**, I.Penchev, R.Gugova, Investigation of the structure, adsorption capacity and mechanism of hydrogen storage on modified sorbents for using the process in automobile manufacturing, Seventh National Conference on Chemistry, 26-29 May 2011, Sofia, Bulgaria.
64. **8.**V.Koleva, **E.Simeonov**, A.Boam, Organic solvent nanofiltration – a high performance technology for natural products processing. Implementation of Nanomembrane Technology in the Pharmaceutical Industry, International workshop, 9-10 Sept., 2011, UCTM, Bulgaria.
65. **9.**V. Koleva, Evonik MET LTd., Wembley, UK; **E. Simeonov**, University of chemical technology and Metallurgy (UCTM), Sofia/BG, G. Baumgarden, Evonik industries AG, Marl, DE; A. T. Boam, Evonik MET Ltd., Wembley/UK, **Organic solvent nanofiltration – a high performance technology for natural products processing** oral presentation, 8th European Congress of Chemical engineering, Berlin, Germany, 25-29 September 2011.
66. **10.**V. Koleva^{1,2}, **E. Simeonov** ², Andrew Boam¹ 1Evonik Membrane Extraction Technology, Wembley, GB, 2University of Chemical Technology and Metallurgy, Sofia, BG, **Organic solvent nanofiltration – a high performance technology for natural products processing** - ICOM 2011, Poster sesion 2, Amsterdam, 24-29 July 2011.
67. **11.**V. Koleva, **E. Simeonov**, A. Boam, Organic solvent nanofiltration - the efficient approach for natural products processing, Euromembrane 2012, 23-27 September 2012, Queens Elizabeth II Conference centre, London, UK.
68. **12.**Marinova V., **E. Simeonov**, Modelling of extraction from plants under varying coefficient of effective diffusion, XII научна постерна сесия, ХТМУ, София, 22 май, pp.40, 2015.
69. **13.**B. Petrova, P. Petrova, Ch. Chilev, E. Simeonov, Green solid-liquid extraction of plants – kinetics and modelling, 30 години Институт по инженерна химия, Юбилейна младежка научна сесия, 8-9 ноември 2016.
70. **14.**P. Petrova, B. Petrova, **E. Simeonov**, Ch. Chilev, Theoretical modelling of reactive distillation via residue curve maps method, 30 години Институт по инженерна химия, Юбилейна младежка научна сесия, 8-9 ноември 2016.

Раздел II. Учебници.

1. Симеонов Е., “*Топлообменни процеси*”, Ес Принт ООД, София, 2013.
2. Simeonov E., “*Design of heat and mass transfer equipment*”, Sofia, Es Print, 2017.