

NATEX – List of publications

59. Dr. E. Lack, H. Seidlitz

”Supercritical CO₂ Impregnation”

”12th European Meeting on Supercritical Fluids”

09. - 12. Mai 2010, Graz, Austria

58. Dr. E. Lack, H. Seidlitz

”New Industrial Applications of Supercritical Fluid Technology for Extraction and Generation of Micro-Powders”

”ACHEMA 2009”

11. - 15. Mai 2009, Frankfurt am Main, Germany

57. Dr. E. Lack, H. Seidlitz, M. Bakali, R. Zobel

”Cork Treatment - A New Industrial Application of Supercritical Fluids”

”9th International Symposium on Supercritical Fluids”

May 18 - 20, 2009, Arcachon, France

56. Dr. E. Lack, H. Seidlitz

”Anlagenbaukriterien für die Phytoextraktion und Pulvergenerierung”

”ProcessNet-Fachausschuss, Hochdruckverfahrenstechnik”

02. - 03. März 2009, Fraunhofer Institut UMSICHT, Oberhausen, Germany

55. Dr. E. Lack, H. Seidlitz

”Gewürzextraktion und Pulvergenerierung mit überkritischem CO₂”

”Gewürze von Anis bis Zimt - Chemie, Technologie und Physiologie”

12. November 2008, AGES Akademie, Vienna, Austria

54. Dr. E. Lack, H. Seidlitz

”New Industrial Applications of Supercritical Fluid Technology for Extraction and Generation of Micro-Powders”

”MIRDC Seminar”

Oct. 18, 2008, Taiwan Technology University, Taipei, Taiwan

53. Dr. E. Lack, H. Seidlitz

”Kork und Mikrokomposite - neue industrielle Anwendungen für überkritische Fluide”

”ProcessNet-Jahrestagung 2008”

07. - 09. Oktober 2008, Kongresszentrum Karlsruhe, Germany

52. Dr. E. Lack

”How a Pulverization Tool becomes Reality”

”Symposium on Innovative Pow(d)er Products”

June 19, 2008, Fraunhofer Institut UMSICHT, Oberhausen, Germany

51. Dr. E. Lack

”Powder Generation with Supercritical CO₂“

”Symposium on Drying & Formulation for Applications in Biotechnology, Feed & Food”

April 16 – 17, 2008, Department for Agrobiotechnology, IFA Tulln, Austria

50. Dr. E. Lack, H. Seidlitz

”Kork, Spezialöle, Mikrokomposite – neue industrielle Anwendungen überkritischer Fluide”

”High Pressure meets Advanced Fluids“

10.-11. März 2008, RWTH Aachen, Germany

49. Dr. E. Lack

”Production of Volatile Oils and Powder Formulation with Supercritical Fluids”

”Super Green 2007: The 5th International Symposium on Supercritical Fluids”

November 28 - December 1, 2007, Seoul National University, Korea

48. Dr. E. Lack

”Supercritical Fluid Technology for the Production of Flavours and Fragrances and for Particle Generation”

”38th International Symposium on Essential Oils”

September 9 - 12, 2007, Graz, Austria

47. Dr. E. Lack, H. Seidlitz, M. Sova, F. Lang jr.

"Supercritical Drying of Cellulose Aerogels"

"5th International Symposium on High Pressure Processes Technology and Chemical Engineering"

June 24 - 27, 2007, Segovia, Spain

46. H. Seidlitz, Dr. E. Lack

"CO₂ High Pressure Technology for the Extraction of Botanical Ingredients and for Powder Generation"

"Supercritical CO₂ Extraction Conference"

April 25, 2007, Hanoi Industry University, Hanoi City, Vietnam

45. Dr. E. Lack, H. Seidlitz

"CO₂ High Pressure Technology for the Extraction of Botanical Ingredients and for Powder Generation"

"Innovative Ideas for Tobacco Cooperatives. How to Overcome the Impact of the Tobacco Reform"

22. Februar 2007, BOKU – University of Natural Resources and Applied Life Sciences, Vienna, Austria

44. Dr. E. Lack, H. Seidlitz, Dr. B. Weinreich, Dr. S. Grüner, Prof. Dr. E. Weidner, G. Brandin

"Principles and Applications PGSS and CPF Technology"

"Seminar on Supercritical Fluids"

November 23 – 24, 2006, MIRDC, Kaohsiung, Taiwan

43. Dr. E. Lack, H. Seidlitz, M. Sova

"New Industrial Applications of Supercritical Fluid Extraction"

"The 8th International Symposium on Supercritical Fluids"

November 5 – 8, 2006, Kyoto, Japan

42. Dr. E. Lack, H. Seidlitz, Prof. Dr. G. Brunner, Dr. S. Pilz, V. Steinhagen, K. Stork

Kapitel 11: "Trennverfahren mit überkritischen Fluiden"

in "Fluidverfahrenstechnik: Grundlagen, Methodik, Technik, Praxis"

Ralf Goedecke, Wiley-VCH Verlag GmbH & Co. KGaA, Mai 2006, Germany

41. Dr. E. Lack, H. Seidlitz

"Industrial Cleaning of Cork with Supercritical CO₂"

"3rd International Meeting on High Pressure Chemical Engineering"

May 10 - 12, 2006, Erlangen, Germany

40. H. Seidlitz, Dr. E. Lack

"Recycling of Scrap Tyres with SFE Technology"

"Super Green 2005: The 4th International Symposium on Supercritical Fluid Technology for Energy, Environment and Electronics Applications"

November 20 - 23, 2005, National Taiwan University, Taipei, Taiwan

39. Dr. E. Lack, Prof. Dr. E. Weidner, Prof. Dr. Z. Knez, Dr. S. Grüner, Dr. B. Weinreich, H. Seidlitz

"Particle Generation with Supercritical CO₂"

"4st Vienna International Conference: Micro- and Nano-Technology"

March 9 - 11, 2005, The Austrian Tribology Society, Vienna, Austria

38. H. Seidlitz, Dr. E. Lack

"Particle Generation Focused on PGSSTM and CPFTM Processes"

"Conference on Supercritical Fluids"

November 3 - 5, 2004, Taipei, Taiwan

37. Dr. E. Lack, H. Seidlitz

"Current and New Applications of Supercritical Fluid Extraction (SCFE) Based on Industrial Experience"

"Super Green 2004: The 3rd International Symposium on Supercritical Fluid Technology for Energy and Environment Applications"

October 23 - 26, 2004, Tianjin University, Tianjin, China

36. H. Seidlitz

"Industrial Design of SFE Plants and New Applications"

Conference during "Middle East Natural Products Expo"

November 30, 2003, Grand Hyatt Hotel, Dubai, UAE

35. Dr. E. Lack, H. Seidlitz

"Standardized Industrial Scale High Pressure Extraction Plants"

"Design of Industrial SFE Plants and New Applications"
"Conference and Exhibition on Supercritical Fluid Technology"
October 13 – 17, 2003, National Taiwan University, Taipei, Taiwan and Metal Industries Research Development Center, Kaohsiung, Taiwan

34. Dr. E. Lack, H. Seidlitz

"Extraktion mit überkritischen Gasen"

Industrieseminar

22. Oktober 2002, Institut für Verfahrenstechnik, TU Wien, Austria

33. Dr. E. Lack, H. Seidlitz

"Thin-Film Extractor for High Viscous Materials"

"4th International Symposium on High Pressure Process Technology and Chemical Engineering"

September 22 - 25, 2002, Venice, Italy

32. H. Seidlitz

"Herstellung von Pflanzenextrakten für die TCM"

Österreich-Chinesisches Symposium anlässlich der Eröffnung von Willi Dungal's Chinesischem Zentrum für Gesundheitspflege

13. April 2002, Dungal China-Zentrum, Gars am Kamp, Austria

31. Dr. E. Lack, Dr. Othmar Fragner

"Gewinnung von Pflanzeninhaltsstoffen mittels Extraktionstechnologie"

"Auf einen Grünen Zweig kommen. Nachwachsende Rohstoffe für Industrie und Gewerbe in Forschung und betrieblicher Praxis"

29. November 2001, Ökopark Hartberg, Austria

30. Dr. E. Lack, H. Seidlitz

Chapter 6 "Separation Operations and Equipment", section 6.6.: "Extraction from Solids"

Chapter 7 "Safety and Control in High Pressure Plant Design and Operation", section 7.3.: "Safety in High-pressure Extraction Plants"

Chapter 8 "Economics of High Pressure Processes", section 8.1.: "High-pressure Extraction Plants"

Chapter 9 "Applications", section 9.6.: "Supercritical Fluid Extraction and Fractionation from Solid Materials"

in: "High Pressure Process Technology: Fundamentals and Applications"

Industrial Chemistry Library, Volume 9.

Ed. A. Bertucco and G. Vetter, Amsterdam, 2001

29. H. Seidlitz, Dr. E. Lack

"Supercritical Fluid Extracts - used in Food and as Medicine?"

"Supercritical Fluid Extraction Symposium" in Taiwan National Cheng Hwa University, Taiwan Cheng Kong University, Tainan

28. E. Ronyai, B. Simandi, A. Deak, A. Kery, E. Lemberkovics, T. Keve, E. Lack

"Production of Marigold Extracts with Carbon Dioxide Supercritical Fluid Extraction"

5th Meeting on Supercritical Fluids - Materials and Natural Products Processing.

March 23 – 25, 1998, Nice, France

27. H. Seidlitz, Dr. E. Lack

"CO₂ Extracts - Food and Medicine?"

International Food Marketing & Technology, Vol.11 No.4 - August 1997 p. 27 - 31

26. E. Lack, H. Seidlitz

"Standardized industrial scale high pressure extraction plants".

The First European Congress on Chemical Engineering

May 4 - 7, 1997, Florence, Italy

25. H. Seidlitz, Dr. E. Lack

"Separation of Essential Oils and Flavours from Spices and Herbs".

Chemical Industry Digest, Fourth Quarter 1996 (December) p. 91 - 97

24. Dr. E. Lack, H. Seidlitz

"Application of Supercritical Fluid Extraction for Spices and Herbs with Pressures up to 800 bar"

3rd International Symposium on High Pressure Chemical Engineering

October 7 - 9, 1996, Zürich, Switzerland

23. Dr. E. Lack, H. Seidlitz

"Standardized Industrial Scale High Pressure Extraction Plants"

National Scientific Conference on "Analytical and Technological Use of Supercritical Fluids".

May 16, 1996, Budapest, Hungary

22. H. Seidlitz, Dr. E. Lack

"Principles of CO₂ Technology and Application"

"Consideration of Supercritical Fluid Extraction at Pressures above 500 bar."

"Economical Considerations regarding Design of High Pressure Extraction Plants."

Lectures held at "Laboratory General d' Assaigs i Investigacions de la Generalitat de Catalunya".

May 8, 1996

21. Dr. E. Lack , H. Seidlitz

"Extraction of Food Ingredients with supercritical CO₂"

9th World Congress of Food Science and Technology

July 30 - August 4, 1995, Budapest, Hungary

20. H. Seidlitz, Dr. E. Lack, Y.C. Kalia

"Commercialization of SCFE Technology"

Asian Symposium on Supercritical Fluid Extraction Technology for Natural Products

September 27 – 29, 1994, IIT Delhi, India

19. Dr. E. Lack, H. Seidlitz

"Extraction of Food Ingredients by means of fluid CO₂ at pressures higher than 500 bar"

Third International Symposium on Supercritical Fluids

October 17 - 19, 1994, Strasbourg, France

18. Dr. E. Lack, H. Seidlitz

"Commercial scale decaffeination of coffee and tea using supercritical CO₂"

Chapter 5 in "Extraction of Natural Products using Near-Critical Solvents"(eds. by M B King and T R Bott)

Blackey Academic & Professional (1992)

17. Dr. E. Lack, H. Seidlitz

"Findings and Experience aquired in Operating Industrial High Pressure Extraction Plants with Supercritical CO₂"

2nd International Symposium High Pressure Chemical Engineering

24. – 26. September 1990, Erlangen, BRD

16. Dr. E. Lack, H. Seidlitz, P. Toro

"Decaffeination of Coffee Samples by CO₂ - Extraction "

ASIC 13e (Association Scientifique Internationale du Café)

21 - 25 aout, 1989, Paipa, Columbia

15. Dr. E. Lack, Prof. Dr. R. Marr

"Batch and Continuous Experiments in Supercritical Extraction, Design Criteria, Mass Transfer and the Cycle Process"

International Symposium on Supercritical Gas Extraction

December 14 - 15, 1987, Meguro Gajeon, Tokyo, Japan

14. Dr. E. Lack, Prof. Dr. R. Marr

"Estimation of the Process Parameter for High-Pressure (supercritical fluid) Carbon Dioxid Extraction of Natural Products"

Separation Science and Technology

23 (1 - 3), pp 63 - 76, 1988

13. Dr. E. Lack, Prof. Dr. R. Marr

"Mass Transfer Problems in High Pressure Extraction"

ISEC 86, International Solvent Extraction Conference

11 - 16 September 1986, München, BRD

12. Dr. E. Lack, H. Seidlitz

"High pressure extraction by means of CO₂ outgrown of childhood"

Process Engineering, Edition Europe June 1986, p. 16 – 17

11. Dr. E. Lack, Prof. Dr. R. Marr

"Batch and Continuous Experiments in Supercritical Extraction Design Criteria, Mass Transfer and the Cycle Process "

Chapter 9; p. 431 - 457 Theories and Application of Supercritical Gas Extraction N.T.S. (New Technology & Science, Tokyo), 1986

10. Dr. E. Lack, Prof. Dr. R. Marr

"Beschreibung des Lösungsmittelkreislaufes bei der Hochdruckextraktion mit CO₂, apparative und energetische Betrachtungen"

Interne Arbeitssitzung der GVC-Fachausschüsse-Hochdruckverfahrenstechnik

10. - 11. April 1986, Erlangen, BRD

9. Dr. E. Lack, Prof. Dr. R. Marr

"Estimation of the Process Parameter for High Pressure Extraction of Natural Products"

Fourth Symposium on Separation Science and Technology for Energy Applications

October 20 - 24, 1985, Knoxville, Tennessee, USA

8. Dr. E. Lack, Prof. Dr. R. Marr

"Kriterien für die Auslegung von Hochdruckextraktionsanlagen unter besonderer Berücksichtigung des Stoffaustausches"

6. Österr. Chemietage

25. - 27. September 1985, Uni Linz, Austria

7. Dr. E. Lack, Prof. Dr. R. Marr

"Hochdruckextraktion von Raps mit Schwerpunkt auf Stoffaustauschuntersuchungen"

GFD-Vortragstagung

9. - 12. September 1985, Göttingen, BRD

6. E. Lack, G. Bunzenberger, Prof. Dr. R. Marr

"Kriterien für die Auslegung von Hochdruckextraktionsanlagen"

Int. Symposium, High-Pressure, Chemical Engineering

8. - 10. Oktober 1984, Erlangen, BRD

5. E. Lack, G. Bunzenberger, Prof. Dr. R. Marr

"High Pressure - Extraction of Natural Products with CO₂"

4th Italian-Yugoslavian-Austrian Chemical Engineering Conference

September 24 - 26, 1984, Grado, Italy

4. E. Lack, G. Bunzenberger, Prof. Dr. R. Marr

"Plants and Process Engineering for High-Pressure Extraction of Natural Products"

International Solvent Extraction Conference

August 26 - September 2, 1983; Denver, Colorado, USA

3. E. Lack, G. Bunzenberger

"Hochdruckextraktion: CO₂ als Lösungsmittel für die Naturstoffgewinnung"

Österr. Chemie - Zeitung; Juli/August 1983; p. 201, 202

2. G. Bunzenberger, E. Lack, Prof. Dr. R. Marr

"CO₂-Extraktion - Vergleich der überkritischen Fluidextraktion mit der verflüssigten Betriebsweise anhand von Problemen der Naturstoffextraktion"

VDI-Berichte Nr. 505, 1983

1. G. Bunzenberger, E. Lack, Prof. Dr. R. Marr

"Hochdruckextraktion mit CO₂"

Interne Arbeitssitzung des GVC-Fachausschusses Thermische Zerlegung von Gas- und Flüssigkeitsgemischen

9./10. Juni 1983, Kaiserslautern