CURRICULUM VITAE

Reza Fassihi, B. Pharm., Ph.D., HPA,
AAPS Fellow
Professor of Biopharmaceutics and Industrial Pharmacy, Temple University, School of Pharmacy

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Employment and Positions Held:

1992-present	Professor of Biopharmaceutics and Industrial Pharmacy, Temple University, School of Pharmacy, Philadelphia, PA.
Sept.1995 to Jan. 1998	Director of Graduate Research and Studies, Temple University , School of Pharmacy
Sept. 1991 to Sept. 1992	Visiting Professor, University of Cincinnati, Medical Center, College of Pharmacy, Cincinnati, OH.
1988-1992	Founder and Head, School of Pharmacy and Professor of Pharmaceutical Sciences, Faculty of Medicine, University of the Witwatersrand, Johannesburg, South Africa.
1988-1992	Chairman, Department of Pharmaceutical sciences, Wits University
1984-1988	Senior Lecturer, School of Pharmaceutical Sciences, Rhodes University, Grahamstown , South Africa
Oct. 1983 - Oct. 1984	Senior Scientist, Welsh School of Pharmacy, UWIST, Cardiff, U.K.

June 1982 - July 1983	Postdoctoral Fellowship, School of Pharmacy, Brighton University, England.
Feb. 1979-1982	Asst. Professor of Pharmaceutics, School of Pharmacy, Isfahan University, Isfahan.

Awards:

Award of Gold Medal for the best Ph.D. graduate in Pharmaceutics, School of Pharmacy, Brighton University, Brighton, England (1978).

Award of Medal from South African Academy of Pharmaceutical Sciences (1991).

Award of Medal from Society of Cosmetic Chemist (1991).

AAPS Fellow (2003).

Award for outstanding contribution by the FDA , "Symposium on Controlled Release of Solid Oral Dosage Forms", September 2002.

AAPS Award for outstanding contribution to AAPS student chapters.

Distingushed Speaker Award by the EPTM (eastern pharmaceutical technology meeting), New Jersey ,September 2005.

Major Academic Qualifications:

1978	Doctor of Philosophy degree (Ph.D.) in Pharmaceutics from the School of Pharmacy, Brighton University, Brighton, England
1974	B. Pharm., First Class Honors , Punjab University , India
1969	Diploma in Natural and Biological Sciences

Membership

Member of the Institute of Physical Sciences in Medicine. IPSM**.**
Member of Hospital Physicist Association. HPA United Kingdom.
Member of South African Academy of Pharmaceutical Sciences.
Member of Society of Cosmetic Chemists of South Africa.
Member of American Association of Pharmaceutical Scientists. AAPS.
Member of Controlled Release Society. CRS.
Member of American Association of Colleges of Pharmacy. AACP.

Research Experience

Biopharmaceutics and physicochemical aspects of preformulation / formulation / scale-up and design of drug delivery systems to include solid dosage forms, controlled release formulations, dispersed and colloidal systems, drug absorption and GI constraints, microbiological evaluation of pharmaceuticals, topical formulations and percutaneous drug absorption, optimization of dissolution methodologies for novel drug dosage forms and delivery system evaluations, in-vitro/in-vivo correlation research and bioavailability / bioequivalency issues, syringeability and injectability assessment of biologics and biopharmaceuticals.

Courses taught at Post Graduate and Pharm.D. levels

Pmarmaceutical manufacturing (preformulation and formulation development)– Part-I, 3 credit course.

Pharmaceutical Manufacturing (product development, scale-up operations)- Part-II, 3 credit course.

Applied Biopharmaceutics (drug absorption, bioavailability and bioequivalency, in-vitro-in vivo correlations, dissolution and simulations for biowavers)- 3 credit course.

Pharmaceutical dosage forms and Modified release systems- 3 credit course.

Pharmaceutics, Controlled release systems and Biopharmaceutics, 4 credit course.

Dermatopharmaceutics- 3 credit course.

Wound healing and surgical dressings- 2 credit elective course.

Administrative Experience and Responsibilities:

1988-1992	Head, School of Pharmacy, University of Witwatersrand, and Johannesburg, South Africa. Responsible for overall activities and management of school.
1988-1992	Chairman, Department of Pharmaceutics at Witwatersrand University.
1993- 1998	Member of Graduate Board at Temple University. (TU).
1993-2012	Co-Chairman of Education Committee, at Philadelphia Pharmaceutical Forum.
1993-1994	Member of Fellowship Committee, Temple University.
1994-1996	Member of Nominating Committee, Temple University.

1995-1998 Member of Students Appeal Committee.

1995 – 1998 Director of Graduate Studies in the School of Pharmacy, Temple University.

1995-2002 Official Representative to the USP 1995 - 2000 General Committee of Revision

1996-Present Member of Protocol Review Committee of NIH for Pharmaceutical projects.

1986-Present Consultant to various pharmaceutical drug manufacturers.

1990- present Expert witness on issues related to pharmaceutical products; patent infringements, consulting on manufacturing processes, and technical problems. Have been deposed and appeared at the trials on numerous occasions.

Journals Referee:

On a regular basis I act as a referee for a variety of journals including:

- Journals of Pharmaceutical Sciences,
- Pharmaceutical Research,
- International Journal of Pharmaceutics,
- Journal of Controlled Release,
- Molecular Pharmaceutics,
- Microencapsulation,
- AAPS PharmSciTech,
- Journal of Pharmacy and Pharmacology,
- Drug Delivery.

Inventions:

1. REZA FASSIHI,
   "Method and Apparatus for Dissolution Testing of A Dosage Form.".
   US patent # 5,412979 issued in May 9,1995.

2. REZA FASSIHI and L. Yang
   "Controlled release drug delivery system"
   US patent # 5783212 issued in July 21, 1998.

3. REZA FASSIHI AND VINESS PILLAY

Monolithic Tablet for controlled drug release
US Patent # 6090411, issued July-2000.

4. REZA FASSIHI and H. Kim
"Matrix for controlled delivery of highly soluble pharmaceutical agents"
US patent # 6337091 B1; issued Jan. 8, 2002.

5. REZA FASSIHI AND T. DURIG
"Amino acid modulated extended release dosage form"
US patent # 6,517,868 B2; issued Feb. 11, 2003.

6. R. Fassihi and T. Dürig. Amino Acid Modulated Extended Release Dosage Form. **US Patent 2006 / 6936275 B2, August 30th ,2005.**

7. REZA FASSIHI AND V. PILLAY
Compressed composite delivery system for release-rate modulation of bioactives.
US patent application filed –Publication No. US-2006 / 0024368-A1.

8. Turner S., Ravishanker J., Fassihi Reza
Method for improving the bioavailability of orally delivered therapeutics.
United States Patent 2006 / 0068010 A1

9. R.Fassihi and T. Durig.
"Amino acid modulated extended release dosage form".
US Patent # 7,229,642 B2; June, 12, 2007.

PEER REVIEWED PUBLICATIONS IN JOURNALS, SYMPOSIUMS AND BOOK CHAPTERS

1. A. R. FASSIHI and M. S. PARKER: **Chapter 6**: Controlled Drug Delivery, In Pharmaceutical Technology: Controlled drug release. Vol. 1, Ed. M. H. Rubinstein, Ellis Horwood Ltd., John Wiley & Sons, UK (1987) pp 64- 71.

2. A. R. FASSIHI and I KANFER: **Chapter 16**: The effect of compressibility and powder flow properties on tablet weight variation; in Pharmaceutical Technology, Tableting Technology, M. H. Rubinstein, John Wiley & Sons, UK (1987) pp 189-202.

3. A. R. FASSIHI.
Preservation of medicines against microbial contamination, in: **Chapter 50**:

4th. Edition ; Disinfection, Sterilization and Preservation;
Ed. S. S. Block, Lea & Febiger, Philadelphia, USA. (1991) pp 871-886.

4. REZA FASSIHI
Preservation and Microbiological Attributes of Non-Sterile Pharmaceutical Products, **Chapter 64**: In 5th Edition of Disinfection, Sterilization and Preservation; Ed. Seymour S. Block, Ph.D. Lippincott Williams and Wilkins 2000 ,pp 1263-1281.

5. REZA FASSIHI
Modified-Release Delivery Systems: Extended-Release Capsule Platform, **Chpter 12:** In Pharmaceutical Dosage Forms: Capsules; Ed. Larry L. Augsburger and Stephen W. Hoag; 2017, PP 317-344.

6. A. R. FASSIHI, P. J. DAVIES and M. S. PARKER.
Inimical effects of compression on survival of spores.
Int. Pharm. Tech., (1st ; Paris), Vol. 5, 60-64, (1977).

7. A. R. FASSIHI, P. J. DAVIES and M. S. PARKER.
Effect of punch pressure on the survival of fungal spores during the preparation of tablets from contaminated raw materials
Zbl. Pharm. Heft.12; vol.116, 1267-1272, (1977).

8. A. R. FASSIHI and M. S. PARKER.
The influence of water activity and oxygen tension upon the survival of aspergillus asnd penicillum species on tablets.
Int. Biodeterior. Bull. 13(3) 75-80 (1977).

9. A. R. FASSIHI and MALCOLM S. PARKER.
Some effects of processing factors upon the microbial content of tablets.
Jounal of Applied Bacteriology, XVII, 17 (1977).

10. A. R. FASSIHI and M. S. PARKER.
Surface structure of tablets and their moisture relationships.
APV, Jahreskongress on Pharmacy, Karlsruhe, Germany, April ,65-70 (1978).

11. A. R. FASSIHI, M. S. PARKER and D. DINGWALL.
The preservation of tablets against microbial spoilage.
Drug development and Industrial Pharmacy, 4(6), 515-527 (1978).

12. A. R. FASSIHI and MALCOLM S. PARKER.
The influence of compaction pressure upon pore size and surface structure of tablets and their consequent moisture relationship.

Acta Pharmaceutica Technologica; Supplement7; pp. 65-70 (1979).

13. A. R. FASSIHI, M. FALAMARZIAN and M. S. PARKER.
The influence of the rate of production of tablets at constant pressure upon their physical properties.
Drug Development and Industrial Pharmacy, 6 (5), 441-450 (1980).

14. A. R. FASSIHI, M. S. PARKER and N. POURKAVOOS.
Capping and lamination tendencies of pharmaceutical tablets prepared from a solid dispersed polymeric system.
APV Forum Technologicum, Annual Congress, Mainz 1984.

15. A. R. FASSIHI, M. S. PARKER and N. POURKAVOOS.
Controlled release delivery: effect of particle size, compression force and temperature. Proceedings of the 4th. Pharm. Tech. Conference, Edinburgh, Scotland, April (1984), 10-12.

16. A. R. FASSIHI.
A new generation of polymers for controlled drug delivery. S.A.J. Sci., 81: 586, (1985).

17. A. R. FASSIHI, M. S. PARKER and N. POURKAVOOS.
Solid dispersion controlled release: Effect of particle size compression force and temperature. Drug Development and Industrial Pharmacy, Vol. II: Nos 2 and 3: 523-535 (1985).

18. A. R. FASSIHI.
Compression characteristics of polymers in tablet formulations.
5th. Int. Pharm. Tech. Conference, Harrogate, England (1986), Vol II: 222-227.

19. A. R. FASSIHI and M. S. PARKER,
Release kinetics from heterogenous polymeric matrices.
5th. Int. Pharm. Tech. Conference, Harrogate, England pp 97-111, (1986).

20. A. R. FASSIHI and I. KANFER.
Effect of compressibility and powder flow properties on tablet weight variation.
Drug Development and Ind. Pharm. 12 (11-13), 1947, (1986).

21. A. R. FASSIHI and I. KANFER.
Compressibility and powder flow properties.
5th. Int. Pharm. Tech. Conference, Harrogate, England, 255-275 (1986).

22. A. R. FASSIHI and M. S. PARKER.
Formulation effects on capping tendencies.
International Journal of Pharmaceutics, 31 (1986), 271-273.

23. A. R. FASSIHI.
Mechanisms of disintegration and compactibility in a direct compression s system.
International Journal of Pharmaceutics, 32 (1986), 93-96.

24. A. R. FASSIHI.
Continuous matrix formation for controlled drug release: compression of isotropic polymeric system.
International Journal of Pharmaceutics, 34 (1986) 169-172.

25. A. R. FASSIHI and M. S. PARKER.
Controlled drug release from a compressed heterogeneous polymeric matrix: kinetics of release. Drug Develop and Ind. Pharm. 12 (11-13), 1649-1661 (1986).

26. A. R. FASSIHI and P. H. R. PERSICANER.
Solid state interaction of bromazepam with PVP in the presence of moisture.
International Journal of Pharmaceutics, 37 (1987), 167-170.

27. A. R. FASSIHI.
Kinetics of drug release from solid matrices.
International Journal of Pharmaceutics, 37 (1987) 119-125.

28. A. R. FASSIHI and M. S. PARKER.
Gamma irradiation of gelatin: effects on the rigidity index and the granulation process. Seventh International Biodeterioration symposium Cambridge, UK Sept. (1987), Elsevier Science Publishers BV.

29. A. R. FASSIHI and M. S. PARKER.
Inimical effects of compaction speed on Microorganisms in powder systems with dissimilar compaction mechanisms.
Journal of Pharm. Sciences, 1987, Vol. 76, No. 6, 466-470.

30. A. R. FASSIHI.
Hydrogel: A novel disintegrant in tablet formulation.
J. Pharm. Pharmacol. (1987) 129S.

31. D. L. MUNDAY and A. R. FASSIHI.
Oral controlled release system: The use of multiple unit microporous polymeric coated mini-tablets.
J. Pharm. Pharmacol. (1987) 130S.

32. A. R. FASSIHI.
Consolidation behavior of polymeric substances in non-disintegrating solid matrices. International Journal of Pharmaceutic (1988) 44, 249-256.

33. A. R. FASSIHI.
Interrelationships between yield pressure, moisture content and tensile strength of microcrystalline cellulose compacts.
J. Pharm. Pharmacol. (1988) 76P.

34. A. R. FASSIHI.
In vitro and In vivo evaluation of controlled release preparation of theophylline. J. Pharm. Pharmacol. (1988), 32P.

35. A. R. FASSIHI and M. S. PARKER.
Influence of gamma radiation on the gel rigidity index and binding capability of gelatin. J. Pharm. Sci. (1988), Vol. 77, 876-880.

36. M. S. PARKER and A.R. FASSIHI.
Non-sterile pharmaceuticals: microbiological validation of production environment. 1st. Anglo-Egyptian Conference of Pharm. Sci.
Alexandria, Egypt, Nov. 15-17 (1988).

37. A. R. FASSIHI, R. DOWSE and S. DAYA.
Influence of adjuvants of polyethyelene glycol suppositories on the physical characteristics and drug bioavailability in rabbits.
Drug Develop and Ind. Pharm. (1989) Vol.. 15, 235-251.

38. A. R. FASSIHI, R. DOWSE and S. D. ROBERTSON.
Effects of dietary cellulose on the absorption and bioavailability of theophylline. Int. J. Pharmaceutics (1989), 41: 369-372.

39. A. R. FASSIHI and D. L. MUNDAY.
Dissolution of theophylline from film coated slow release mini-tablets in various dissolution media.. J. Pharm. Pharmacol. (1989), 41: 369-372.

40. A. R. FASSIHI and N. T. NAIDOO.
Irritation associated with tear replacement ophthalmic drops. A pharmaceutical and subjective investigation.
S. African Medical Journal. Vol. 75, 4 March (1989) 223-225.

41. D. L. MUNDAY and A. R. FASSIHI.
Controlled release delivery: Effect of coating composition on release characteristics of mini-tablets.
Int. J. Pharmaceutics, (1989), 52, 109-114.

42. D. L. MUNDAY and A. R. FASSIHI.
Changes in drug release rate; effect of temperature asnd relative humidity on polymeric film coatings, 5th. Int. Pharm. Confr. Paris, June (1989),
Vol. II. 55-60.

43. A. R. FASSIHI.
Characteristics of hydrogel in solid dosage technology.
J. Pharm. Pharmacol. (1989), 41: 853-855.

44. REZA FASSIHI
Biopharmaceutical aspects of drug formulations
S.A.Pharm.J. (1990),5:151-156.

45. REZA FASSIHI
Biopharmaceutical aspects of intestinal drug absorption
S.A.Pharm.J. (1990), 7:259-265.

46. M. P. DANCKWERT AND REZA FASSIHI
Aerosols and the ozone
S.A.Pharm.J. (1990), 3:83-86.

47. A. R. FASSIHI and S. S. D. ROBERTSON.
Post-marketing drug surveillance: concepts, insights and applications.
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48. D. L. MUNDAY, A. R. FASSIHI and C. DeVILLIERS.
Bioavailability study of a theophylline oral controlled release capsule containing film coated mini-tablets in beagle dogs.
International J. Pharmaceutics, Vol. 69: 123-127 (1991).

49. A. R. FASSIHI, ROSE DOWSE, SIRION S. D. ROBERTSON.
Influence of sorbitol solution on the bioavailability of theophylline.
Int. J. Pharm. 72 (1991) 175-178.

50. D. L. MUNDAY, A. R. FASSIHI and C. DeVILLIERS.
Multiple dose in vivo evaluation of an oral controlled release capsule dosage form of theophylline containing film coated mini-tablets in beagle dogs.
Int. J. Pharm. 73 (1991) 89-93.

51. M. DANCKWERTS and A. R. FASSIHI.
Implantable controlled release drug delivery systems.
Drug Develop and Ind. Pharm. 17 (11), 1465-1502 (1991).

52. D. L. MUNDAY and A. R. FASSIHI.
Changes in drug release rate: effect of stress storage conditions on polymeric film coated mini-tablets.
Drug Develop. Ind. Pharm. 17 (15), 2135-2143 (1991).

53. T. DURIG and A. R. FASSIHI.
Preformulation study of moisture effect on the physical stability of pyridoxal

hydrochloride. Int. J. Pharm., 77, 315-319 (1991).

54. W. A. RITSCHEL, N. N. VACHHARAJANI, H. FORUSZ and A. R. FASSIHI.
On the Mechanism of effect of fatty acids on gastric emptying.
Proceedings of the I Reunion cientifica de'la Association de Docentes de'Farmacia. Galenica: Madrid, Spain p. p. 27-28 (1992).

55. REZA FASSIHI AND L.M. OSMAN
The pharmacist's role in rational self medication
S.A.Pharm.J. (1992) 8: 259-263.

56. J. M. HAIGH, E. W. SMITH, E. MEYER and R. FASSIHI..
Influence of the oil phase dispersion in a cream on the in vivo release of betamethasone 17-Valerate.
S. T. P. Pharma. Science 2 (3) 259-264 (1992).

57. A. R. FASSIHI
Racemates and enantiomers in drug development.
Int. J. Pharm. 92, 1-14 (1993).

58. A. R. FASSIHI and E. A. RITSCHEL
Multiple-layer, direct compression, controlled release system: In vitro and in vivo evaluation.
J. Pharm. Sci. Vol. 82, No. 7, 750-754 (1993).

59. D. L. MUNDAY and A. R. FASSIHI
Changes in drug release rate 2: effect of temperature and relative humidity on polymeric film coatings.
5th International Conference on Pharmaceutical Technology Paris May 30th - June 1, 1989, 55 - 60.

60. T. DURIG and A. R. FASSIHI
Identification of stabilizing and destabilizing effects of excipient-drug interactions in solid dosage form design.
Int. J. Pharm. 97, 161-170, (1993).

61. W. A. RITSCHEL, N. N. VACHHARARAJANI, and A. R. FASSIHI.
In-vitro model optimization of antacid evaluation based on physiological constraints and human gastric pH.
Pharm. Pharmacol. Lett. 2:58-61 (1992).

62. R. FASSIHI
Microporous mini-tablets for controlled delivery and fine dose titration.
Proceed. 20th. Intern. Symp. Control. Rel. Bioact. Mater., Washington, D.C.

pp. 388-389 (1993).

63. R. FASSIHI
Fluctuating release rate delivery system for drugs influenced by chronobiologic functions.
Proceed. 20th. Intern. Symp. Control. Rel. Bioact. Mater., Washington, D.C. pp. 38-39 (1993).

64. R. FASSIHI, A.M. McPHILLIPS, S.A. URAIZEE and A.M. SAKR
Potential Use of Magnesium Stearate and Talc as Dissolution Retardants in the Development of Controlled Drug Delivery Systems.
Pharm. Ind., 56, 6, 579-583 (1994).

65. D. L. MUNDAY and A. R. FASSIHI
In-vitro - in-vivo correlation studies on a novel controlled release theophylline delivery system and on Theo-Dur tablets.
Int. J. Pharm., 118-251-255 (1995).

66. L. YANG and R. FASSIHI
Zero-order release kinetics from self-correcting floatable asymmetric configuration drug delivery system.
J. Pharm. Sci. 85,170-173 (1996).

67. R. FASSIHI, J. FABIAN and A M. SAKR.
Application of Response Surface Methodology to design optimization in formulation of a typical controlled release system.
Pharm. Industry,57,12,1039- 1043 (1995).

68. L. YANG, G. VENKATESH, AND R. FASSIHI
Characterization of Compressibility and Compactibility of Poly(ethylene oxide) Polymers for Modified Release Application by Compaction Simulator. J. Pharm. Sci. 85, 1085-1090 (1996).

69. L. YANG and R. FASSIHI
Modulation of diclofenac release from a totally soluble controlled release drug delivery system.
Journal of Controlled Release 44, 135 - 140 (1997).

70. REZA FASSIHI, AMIR RAZAGHI, HYUNJO KIM, LIBO YANG, JUNE FABIAN
Pitfalls in Release Studies of Floatable or Sticking Delivery Systems
Proceedings of Controlled Release Society, Baltimore, August,121-122 (1996).

71. LIBO YANG AND REZA FASSIHI
Diclofenac Delivery System Design Based on Biopharmaceutical Considerations
Proceedings of Controlled Release Society, Baltimore, August,123-124 (1996).

72. HYUNJO KIM AND REZA FASSIHI
Optimal Delivery System for Colonic Drug Targeting
Proceedings of Controlled Release Society, Baltimore, August,125-126 (1996).

73. AMIR M. RAZAGHI AND REZA FASSIHI
Evaluation of Diffusion Controlled Release From Topical Steroid Products
Proceedings of Controlled Release Society, Baltimore, August,127-128 (1996).

74. R. FASSIHI, J. FABIAN AND A.M. SAKR
Application of Response Surface Methodology to Design Optimization in Formulation of a Typical Controlled Release System.
Drugs made in Germany 39, 122-126 (1996).

75. HYUNJO KIM AND REZA FASSIHI
Ternary Polymeric Matrix System a New Approach in Controlled Release. Drug Delivery of Highly Soluble Drugs: I-Diltiazem Hydrochloride.
Pharm. Res. Vol. 14, No. 10, 1415-1421 (1997).

76. HYUNJO KIM AND REZA FASSIHI
Application of Binary Polymer System in Drug Release Rate Modulation: I -Characterization of Release Mechanism. J. Pharm. Sci, 86, 316-322 (1997).

77. HYUNJO KIM AND REZA FASSIHI
Application of Binary Polymer System in Drug Release Rate Modulation: II - Influence of Formulation Variables and Hydrodynamic Conditions on Release Kinetics., J. Pharm. Sci, 86, 323-328 (1997).

78. HYUNJO KIM, GOPI VENKATESH AND REZA FASSIHI
Compactiblity Characterization of Granular Pectin for tableting operation using a compaction simulator, Int. J. Pharm. 161, 149-159 (1998).

79. LIBO YANG AND REZA FASSIHI
Examination of Drug, Polymer, Hydrodynamics and Compositional Effects on Release Rate from a triple-layer Asymmetric Configuration Delivery System
Int. J. Pharm. 155 , 219-229 (1997).

80. LIBO YANG, GOPI VENKATESH AND REZA FASSIHI
Compaction Simulator Study of a Novel Triple-Layer Matrix for Industrial Tableting. Int. J. Pharm. 152 , 45-52 (1997).

81. THOMAS DURIG AND REZA FASSIHI
Mechanistic Evaluation of Binary Effects of Magnesium Stearate and Talc as Dissolution Retardants at 85% Drug Loading in an Experimental Extended Release Formulation. J. Pharm. Sci., 86, No. 10, 1092-1098 (1997).

82. LIBO YANG AND REZA FASSIHI
Verapamil Delivery System based on biopharmaceutical considerations.
24th International Symposium on Controlled Release of Bioactive Materials, Stockholm, June 15-19, pages 383-384, (1997).

83. V. PILLAY AND R. FASSIHI
Evaluation and comparison of dissolution data dervied from different modified release dosage forms: An alternative method.
J. Controlled Rel. ,55, 45-55 (1998).

84. L. YANG, B. JOHNSON AND R. FASSIHI
Determination of continuous changes in the gel layer thickness of poly(ethylene oxide) and HPMC tablets undergoing hydration: Application of Texture Analyzer.
Pharm. Res. 15, 1902-1906 (1998).

85. L. YANG , J. ESHRAGHI, AND R. FASSIHI
A new intragastric delivery system for the treatment of Helicobater pylori associated gastric ulcer: in vitro evaluation.
J. Controlled Rel. 57,215-222 (1999).

86. V. PILLAY AND R. FASSIHI
In-vitro release modulation for site-specific drug delivery to the gastrointestinal tract I : Comparison of pH-responsive drug release and associated kinetics.
J. Controlled Rel. 59, 229-242 (1999).

87. V. PILLAY AND REZA FASSIHI
In-vitro release modulation for site -specific drug delivery to the gastrointestinal tract II : Physicochemical characterization of calcium-alginate,calcium-pectinate
and alginate-pectinate pellets.
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88. V. PILLAY AND REZA FASSIHI
A new method for dissolution studies of lipid-filled capsules employing nifedipine as a model drug. Pharm. Res. 16, 333-337 (1999).

89. V. PILLAY AND REZA FASSIHI
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J. Pharm. Sci. , vol.88, 9, 843-851 (1999).

90. T. DURIG, G.M. VENKATESH AND REZA FASSIHI

An investigation into the erosion behaviour of a high drug- load (85%) particulate system designed for an extended-release matrix tablet. Analysis of erosion kinetics in conjunction with variations in lubrication, porosity and compaction rate. J. Pharm. Pharmacol. ,51: 1085-1092 (1999).

91. V. PILLAY AND REZA FASSIHI
Electrolyte- induced compositional heterogeneity in tablet matrix for rate-controlled drug delivery. J.Pharm.Sci., Vol.88.No.11, 1140-1148 (1999).

92. V. PILLAY AND REZA FASSIHI
In-situ elecctolyte interactions in a disk compressed configuration system for up-curving and constant release kinetics. J. Controlled Release ; 67; 55-65, (2000).

93. V. PILLAY AND REZA FASSIHI
A novel approach for constant rate delivery of highly soluble bioactives from a simple monolithic system. J. Controlled Release ,67; 67-78, (2000).

94. THOMAS DURIG AND REZA FASSIHI
Evaluation of Floating and Sticking Extended Release delivery Systems: An Unconventional Dissolution Test. J.Controlled Release , 67,37-44, (2000).

95. V. PILLAY AND REZA FASSIHI
Probing the dynamics of matrix hydration in the presence of electrolytes.
Drug Delivery, 8; 87-92, (2001).

96. H. Kim and Reza Fassihi
Textural characterization of gel layer thickness and swelling boundary in a hydrophilic compact. J.Kor. Pharm. Sci, Vol 31, No 1, 13-18 (2001).

97. Reza Fassihi
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FDA, Office of Regulatory Affairs, Specialized Dissolution Analysis, Philadelphia, PA, April 23-27, chapter 6, Pages 1-25 (2001).

98. T.DURIG AND REZA FASSIHI
Guar-based monolithic matrix systems: Effect of ionizable and non-ionizable substances and excipients on gel dynamics and release kinetics.
Journal of Controlled Release, Vol.80 (1-3) pp 45-56, (2002).

99. Reza Fassihi
Controlled drug delivery using matrix technology.
Symposium on Controlled Release of Solid Oral Dosage Forms, Office of Generic Drugs, 23-24 September, (2002).

100. V. PILLAY, M.P. DANKWERTS AND REZA FASSIHI
A crosslinked calcium-alginate-pectinate-cellulose acetophthalate gelisphere system for linear drug release. Drug Delivery, 9:77-86, (2002).

101. S. ZULEGER, R. FASSIHI AND B. LIPPOLD
Polymer particle erosion controlling drug release. II. Swelling investigations to clarify the release mechanism.
International Journal of Pharmaceutics, 247 , 23-37 (2002).

102. S. Turner, M. Hite, C. Federici and Reza Fassihi
Development of a High Drug Load Monolithic Controlled Release Oral Delivery System for Niacin: A Novel Approach
Drug Delivery Technology; Vol.3 ;No.2; March/April issue, 2003.

103. Reza Fassihi
In-vitro assessment of swelling, eroding matrices.
30th Annual Meeting & Exposition of the Controlled Release Society, Publication, July 20th, Pages 1-33, (2003).

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Novel design of a self-correcting monolithic controlled release delivery system for tramadol. Drug Delivery Technology March/April, vol 3 No 2 (2003).

105. R. Talukder and Reza Fassihi
Gastroretentive delivery systems: hollow beads.
Drug Development and Industrial Pharmacy Vol. 30,No. 4,pp 405-412 (2004).

106. R. Talukder, and R. Fassihi
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110. S.Missaghi and Reza Fassihi
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114. V. Pillay ,M. P. Danckwerts, Z. Muhidinov and Reza Fassihi
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115. Y. Wu, and Reza Fassihi
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116. Charu V Navaneethan, Shahrzad Missaghi, and Reza Fassihi
Application of a Dynamic Shear Test to Determine Powder Flow and Lubrication Efficiency of Particulate Systems for Scale up Tableting.
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118. Shahla Jamzad and Reza Fassihi

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121. Reza Fassihi
Current Challenges and Future of Modified Release Product Development.
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122. Shahla Jamzad and Reza Fassihi
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123. Quan Liu, Reza. Fassihi
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132. Vishnu Dutt Sharma, Suleyman Akocak, Marc A. Ilies, and Reza Fassihi
Solid-State Interactions at the Coat-Core Interface: Physicochemical Characterization of Enteric-Coated Omeprazole Pellets Without a Protective Sub-coat. DOI: 10.1208/s12249-014-0263-z.
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138. REZA FASSIHI
Modified-Release Delivery Systems: Extended-Release Capsule Platform, **Chpter 12:** In Pharmaceutical Dosage Forms: Capsules; Ed. Larry L. Augsburger and Stephen W. Hoag; PP 317-344, (2017).

139. Quan Liu, Reza Fassihi
Comparative study of swelling and erosion properties of PEO, HPMC and Kollidon SR (Submitted for publication ,under review).

140. Q. Liu, E. Lee, and Reza Fassihi
Application of Raman spectroscopy in monitoring blend uniformity of low dose highly potent drug Alfazocin hydrochloride in a controlled release matrix system. (In preparation for publication).

141. Reza Fassihi
Influence of drug properties and formulation design on in-vitro and in-vivo prediction using controlled release dosage forms of Carbamazepine and Quetiapine fumarate (In preparation for submission).

142. Reza Fassihi
Considerations in drug selection, design and evaluation of gastro-retentive delivery systems (GRDS) for improved bioavailability and controlled delivery. (under review).

143. Zheng Lu, Reza Fassihi
Development of a new delivery modality based on oral-soluble films for high load drug delivery (In preparation).

144. Zheng Lu, Reza Fassihi
Partially coated extended release eroding system: Variable drug release rate in stomach and intestine (In preparation).

Presentations at AAPS Annual Meeting and Exposition

1. **Evaluation of crosslinked calcium-alginate, calcium-pectinate and calcium-alginate-pectinate pellets for site-specific drug delivery**
   Viness Pillay, Reza Fassihi (AAPS 1998, San Francisco, CA)

2. **A new method for dissolution studies of lipid-filled hard shell or softgel capsules.** Viness Pillay, Reza Fassihi (AAPS 1998, San Francisco, CA)

3. **Comparing the Dynamics of Matrix Densification Associated with HPMC and PEO Systems**
   Viness Pillay, B. Johnson, Reza Fassihi (AAPS 2000, Indianapolis, IN)

4. **Role of Lubrication Efficiency on Release Reproducibility from Dry Blend and Wet Granulated Low Drug Load Tablets.**
   R. M. Talukder, R. Fassihi, M. I. Johnson (AAPS 2001, Denver, CO)

5. **The Compactability of a Direct Compression Controlled Release Oral Solid Dosage Form Using Polyethylene Oxide.**
   M. S. Karetny, R. Fassihi (AAPS 2001, Denver, CO)

6. **Unconventional Dissolution Method for Determination of Glucosamine from Sustained Release Matrix.**
   Y. Wu, R. Fassihi (AAPS 2001, Denver, CO)

7. **Low Cost High-Load Monolithic Controlled Release Oral Delivery System for Nutraceuticals.**
   M. P. Hite, C. A. Federici, S. J. Turner, R. Fassihi (AAPS 2001, Denver, CO)

8. **Development of a High Drug Load Monolithic Controlled Release Oral Delivery System for Niacin: A Novel Approach.**
   M. P. Hite, C. A. Federici, S. J. Turner, R. Fassihi (AAPS 2001, Denver, CO)

9. **Novel Design of a Cost-Effective Monolithic Controlled Release Decongestant.**
   M. P. Hite, C. A. Federici, S. J. Turner, R. Fassihi (AAPS 2001, Denver, CO)

10. **Textural and Torque-based Procedure to Determine the Degree of Powder Mixing and Lubrication Efficiency for Scale-up Tableting.**
    C. V. Navaneethan, S. Missaghi, R. Talukder, M. Johnson, R. Fassihi (AAPS 2001, Denver, CO)

11. **Application of a Dual Crosslinking Reaction for Development of a Multiple-Unit Binary Polymeric System Designed for Constant Drug Release Rate.**
    V. Pillay, N. Hurbans, C. M. Dangor, R. Fassihi (AAPS 2001, Denver, CO)

12. **Statistical Optimization Applied in Formulation of Novel Superswelling Crosslinked Polyvinylalcohol Matrices.**
    V. Pillay, P. Danckwerts, R. Fassihi (AAPS 2001, Denver, CO)

13. **Extrusion-Spheronization Technology for Development of New HPMC-Based Spherules**
    V. Pillay, D. Lutchman, C. M. Dangor, D. Perumal, R. Fassihi (AAPS 2001, Denver, CO)

14. **Development Of Controlled Release Hydrophilic Matrix Tablets For Topical Colonic Delivery Of 5-aminosalicylic Acid**
    Rahmat Talukder, Reza Fassihi (AAPS 2002, Toronto, ON)

15. **Stability Analysis Of Granulated Metronidazole And Tetracycline HCl By HPLC**
    Yunqi Wu, Reza Fassihi (AAPS 2002, Toronto, ON)

16. **Assessment of Film Formation On Different Tablets Using Texture Analysis And Confocal Laser Scanning Microscopy**
    Shahrzad Missaghi, Reza Fassihi (AAPS 2002, Toronto, ON)

17. **Design And Development Of A Controlled Release Formulation For "dissolution-rate Limited" Dimenhydrinate Via In-situ Interactions Of Charged Substances And Polymers**
    Shahrzad Missaghi, Reza Fassihi, Stephen John Turner (AAPS 2002, Toronto, ON)

18. **A Novel In Situ Solubilization For A 'dissolution Rate Limited' Drug Within The Hydrophilic Matrix For Controlled Release Delivery: Ondansetron Hydrochloride**
    Charu V Navaneethan, Reza Fassihi, Stephen John Turner (AAPS 2002, Toronto, ON)

19. **In-situ Solubilization of Class II Drugs During The Hydrosol-gelation Phase In The Presence Of Amphoteric Amino Acids, Polysaccharides, And Polymers: A Novel Approach In Controlled Release Drug Delivery**
    Reza Fassihi, Thomas Durig, Stephen John Turner (AAPS 2002, Toronto, ON).

20. **Novel Design Of A Monolithic Oral Controlled-release Delivery Formulation For Novasoy® Soy Isoflavone Concentrate**
    Stephen John Turner, Cathy Federici, Mike Hite, Reza Fassihi (AAPS 2002, Toronto, ON)

21. **Novel Design Of A Robust And Rugged Oral Monolithic Controlled Release Delivery System For Tramadol Hydrochloride.**
    Stephen John Turner, Mike Hite, Cathy Federici, Reza Fassihi (AAPS 2002, Toronto, ON)

22. **In Vivo – In Vitro Correlation (IVIVC) Of A Novel Monolithic Controlled Release Dosage Form**
    Stephen John Turner, Mike Hite, Cathy Federici, Reza Fassihi (AAPS 2002, Toronto, ON)

23. **Influence Of Excipients And In-situ Ph Variation On Release Kinetics Of Metronidazole And Tetracycline Hydrochloride From A Matrix Tablet**
    Yunqi Wu, Reza Fassihi (AAPS 2003, Salt Lake City, UT)

24. **Swelling And Erosion Characterization Of HPMC and PEO Tablets During Dissolution**
    Yunqi Wu, Reza Fassihi (AAPS 2003, Salt Lake City, UT)

25. **Influence Of Polyethylene Oxide Molecular Weight On Release Kinetics Of A Class-ii Drug: 4-androstene-3,17-dione**
    Rahmat M. Talukder, Reza Fassihi (AAPS 2003, Salt Lake City, UT)

26. **Evaluation And Comparison Of Dissolution Profiles For A Swelling And Eroding Dimenhydrinate Tablet Using Usp Apparatus I, II, And III**
    Shahrzad Missaghi, Reza Fassihi (AAPS 2003, Salt Lake City, UT)

27. **Simulation Of Gastrointestinal Contractile Forces On Release Kinetics Of Swelling/eroding Matrices**
    Majde Takieddin, Reza Fassihi (AAPS 2003, Salt Lake City, UT)

28. **Effect Of Non-ionizable Soluble And Insoluble Excipients On Release Kinetics From Hpmc Based Tablets**
    Shahla Jamzad, Lara Tutunji, Reza Fassihi (AAPS 2003, Salt Lake City, UT)

29. **Development And Dissolution Kinetic Studies Of Ondansetron Hydrochloride From Hydrophilic Matrices Of Polyethylene Oxide**
    Charu V Navaneethan, Reza Fassihi (AAPS 2003, Salt Lake City, UT)

30. **Design And Development Of A Gastroretentive Delivery System For Upper Gastrointestinal Tract Drug Delivery**
    Yunqi Wu, Reza Fassihi (AAPS 2003, Salt Lake City, UT)

31. **Formulation Development Of A Novel Self-correcting Controlled Release Matrix System Incorporating Film-forming Polymer Coatings**
    Michael Patrick Hite, Steven Turner, Catherine Federici, Reza Fassihi (AAPS 2003, Salt Lake City, UT)

32. **In Vitro Investigations Of Alternative Controlling Polymer Formulations Of A Novel, Self-correcting Controlled Release Matrix Displaying Ba/be To A Reference-listed Product**
    Michael Patrick Hite, Steven Turner, Catherine Federici, Reza Fassihi (AAPS 2003, Salt Lake City, UT)

33. **Novel Design of An Oral Monolithic Controlled Release Delivery System For Branded Active Materials**
    S. J. Turner, C. Federici, M. Hite, R. Fassihi (AAPS 2003, Salt Lake City, UT)

34. **Development of a monolithic matrix tablet for glipizide: Analysis of drug release and induction of lag-time**
    Shahla Jamzad, Reza Fassihi (AAPS 2004, Baltimore, MD)

35. **Physicomechanical characterization of different polymeric materials and core substrates employed in formulation of film-coated dosage forms**
    Shahrzad Missaghi, Reza Fassihi (AAPS 2004, Baltimore, MD)

36. **Design and development of a microporous modified release verapamil tablet: analysis of linearity and lag time**
    Shahrzad Missaghi, Reza Fassihi (AAPS 2004, Baltimore, MD)

37. **Porosity-controlled osmotic system for delivery of high-load niacin with complete release and absence of burst effect**
    Charumathy Navaneethan, Reza Fassihi (AAPS 2004, Baltimore, MD)

38. **Evaluation of drug release and performance parameters for metformin commercial tablets**
    Lara Tutunji, Reza Fassihi (AAPS 2004, Baltimore, MD)

39. **Development of a delivery system with controlled onset and release rate for targeting distal intestine and colon**
    Rahmat Talukder, Reza Fassihi (AAPS 2004, Baltimore, MD)

40. **Stressed stability studies of granulated metronidazole, tetracycline HCl, famotidine and colloidal bismuth subcitrate**
    Yunqi Wu, Reza Fassihi (AAPS 2004, Baltimore, MD)

41. **Development of a tri-layered gastroretentive delivery system for the treatment of H. pylori associated ulcer**
    Yunqi Wu, Reza Fassihi (AAPS 2004, Baltimore, MD)

42. **Interactive Functions of Moisture Content, Lubricant, and Physical Character of Excipients on Ejection Force and Tensile Strength**
    Quan Liu, Shahla Jamzad, Shahrzad Missaghi, Charumathy Navaneethan,
    Reza Fassihi (Nashville, TN, 2005)
43. **Analysis of Matrix Geometry and Front Movements for Hydroxypropyl Methyl Cellulose (HPMC), Hydroxypropyl Cellulose (HPC), and Polyethylene Oxide (PEO)**
    Shahrzad Missaghi, Reza Fassihi (Nashville, TN, 2005)

44. **Design and Development of a Stable Oral Dosage Form of Omeprazole, an Acid-Labile Model Drug, via Compression and Enteric Coating**
    Shahrzad Missaghi, Reza Fassihi (Nashville, TN, 2005)

45. **Synchronization of swelling, erosion, and release in a novel and robust formulation of glipizide**
    Shahla Jamzad, Reza Fassihi (Nashville, TN, 2005)

46. **Dissolution rate of BCS Class II drugs: Influence of pH, surfactants, and sink condition on discriminatory power of dissolution testing**
Shahla Jamzad, Reza Fassihi (Nashville, TN, 2005)

47. **Compatibility study of metformin and selected polymers using differential scanning calorimetry and FTIR spectroscopy**
Lara Tutunji, Reza Fassihi (Nashville, TN, 2005)

48. **Development of a dual coated (rupturable) matrix system for targeting distal intestine and colon**
R.Talukder and Reza Fassihi,
AAPS (American Association of Pharmaceutical Scientists)
Annual meeting October 29-November 2, 2006, San Antonio, TX

49. **Development and in-vitro dissolution study of alfuzosin hydrochloride extended-release composite formulation**
Q. Liu and R. Fassihi
AAPS (American Association of Pharmaceutical Scientists)
Annual meeting October 29-November 2, 2006, San Antonio, TX

50. **Preformulation characterization of Glipizide as a low-dose drug in controlled release drug delivery**
S. Jamzad and R. Fassihi
AAPS (American Association of Pharmaceutical Scientists)
Annual meeting October 29-November 2, 2006, San Antonio, TX

51. **Comparative evaluation of physico-mechanical characteristics of gelatin and hypromellose capsules**
S. Missaghi and R. Fassihi
AAPS (American Association of Pharmaceutical Scientists)
Annual meeting October 29-November 2, 2006, San Antonio, TX

52. **Current challenges and future of modified release product development**
Reza Fassihi Ph.D.
2007 Colorcon North American MR Forum Program, May 9-10 2007.

53. **Development of a sensitive and reliable dissolution procedure:Unconventional drug delivery systems**
Reza Fassihi Ph.D.
ACS Mid-Atlantic Regional Meeting May 16-18; 2007, Ursinus College, Collegeville, PA.

54. **"In-vitro-in-vivo correlation (IVIVC) challenges for modified release formulations".**
Reza Fassihi Ph.D.

Glatt Air Techniques, CR Symposium Sept.18 th -20th ,2007, Ramsey, New Jersey and AAPS.

55. **Comparative study of swelling and erosion properties of PEO, HPMC and Kollidon SR**
Quan Liu, Reza. Fassihi, AAPS, Annual Meeting and Exposition, November 12–16, 2007, San Diego Convention Center, San Diego**.**

56. **An alternative dissolution approach for gastro-swellable and floatable drug delivery systems**
Quan Liua, Eunah Leeb, Reza Fassihia*; 2008 AAPS Annual Meeting and Exposition,November 16–20, 2008, Georgia World Congress Center Atlanta.

57. **Theoretical basis for delivery of 5-Amino salicylic acid to the colon**
Quan Liu, Biji B Palliyil, Reza Fassihi*; **2008 AAPS Annual Meeting and Exposition**,November 16–20, 2008, Georgia World Congress Center Atlanta.

58. **Evaluation of the Effects of Ethanol on Dissolution of Various Types of Modified Release Dosage Forms**
Rahmat M. Talukder, Michael Pilkington, Reza Fassihi, Shahrzad Missaghi, AAPS, **AAPS Annual Meeting and Exposition**, November 8–12, 2009, Los Angeles Convention Center, Los Angeles

59. **Formulation Development of a Novel kollidon based Gastro-retentive Matrix Delivery System**
Quan Liu and Reza Fassihi*; AAPS Annual Meeting and Exposition, November 8–12, 2009, Los Angeles Convention Center, Los Angeles

60. **Content Uniformity Study of Low Dose Controlled release Hydrohilic Matrix Using Raman Spectroscopy and Dissolution**
Quan Liu, Reza Fassihi*, AAPS Annual Meeting and Exposition, November 14–18, 2010, Ernest N. Morial Convention Center New Orleans.

61. **Application of Symmetrical Shape Factor (SSF) in Evaluating Uniformity of Swelling And Gel-layer Formation in Controlled Release Polymeric Matrices**
Quan Liu, Reza Fassihi*, AAPS Annual Meeting and Exposition, November 14–18, 2010, Ernest N. Morial Convention Center New Orleans**.**

62. **Considerations in drug selection, design and evaluation of gastro-retentive delivery systems (GRDS) for improved bioavailability and controlled delivery**
Reza Fassihi Ph.D. ; 2011 AAPS Annual Meeting and Exposition, October 23–27, 2011, Washington Convention Center, Washington, D.C.

63. **Influence of drug properties and formulation design on in-vitro and in-vivo prediction using controlled release dosage forms of Carbamazepine and Quetiapine fumarate**
Reza Fassihi Ph.D.; 2011 AAPS Annual Meeting and Exposition, October 23–27, 2011, Washington Convention Center, Washington, D.C.

64. **Dissolution rates enhancement of raloxifene hydrochloride using binary PEG mixture**
R. Talukder1, Kara Connelly1, Thomas Dürig, and Reza Fassihi; 2011 AAPS Annual Meeting and Exposition, October 23–27, 2011, Washington Convention Center, Washington, D.C.

65. **Physicochemical characterization of enteric-coated Omeprazole pellets with and without a protective sub-coat**
Marc A. Ilies, Vishnu Dutt Sharma and Reza Fassihi*; 2012 AAPS Annual Meeting and Exposition,October 14–17, 2012,McCormick Place, Chicago.

66. **Role of Colloidal Silica in a Dispersed Gel System as a Function of Polarity and Thixotropic Performance**
Zheng Lu and Reza Fassihi*, 2013 AAPS Annual Meeting and Exposition, November 10–14, 2013, Henry B. Gonzalez Convention Center, San Antonio.

67. **Potential effect of simulated GI contractual forces on deformation and erosion of swollen matrices and its influence on similarity factor "f_2" value**
M. Takieddin[1], Reza Fassihi[2*], 2013 AAPS Annual Meeting and Exposition, November 10–14, 2013, Henry B. Gonzalez Convention Center, San Antonio.

68. **Analysis of coating structures and interfaces in modified release oral dosage forms: Confocal Laser Scanning Microscopy (CLSM)**
Marc A. Ilies, and Reza Fassihi
Presented at AAPS Annual Meeting, San Diego 2014

69. **Modulation of burst release from matrix tablets containing high load-high solubility, high permeability API**
Zheng Lu and Reza Fassihi
Presented at: AAPS Annual Meeting and Exposition, San Diego 2014

70. **Development of a new delivery modality based on oral- soluble postage stamp size films**
Zheng Lu and Reza Fassihi
Presented at: AAPS Annual Meeting and Exposition, Orlando FL. (2015).

71. **Deficiency in discriminatory effect of USP- 34 dissolution monograph on immediate release Fenofibrate tablets having different particle sizes**
Zheng Lu, Shahla Jamzad, Uttam Satyal, Marc Ilies, and Reza Fassihi*
Presented at: AAPS Annual Meeting and Exposition, Orlando FL. (2015).

72. **Partially coated extended release eroding system: Variable drug release rate in stomach and intestine**
Zheng Lu and Reza Fassihi
Presented at: AAPS Annual Meeting and Exposition, Orlando FL. (2015).

73. **Analysis of Dissolution Rates and Role of Hydrodynamics Concerning Apparatus I And II for Immediate Release (IR) and Controlled Release (CR) Tablets: Absence of Correlation**
Zheng Lu and Reza Fassihi
Presented at: AAPS Annual Meeting and Exposition, Orlando FL. (2015).

74. **Supersaturated controlled release matrix for delivery of BCS Class-II compound Glipizide**
Zheng Lu, , Yonglai Yang, Rae-Ann Covington, Vivian Bi, Thomas Dürig, Marc Ilies and Reza Fassihi*
Presented at:CRS Annual Meeting and Exposition, Seattle WA, (2016).

75. **Amorphous based controlled release hydrophilic matrix of spray-dried gliclazide a Class-IIa,IIb drug**
Zheng Lu[1], Yonglai Yang[2], Rae-Ann Covington[2], Yunxia (Vivian) Bi[2], Thomas Dürig[2], and Reza Fassihi[1,*]
Presented at: Annal Meeting of AAPS, November 13-17, Denver, (2016).

76. **Supersaturated controlled release (CR) matrix for delivery of BCS Class-II drug: Amorphous Glipizide Zheng Lu1 , Yonglai Yang2 , Rae-Ann Covington2 , Vivian Bi2 , Thomas Dürig2 , Marc Ilies1 and Reza Fassihi**
Presented at: Annal Meeting of AAPS, November 13-17, Denver, (2016).

77. **An investigation into Syringeability and Injectability of Biopharmaceuticals: A Trio of needle-syringe-formulation**
Qiangnan Zhang, Zheng Lu, Mona A. Fassihi and Reza Fassihi
Presented at : Annual Meeting of AAPS, November 19-23, San Diego (2017).

Invited Presentations:

More than 350 presentations and published abstracts at various national and international meetings including scientific conferences, workshops, seminars, universities and government agencies during the past 23 years.

Abstracts and Invited Lectures

Papers have been presented at the following meetings on a regular basis:
1. AAPS 5th to Present annually on a regular basis.
2. Controlled Release Society every year since 1990.
3. British Pharmaceutical Conference on a regular basis.
4. Regional AAPS Meetings since 1990 every year.

Recent Presentations at national meetings, conferences, pharmaceutical companies and government agencies (partial list) as an invited speaker:

1. **"In-vitro-in-vivo correlation (IVIVC) challenges for modified release formulations".**
Reza Fassihi Ph.D.
Glatt Air Techniques, CR Symposium Sept.18 th -20th ,2007, Ramsey, New Jersey

2. **Current challenges and future of modified release product development**
Reza Fassihi Ph.D.
Colorcon North American MR Forum Program, May 9-10 2007.

3. **Development of a sensitive and reliable dissolution procedure:Unconventional drug delivery systems**

ACS Mid-Atlantic Regional Meeting May 16-18; 2007, Ursinus College, Collegeville, PA.

4. **Reza Fassihi- Eastern New Jersey pharmaceutical Technology meeting, Advances in controlled release hydrophilic systems. September 16th ,2005.**

5. **Reza Fassihi- FDA, Philadelphia, District, PA –April 23-27, 2004.** "Theory and Concepts of Specialized Dissolution Analysis".

6. **Invited speaker at the 2004 AAPS Annual Meeting and Exposition November 7-11, 2004 at the Baltimore Convention Center, Maryland.**
Presentation title: "Physicomechanical characterization of different polymeric materials and core substrates employed in formulation of film-coated dosage forms".

7. Invited speaker at Modified release Forum, Colorcon, Philadelphia, April 22-23, 2004. " Matrix type Controlled release systems- Recent advances".

8. **Invited speaker at the 2003 AAPS Annual Meeting and Exposition October 26-30, 2003 at the Salt Palace Convention Center, Utah.**
Presentation title: "Understanding release fromhydrophilic matrices-towards a functional characterization of old and new polymers".

9. **Invited speaker at CRS 2003 Workshop, July 2003, Glasgow ,Scotland**
Modified release products and challenges in oral delivery
Presentation title: "In-vitro dissolution assessment of swelling, erosing matrices".

10. **Presentation at Astra-Zeneca, April 2003, Willmington DE,**
Novel Drug Delivery Technologies : "An Integrated Approach Based on New Formulation Strategies".

11. **Reza Fassihi- BMS, May, 1st , 2003**
Trend in Controlled Release Delivery Technologies and manfacturing.

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