

Basic Information :

Name : Adel Sakr

Title : Professor of Industrial Pharmacy & Pharmaceutics and Board of Trustees Chair Assistant For



Prof. Dr. h.c. Adel Sakr is Board of Trustees Chair Assistant for Graduate Studies, Research and International Affairs, Future University, Egypt. He is Emeritus Distinguished Chaired Professor of Industrial Pharmacy & Pharmaceutics, King Saud University, Riyadh, KSA and Emeritus Professor of Industrial Pharmacy and Pharmaceutics and Emeritus Director of the Industrial Pharmacy Graduate Program at the College of Pharmacy, University of Cincinnati Medical Center, Cincinnati, Ohio, U. S. A. He received his Ph. D. in Industrial Pharmacy from the University of Strathclyde, Glasgow, U.K. He has held leading academic and industrial positions in Egypt, England, Germany, Puerto Rico, the United States and Saudi Arabia. He has advised more than 120 graduate students who presently hold leading position in academia and industry all over the world. Dr. Sakr's primary areas of interest include the design and optimization of immediate and extended release tablet formulations and manufacturing processes. He has published more than 160 full research papers in leading national and international pharmaceutical journals. In addition, Dr. Sakr has presented more than 450 original and/or invited workshop/symposium/podium/poster presentations to national and international meetings. Dr. Sakr is a member of Rho Chi Pharmaceutical Honor Society, the Controlled Release Society, American Pharmaceutical Association, American Association of Colleges of Pharmacy, International Federation of Pharmacy, Society of Cosmetic Chemists and American Association of Pharmaceutical Scientists. He is on the editorial boards of Pharmaceutical Development and Technology, Die Pharmazie, and Die Pharmazeutische Industrie. Dr. Sakr is an elected Fellow of the American Association of Pharmaceutical Scientists and Graduate Fellow of the University of Cincinnati. He is the recipient of the Distinguished Faculty Achievement Award of the University of Cincinnati. Dr. Sakr is awarded DOCTOR HONORIS CAUSA from Gr. T. Popa University of Medicine and Pharmacy, Iasi, Romania. Dr. Sakr is Emeritus Congress Chair, FIP-Industrial Pharmacy Section, the recipient of the 2008 American Association of Pharmaceutical Scientists Outstanding Educator Award and Egyptian Pharmaceutical Society Gold Medal for distinguished scientific achievements. Dr. Sakr is an elected fellow of the International Federation of Pharmacy (FIP) and the recipient of the 2011 AAPS Research Achievement Award for Manufacturing Science and Engineering.

Education :

Certificate	Major	University	Year
PhD	Industrial Pharmacy	Strathclyde, Glasgow, Scotland, U.K.	1966
Diploma	Industrial Pharmacy	Alexandria University	1961
Bachelor	Pharmaceutical Sciences	Alexandria University	1960

Teaching Experience :

Name Of Organization	Position	From Date	To Date
Future University Egypt	Professor of Industrial Pharmacy & Pharmaceutics & Pharmaceutics and Board of Trustees Chair Assistant for Graduate Studies, Research and International Affairs	01/01/2011	01/01/2014
King Saud University	Distinguished Chaired Professor of Industrial Pharmacy & Pharmaceutics, College of Pharmacy	01/01/2009	01/01/2011
University of Cincinnati Medical Center	Professor of Industrial Pharmacy and Pharmaceutics, and Director of Industrial Pharmacy Graduate Program, College of Pharmacy	01/01/1985	01/01/2008
University of Puerto Rico, San Juan	Coordinator of Graduate Courses, College of Pharmacy, University of Puerto Rico. Professor of Industrial Pharmacy and Pharmaceutics; Pharmacy Industry Chaired Professor, College of Pharmacy	01/01/1983	01/01/1985

Degussa Pharma Group, Frankfurt and Belfield, West Germany	Director, Solid Dosage Forms Laboratories, Pharmaceutical Research and Development	01/01/1982	01/01/1983
Frankfurt, West Germany	Trainee for Middle East Director Hoechst ,A G	01/01/1980	01/01/1981
University of Tuebingen	Visiting Professor, Department of Pharmaceutical Technology, Institute of Pharmacy	01/01/1977	01/01/1980
University of Assiut, Egypt	Associate Dean, College of Pharmacy,	01/01/1967	01/01/1978
Glasgow, Scotland, Great Britain	Graduate Student and Part-Time Instructor, Department of Pharmaceutical Technology, University of Strathclyde,	01/01/1962	01/01/1966
University of Alexandria, Alexandria, Egypt.	Instructor, Department of Pharmaceutics, College of Pharmacy,	01/01/1960	01/01/1962

Research :

- Czetsch-Lindenwald, H., Abdine, H. and Sakr, A., "Silikonisieren von Arzneiflaschen".
- Anderson, W., and Sakr, A., "Coating of Pharmaceutical Tablets: The Spray-pan Method". J. Pharm. Pharmacol., 18, 783-794
- Anderson, W., and Sakr, A., "Apparatus for Studying the Disintegration of Tablet Coatings". J. Pharm. Pharmacol., 19, 329-331
- Anderson, W., and Sakr, A., "Spray Pan Coating of Tablets. Manuf. Chem. & Aerosol News", 38 (9), 42-47
- Kassem, A., Sakr, A., and Mesiha, M., "Effect of Granule Size on Physical Standards of Tablets". Manuf. Chem. and Aerosol News, 43 (8), 24-27
- Sakr, A., and Kassem, A., "Factors Affecting Tablet Hardness and Disintegration". Manuf. Chem. & Aerosol News, 43 (9), 37-41
- Sakr, A., and Kassem, A., "Factors Affecting the Physical Standards of Tablets". Manuf. Chem. & Aerosol News, 43 (11), 38-44
- Sakr, A., and Kassem, A., "Factors Affecting Tablet Hardness and Friability". Manuf. Chem. & Aerosol News, 43 (12), 51-55
- Sakr, A., El Sabbagh, H., and Mesiha, M., "Effect of Granule Size and Compression". Manuf. Chem. & Aerosol News, 44 (2), 29-33
- Kassem, A., Sakr, A., and Abdou, H., "Development of a Sustained Release Antispasmodic Tablet". Manuf. Chem. & Aerosol News, 44 (3), 43-45
- Sakr, et. al., "Influence of Carbopol 71G-NF on the release of Dextromethorphan Hydrobromide from Extended release Matrix Tablets", Pharmaceutical Development & Technology,
- Sakr, et al., "Upgrading wet granulation monitoring from hand squeeze test to mixing torque Rheometry", Saudi Pharmaceutical Journal
- Sakr, et. Al. , "Assessment of the pharmaceutical quality of marketed enteric coated Pantoprazole sodium Sesquihydrate products" Saudi Pharmaceutical Journal, 19 (2), 123-127
- Sakr, W., Alanazi, F. and Sakr, A., "Effect of Kollidon_ SR on the release of Albuterol Sulphate from matrix tablets", Saudi Pharmaceutical Journal, 19 (1),
- Bharaj, S., Takka, S. and Sakr, A., "Development and In Vivo Evaluation of Extended Release Dextromethorphan Tablets, part 2", Pharm. Ind., 68 (2) 247-249
- Bharaj, S., Takka, S. and Sakr, A., "Development and In-Vivo Evaluation of Extended Release Dextromethorphan Tablets, part 1", Pharm. Ind., 68 (1), 116-119
- Tillotson, J., and Sakr, A., "Application of a D-Optimal Mixture Design for Formulation of an Extended –Release matrix Tablet", Pharm. Ind., 67 (7), 836-843
- Hausman, D., Cambron, R. and Sakr, A., "Application of Raman as a Process Analytical Technology Tool for Low Dose Blend Uniformity", International J. Pharmaceutics, 298, 80-90
- Hausman, D, Cambron, R. and Sakr, A., "Application of on-line Raman spectroscopy for characterizing relationships between drug hydration state and tablet physical stability", International J. Pharmaceutics, 299, 19-33,
- Draganoiu, E. and Sakr, A., "Development and in vitro/in vivo evaluation of extended release Propranolol tablets; part II: pilot bioequivalence study", Pharm. Ind., 68 (1), 241-246
- Gao, Z.M., Schulze Nahrup, J., Mark, J, and Sakr, A., "Poly (dimethylsiloxane) coatings for controlled release: II Mechanism of the cross linking reaction in emulsion", J. Appl. Polym. Sci., 91, 2186-2194

- Menendez, J. and Sakr, A., "Effect of Excipients on the protection of compressed Eudragit-coated Metronidazole pellets", *Pharm. Ind.*, 66 (8), 916-919
- Patel, H., Stalcup, A., Dansereau and Sakr, A., "The effect of Excipients on the Stability of Levothyroxine Sodium tablets", *Int. J. Pharm.*, 264 (1-2), 35-43
- Takka, S., Sakr, A. and Goldberg, A., "Development and validation of an in vitro-in vivo correlation for buspirone hydrochloride extended release tablets", *J. Controlled Release*, 88, 147-157
- Alkhatib, H. and Sakr, A., "Optimization of Methacrylic Acid Ester Copolymer Blends as Controlled Release Coatings Using Response Surface Methodology", *Pharmaceutical Development and Technology*, 8 (1), 87-96
- Alkhatib, H. and Sakr, A., "Optimization of Methacrylic Acid Ester Copolymer Blends as Controlled Release Coatings Using Response Surface Methodology", *Pharmaceutical Development and Technology*, 8 (1), 87-96
- Draganoiu, E., Andheria, M., and Sakr, A., "Evaluation of the New Polyvinylacetate/Povidone Excipient for Matrix Sustained Release Dosage Forms", *Pharm. Ind.*, 63, 624-629
- Hamed, E., and Sakr, A., "Application of Multiple Response Optimization Technique to Extended Release Formulations Design", *Journal of Controlled Release*, 73, 329-338
- Sakr, A., and Andheria, M., "Pharmacokinetics of Buspirone Extended
- Guirgis, H., Broegmann, B., and Sakr, A., "Hot Melt Technology: Effect of Channeling Agents: Part 1: Granule Characteristics", *Pharm. Ind.*, 63, 297-
- Habib, W, Takka, S, and Sakr, A., "Effect of Roller Compaction on Nisin Raw material Lot-to-Lot Variations", *Pharm. Ind.*, 62,(11) 914-918
- Turkoglu, M., and Sakr, A., "Evaluation of irritation potential of surfactant mixtures", *Int. J. Cosmetics. Sci.*, 21, 371-382
- Sorgenfrey, D., Rau, A. and Sakr, A., "Effect of Temperature and Filler Type on the Degradation Kinetics of Effervescent Tablets Stored in Imperfectly Sealed Foils", *Pharm. Ind.* 57, 499-502
- Boehnlein, J., Sakr, A., Lichtin, J., and Bronaugh, R., "Characterization of Esterase and Alcohol Dehydrogenase Activity in Skin. Metabolism of Retinyl Palmitate to Retinol (Vitamin A) During Percutaneous Absorption", *Pharm. Res.* 11, 1155-1159