

CURRICULUM VITAE

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Membership Societies	American Chemical Society American Society for Mass Spectrometry Asian Federation of Clinical Pharmacologists International Society for the Study of Xenobiotics New York Academy of Sciences
Honors & Awards	1965 - 1967 District Board Scholarship, Government of India 1967 - 1971 National Merit Scholarship, Government of India 1973 - 1977 Council of Scientific and Industrial Research (Equivalent to N.S.F. in India) Graduate Fellow 1977 Postdoctoral Fellow C.S.I.R. India 1978 - 1979 Faculty Research Award, University Grant Commission, India 1982 - 1983 Maryland Cancer Program Institutional Research Grant MCP/ACS-174A-1182-18 1990 - 1992 Biomedical Research Grant
Employment Record	1973 - 1977 Graduate Fellow, Delhi University, Delhi, India 1977-1977 Lecturer, Hans Raj College, Delhi University, Delhi, India B.Sc. Hon. Organic Chemistry 1977 - 1979 Lecturer, Zakir Husain College, Ajmeri gate, Delhi, India B.Sc. Hon. Organic and Analytical Chemistry 1979 Assistant Professor, Delhi University, Delhi, India 1979 - 1985 Faculty Research Associate, University of Maryland, College Park, MD 1985 - 1987 Research Instructor, Department of Pharmacology, Vanderbilt University, Nashville, TN 1988 - 1990 Research Assistant Professor, Department of Pharmacology, Vanderbilt University, Nashville, TN

1990 - 1992	Research Associate Professor, Department of Pharmacology, Vanderbilt University, Nashville, TN
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1992 - 1995	Senior Research Investigator, Pfizer Central Research, Groton, CT
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2000-2004	Research Advisor, Pfizer Global Research and Development
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Courses Taught:	Analytical, Organic and Medicinal Chemistry
Courses Organized	CYP-450 Biotransformation of Xenobiotics: Concepts, Mechanisms and Techniques Bioanalytical Method Development and LC/MS
Reviewer for Scientific Journals	Drug Metabolism and Disposition Analytical Chemistry J Chromatography Current Drug metabolism Bioorganic Medicinal Chemistry Letters Expert Opinion on Drug Metabolism & Toxicology Drug Metabolism letters Rapid Communication in Mass Spectrometry
Editorial Board	Current drug Metabolism (Editor-in-Chief) Expert Opinion on Drug Metabolism & Toxicology (2005) Drug metabolism Letters (2007)
Invited Speaker	Eastern analytical symposium (1994) American Society of Mass Spectrometry (1998) ACS North New Jersey Mass spectrometry Group Meeting (1999) American Society of Mass Spectrometry (1999) American Society of Mass Spectrometry (2000) Predicting Drug Metabolism (2002) Gordon Conference (2002) Eastern Analytical Symposium (2002) International Isotope Society meeting (2003) Eastern Analytical Symposium (2003) American Society of Mass Spectrometry (2004) World Science Congress (2005) American Society of Mass Spectrometry (2005) Conference on Small Molecules Science (2005) Drug Discovery and Development Summit (2005) American Society of Mass Spectrometry (2006) World Science Congress (2006) Boston Society for Advanced Therapeutics 2006)
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Boston Society for Advanced Therapeutics (2006)

Publications: (Total 212, publications 97, book chapters 7, presentations 103 and 5 Patents)

1. **Prakash, C.**, Johnson, K., Cui, D, Potchoiba, M and Butler, T. (2007). Metabolism and excretion of a NMDA receptor antagonist, traxoprodil, in Long-Evans rats: characterization of glucuronide conjugates by mass spectrometry. Drug Metab Dispos submitted.
2. Johnson, K., Gardner, M. and **Prakash, C.** (2007). Metabolism, pharmacokinetics and excretion of lasofoxifene, a next generation selective estrogen receptor modulator, in healthy male subjects Drug Metab Dispos. Submitted
3. **Prakash, C.**, Shaffer, C. and Nedderman, A (2007) Analytical strategies for identifying drug metabolites. Mass Spectrometry Reviews in Press
4. Ling, J, **Prakash, C.**, Johnson, Kim, Lum, B., Rakhit, R., Pantze, M and Hamilton, M. (2006). Metabolism and excretion of erlotinib, a small molecule inhibitor of epidermal growth factor receptor tyrosine kinase, in healthy male volunteers. Drug Metab Dispos 34, 420-426
5. Kamel, A., Davis, J., Potchoiba, M. and **Prakash, C** (2006) Metabolism, excretion and distribution of the potent tachykinin Nk1 receptor antagonist in the rat: Characterization of a novel oxidative pathway. Xenobiotica 36, (2-3), 235-258
6. Zhang, J., Wang, Y and Prakash, C. (2006) Xenobiotic-metabolizing enzymes in human lung Current Drug metabolism 7, 939-948
7. Kamel, A. and **Prakash, C.** (2006) High performance liquid chromatography/atmospheric pressure ionization /tandem Mass spectrometry (HPLC/API/MS/MS) in drug metabolism and toxicology studies. Current Drug metabolism 7, 837-852
8. Hop, C, and **Prakash, C.** (2005) Metabolite Identification by LC-MS: Applications in Drug Discovery and Development. Progress in Pharmaceutical and Biomedical Analysis (2005), 6 (Identification and Quantification of Drugs, Metabolites and Metabolizing Enzymes by LC-MS), 123-158.
9. Paniagua, R, Campbell, A., Changelian, P., Reitz, B., **Prakash, C.** and Borie, D. (2005) Quantitative analysis of the immunosuppressant, CP-690,550, in whole blood by column switching high-performance liquid chromatography and mass spectrometry detection. Therapeutic Drug Monitoring. 27, 608-16.
10. Johnson, K., and **Prakash, C.** (2005). Metabolism, excretion and pharmacokinetics of (3-{[4-tert-butyl-benzyl)-(pyridine-3-sulfonyl)-amino]-methyl}-phenoxy)-acetic acid, an EP-2 receptor selective pge2 agonist, in the rat. Drug Metab Dispos. 33, 1191-1201.
11. Miao, Z., Kamel, A and **Prakash, C.** (2005) Characterizaion of a novel metabolite intermediate of ziprasidone in hepatic cytosolic fractions of rat, dog and human by ESI-MS/MS, H/D exchange and chemical derivatization. Drug Metab Dispos 33, 879-883.
12. Liberman, R, Tannenbaum, S., Hughey, B., Shefer, R., Klinkowstein, R., **Prakash C.**, Harriman, S., and Skipper, P. (2004). An interface for direct analysis of ¹⁴C in non-volatile samples by accelerator mass spectrometry. Analytical Chem. 76(2), 328-334
13. Rossulek, M. Khojasteh, C., Fouda, H., **Prakash, C.** (2003). Identification of the human cytochrome P450 isoform(s) responsible for the *in vitro* metabolism of a leukotriene B4 receptor antagonist, CP-195,543. Xenobiotica. 33, 1201-10.

14. Johnson, K., Shah, A., Jaw, J., Baxter J. and **Prakash, C** (2003). Metabolism, pharmacokinetics, and excretion of a highly selective NMDA receptor antagonist, traxoprodil, in human cytochrome P450 2D6 extensive and poor metabolizers. Drug Metab Dispos 31, 76-87
15. Kamel, A, **Prakash, C**, B. Obach, C. Saverino and H. Fouda. (2000). Narrow-bore high-performance liquid chromatography in combination with ionspray tandem mass spectrometry for the determination of the substance P receptor antagonist, ezlopitant and its two active metabolites in plasma. J. Chromatogr. B. 748, 179-188. _
16. **Prakash, C.**, Kamel, A., Cui, D. Whalen, Miceli, J. and Tweedie, D. (2000) Identification of the major human liver cytochrome P450 isoform responsible for the formation of the primary metabolites of ziprasidone and prediction of possible drug interactions. Br. J. Clin Pharmacol. 49 (Suppl), 35S-42S.
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20. **Prakash, C.** and Soliman, V. (1997) Metabolism and excretion of a new anxiolytic drug candidate, CP-93,393, in Long-Evans rat. Drug Metab. Dispos. 25,1288-1297.
21. **Prakash, C.**, Kamel, A., Anderson, W. and Howard H. (1997) Metabolism and excretion of the antipsychotic drug ziprasidone in rat after administration of a mixture of ³H- and ¹⁴C-labeled ziprasidone. Drug Metab. Dispos. 25, 206-218.
22. **Prakash, C.**, Kamel, A. and Cui, D. (1997) Identification of novel benzisothiazole cleaved products of ziprasidone. Drug Metab Dispos. 25, 897-901.
23. **Prakash, C.**, Kamel, A., Gummerus, J. and Wilner, K. (1997) Metabolism and excretion of the antipsychotic drug, ziprasidone, in humans. Drug Metab. Dispos. 25, 863-872.
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BOOK CHAPTERS

1. **Prakash, C.** and Vijay, I.K. (1985) Separation and partial purification of two glycosyltransferases in biosynthesis of mammary glycoproteins. Glycoconjugate, 287-288.
2. **Prakash, C.**, Roberts II, L.J., Saleh, S., Taber, D.F. and Blair, I.A. (1986) Synthesis of putative prostaglandin D₂ metabolites. Advances in Prostaglandin, Thromboxane and Leukotriene Research, (Samuelsson, B., Paoletti, R., Ranwell, P. eds), Raven Press, New York, **17**, 781-787.
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