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<p>Academic Background: Ph.D. (Chemistry Department, Indian Institute of Technology Madras, Chennai, 2008) M.Sc. (Chemistry Department, Indian Institute of Technology Madras, Chennai, 2003) B.Sc. (Chemistry Department, Calicut University, Kerala, 2001)</p>	<p>Professional Experience: Worked as a Chemist in Dr. Reddys Laboratories Ltd. Miyapur, Hyderabad.</p>
<p>Research Interests:</p> <ul style="list-style-type: none"> • Fluorescence Spectroscopy and Chemometrics • Synchronous and Excitation-Emission Matrix Fluorescence Spectroscopy 	
<p>Awards and Fellowships:</p> <ul style="list-style-type: none"> • Best thesis award from Chemistry Department, Indian Institute of Technology Madras, Chennai, 2008 	
<p>Research Schemes, collaborative ventures and consultancy)</p> <ul style="list-style-type: none"> • 	
<p>Research Publications (last 10 years)</p> <ol style="list-style-type: none"> 1. Combining Synchronous Fluorescence Spectroscopy with Multivariate Methods for the Analysis of Petrol-Kerosene mixtures, Divya. O and Ashok. K. Mishra, Talanta, 72 (2007) 43-48. 2. A Multivariate Approach to the Excitation Emission Matrix Fluorescence Spectroscopic Data of Diesel-Kerosene Mixtures, Divya. O and Ashok. K. Mishra, Analytica Chimica Acta, 592 (2007) 82-90. 3. Chemometric study of 'Excitation Emission Matrix Fluorescence' Data: Quantitative Analysis of Petrol-Kerosene Mixtures, Divya. O and Ashok. K. Mishra, Applied Spectroscopy, 62 (2008) 753-758. 4. Understanding the Concept of Concentration Dependent Red Shift in Synchronous Fluorescence Spectra: Prediction of λ_{\max} and Optimization of $\Delta\lambda$ for Synchronous Fluorescence Scan, Divya. O and Ashok. K. Mishra, Analytica Chimica Acta, 630 (2008) 47-56. 5. Analysis of metal ion concentration in humic acid by Excitation Emission Matrix Fluorescence and Chemometric Methods, Divya. O, V. Venkataraman and Ashok. K. 	

Mishra, Journal of Applied Spectroscopy 76 (2009) 864-875.

6. Development of an Analytical Method Combining Chemometrics and Synchronous Fluorescence: Analysis of diesel-kerosene mixtures, **Divya. O** and Ashok. K. Mishra, (Proceedings of the National Academy of Sciences, India, 78 (2008) 115-122.
7. Chemometric evaluation of synchronous fluorescence spectroscopic data for the analysis of multifluorophoric system (Petroleum fuel mixtures)", Proceedings of International Conference on molecules to materials, SLIET, Longowal, Punjab, **Divya. O** and Ashok. K. Mishra March 3-4, 2006, 153-157.

Patents:

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