

## LIST OF RESEARCH PUBLICATIONS LABELLED COMPOUNDS LABORATORY

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3. Carbon-14 or sulphur-35? A channel ratio method (LSC) for isotope identification". B. Muralidharan, S. Ravi, K.M. Mathew, A. Gothal, M.H. Bhatia, G. Subramanian and N. Swaminathan IARP Symp. March 1992 held at Mumbai (India) Bulletin of Radiation protection, 15(1), IARP 19/32, 1992
4. Biotechnological Preparation of high specific activity L-35S-cysteine and L-35S- methionine by using a diploid yeast Saccharomyces Cerevasiae, N. Gajendiran, N. Jayachandran, V.K. P. Unny, B.S. Rao, S.Thyagarajan, J. Labelled Compounds & Radiopharmaceuticals (1994) 34, 571-976
5. Biosynthesis of high specific activity <sup>35</sup>S-glutathione. N. Jayachandran, Asokan and V.K.P. Unny, J. Labelled Compounds & Radiopharmaceuticals 43, 971-75 (2000).
6. Salient Features in the Preparation of Promethium-147 Activated Zinc Sulphide Phosphor Light Sources", S. Ravi, K.M. Mathew, N.K. Seshadri, and T.K. Subramanian. Journal of Radioanalytical and Nuclear Chemistry , 250, 565-568, 2001

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9. Studies on protein hydrolysis for better recovery and higher yield of L-<sup>35</sup>S- methionine. K. Devika, K.P. Asokan, A.V. Venkitaraman, Jacob Sebastian and N. Jayachandran, Proceedings of the 38<sup>th</sup> Annual Convention of Chemists, Indian Chemical Society, JNV University, Jodhpur, December 25-29 (2001)
10. A facile preparation of (2,4,6-<sup>14</sup>C)-cyanuric acid under solvent free conditions – S.P. Patil and D. Padmanabhan - J. Labelled Compounds & Radiopharmaceuticals , 45, 539- 542 (2002).
11. Synthesis of deoxyadenosine-5'-(<sup>35</sup>S)-thiomonophosphate [dAMP (<sup>35</sup>S)] of High Specific activity -a key intermediate for the synthesis of Sp-deoxyadenosine-5'-( $\alpha$ -<sup>35</sup>S)-thiotriphosphate [Sp-dATP ( $\alpha$ -<sup>35</sup>S)]. K.M. Mathew, S.Ravi, C.V. Sontakke and Harish Chander Journal of Labelled Compounds and Radiopharmaceuticals (2002) 45, 19-28, 2002
12. Preparation Of Tritiated Polystyrene Coated Radioluminescent Phosphor. S.Ravi, K.M. Mathew, T.K. Subramanian and N.K. Seshadri. Journal of Radioanalytical and Nuclear Chemistry 254, 209-211, 2002

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24. A rapid and microwave induced synthesis of  $^{14}\text{C}$  labelled carboxylic acids K.M. Mathew, S. Ravi, V.K.P. Unny and N. Sivaprasad International Conference on Application of Radiotracers in Chemical, environmental and Biological Science (ARCEBS 06),Calcutta Jan 23 – 27, 2006 2, 49-50.
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