

LIST OF PUBLICATIONS OF S. RANGANAYAKI

Ranganayaki, S. and Bahadur, K.

1. Probable reactions involved in the photosynthesis of proline, serine and other amino acids.  
Comptes Rendu. France, 240, 246-48(1955).
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Proc. Natl. Acad. Sc., 23A, 21-23(1954).
3. A study of the growth of *Pichia membranaefaciens* utilising the energy obtained by the oxidation of different metallic hydroxides by aeration.  
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4. A study of the influence of zinc and iodide ions on the formation of amino acids in the culture of *Pichia membranaefaciens*.  
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5. Long period preservation of the Dhar yeast in active form.  
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9. Formation of peptide bonds in aqueous solution and aqueous line of molecular evolution.  
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Japan, J. Microb., 2, No. 2, 197-201(1958).

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Synthesis of molecular association with the properties of biological order.  
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36. ~~Bahadur, K., Ranganayabi, S. and Kumar, S.~~  
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34. Study of the response to Antibiotics in Jeevanu, the self-sustaining coacervates, capable of growth, multiplication and metabolic activity.

K. Bahadur, S. Ranganayaki, Y.P. Singh and S. Kumar,  
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35. Synthesis of Amino Acids and Peptides in sterilized aqueous mixtures under different conditions.

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and Ranganayaki, S. et al., Vijnana Parishad  
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~~Part I~~ ~~Part II~~ 41

37. Influence of Ammonium Thiocyanate on Synthesis of Cysteine in the presence of Cobalt Sulphate.

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38. Effect of Increasing Concentrations of Formaldehyde on the Synthesis of Cysteine.

S. Ranganayaki, Usha Jyotishmati and  
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S. Ranganayaki, Bharti Srivastava,  
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40. Biophotolysis of water for  $H_2$  production  
via natural and artificial catalytic systems

Rao, K.K., Adams, M.W.W., Morris, P., Hall  
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72 - 81 - II<sup>nd</sup> Part

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36. Synthesis of "Green" the units capable of growth  
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Ranganayaki, S., Srivastava, S. and Jyotishmati, U.,  
Vijnana Pari. Anu. Patrika, (1978) (under print).

Research qualifications :

1. Published Sixty five papers in various scientific journals. List attached.
2. Forteen students have received D.Phil, degree working under my guidance. List attached.
3. Visted Imperial College of Science and Technology, London, England in 1960 in connection with my research work.
4. Granted study leave from the University of Allahabad from October 1967 to July 1968 for carrying out research in Sir George Williams University, Montreal, Canada. The work carried out has been published in the form of a research paper in the journal of British Interplenetary Society.
5. Written a book- " Origin of Life A Functional Approach ~~UNIVERSITY OF ALLAHABAD~~ M/S Ram Narain Lal Beni Prasad Publishers, Allahabad.

( S. RANAGANAYAKI )