

Publications list of Prof. S.Laik:

1. **Laik S.** and Srinivasan S., "Conversion Factors from SPE (of USA) preferred Petroleum Industry Units to SI Units" Proceeding of a Workshop on "Application of SI Units in Industry", I.I.T., Kharagpur, April 19-21, 1979.
2. Srinivasan S. and **Laik S.**, "Application of SI Units in the Petroleum Industry" Proceeding of a Workshop on "Application of SI Unit in Industry", I.I.T., Kharagpur, April 19-21, 1979.
3. Mony G.S and **Laik S.**, "Petroleum Wax Manufacture and Utilization" Energy JL. URJA, April 1981, pp. 227-230.
4. **Laik S.**, "Effect of Friction Resistance in Stress Analysis of Buried Pipeline" The Indian and Eastern Engr, July 1981, pp. 319-322.
5. **Laik S.** and Basu A. K., "Pipeline Transportation of Oil and Gas in India" National Seminar on "Problems of Petroleum Production : Onshore and Offshore", ISM, Dhanbad, Oct. 21-23, 1984.
6. **Laik S.** and Basu A. K., "Pipeline Transportation of Oil and Gas in India – State of Art" Energy JL. URJA Dec. 1984, pp 455-463.
7. **Laik S.**, "Pipeline Construction in Swampy Area" National Symposium on "Hydraulic Transportation of Solids through Pipeline", Inst. of Engrs (India), Ranchi, March 15-16, 1985.
8. Dey N. C. and **Laik S.**, "Effect of Temperature on Intrinsic Viscosity of Partially Hydrolysed Polyacrylamides" JL of Inst. of Engr.(I), pt. CH.2, Feb. 1986, pp. 22-24.
9. Sharma V. P., **Laik S.** and Srinivasan S. "A Review of the Application of Clay in the Drilling Fluids" Research and Industry, Vol. 31, Sept. 1986, pp 230-235.
10. **Laik S.**, "Education and its Three Dimensions" Nat. Seminar on "New Education Policy and Application in the Mining and Mineral Industry", ISM, Dhanbad, March 7-8, 1987
11. **Laik S.**, Pathak C. K. and Sharma V. P., "Effects of Pour Point Depressants on Waxy Indian Crude Oil" JL. of Inst of Engrs.(I), Vol 69, pt. CH-2, Feb. 1989, pp. 60-63. (Certificate of Merit was awarded on this paper)
12. Kumar A. and **Laik S.**, "A Journey through Import Substitution of Breaker" Nat. Seminar on "Strategies in Petroleum Production and Utilization", ISM, Dhanbad, Jan 13-14, 1990.

13. **Laik S.** and Kumar A., “Crosslinking of Indigenous and Imported Guar Gum for Hydraulic Fracturing” Research and Industry, Vol. 35, March 1990, pp. 40-45.
(It became a News item in Chemical Weekly, May 8, 1990, p 99 and in Science Service, Vol 9, No. 7, April 1-15, 1990 and created interest among different chemical industries and commercial organizations)
14. **Laik S.** and Kumar A., “A Comparative Study of Imported and Indigenous Breakers” JL of Inst. of Engr(I), Vol. 73 Oct. 1992, pp. 47-50.
15. **Laik S.** and Kumar A., “Development of Empirical Equation for Power Law Fluid Parameters for Indigenously Available Fracturing Fluid”, JL. of Inst. of Engr(I), Vol. 74 Feb. 1994, pp. 149-153.
16. **Laik S.**, “Scientific Temper in Education – Role of Educators” Univ. News, June 6, 1994, pp. 10-13 and also in a Book titled “Society, Education and Development” 1998, pp. 128-135
17. **Laik S.**, and Kumar A., “Status of Hydraulic Fracturing Stimulation Techniques in Coal Seam Reservoirs” First International Conference and Exhibition, PETROTECH-95, New Delhi, India, 9-12 Jan.,1995.
18. **Laik S.**, “Borehole Simulator for Prediction of Wellbore Stresses” JL. of Inst. of Engr.(I), MN, Vol. 76, Nov. 1995, pp. 39-43.
(Certificate of Merit was awarded on this paper)
19. **Laik S.**, “Photoelastic Stress – Freezing Method of Stress Analysis of Buried Pipelines Subjected to Typical Conditions of Loading and Supports” Proceedings of International Conference on “Pipes and Pressure Vessels”, Singapore, Feb. 1-2, 1996, pp.125-132.
20. **Laik S.** and Kumar A., “Effect of Geometric Variables on the Performance of Massive Hydraulic Fracturing Processes”, Second International Conference and Exhibition, PETROTECH-97, New Delhi, India, 9-12 Jan. 1997.
21. Rani A. and **Laik S.**, “Analytical Solution of Heat Losses in the Base and Cap Rocks During Steam Flooding” Nat. Sem. on “Technological Advances and Challenges in Oil and Gas Industry”, ISM Dhanbad, Jan 9-10, 1998
22. Karmakar G. P., **Laik S.**, Grattoni C. A. and Zimmerman R. W., “Gel Rheological Properties and Water Flow Behaviour of the Tetramethoxysilane – Water system” Second International Conference and Exhibition, PETROTECH- 2003, 9-12 Jan. 2003.
23. Chimmalgi V.S., **Laik S.**, Kumar G. et al “Application of Downhole Water Sink Technology in Indian Oil Fields – A Feasibility Study” 6th Int. Conference PETROTECH 2005, New Delhi (15-19 Jan, 2005).

24. **Laik S.** “Cutting Edge Technology – Filling the Gap”, Jl. of Petrotech Society, Vol. II, No. 1, March 2005, pp 25-35.
25. **Laik S.** and Mahto V. “Emerging Developments on Coal Bed Methane Production Technology – An Overview”, National Conference 1st Indian Mineral Congress (IMC 2005) Dhanbad, 28th Feb-1st March, 2005.
26. Mahto V & **Laik S.** “Environmental Aspects of Coal bed Methane Production Technology”, National Conference 1st Indian Mineral Congress (IMC 2005) Dhanbad, 28th Feb-1st March, 2005.
27. **Laik S.** and Mandal A. “Formation and Decomposition of Ethane Hydrate – An Experimental Study”, 12th India Oil & Gas Review Symposium (IORS, 2005) Mumbai, 5-6 Sep, 2005.
28. Kumar A., **Laik S.**, Sharma V.P., Mandal A. and Mishra N.M. “Kinetic and Morphological Studies of Ethane Hydrate Nucleation in a Semi Batch Tank Reactor”, GASTECH-2006, Mumbai, 11-14 Jan 2006.
29. Khan A.R., Mahto V., Fazal S.A and **Laik S.** “Prediction of Wax Deposition onset and factors affecting it”, Jl. of Petroleum Science & Engg., Accepted for publication in 2006.