LITERATURE CITED

[1] D.J Weatherall, J.B Clegg, "Inherited haemoglobin disorders: an increasing global health problem" Bull. World Health Organ. **79**: 704–12, 2001

[2] N Awasthy, K. C. Aggarwal, P. C. Goyal,M.S Prasad, M. Sharma, "Sickle cell disease: Experience of a tertiary care center in a nonendemic area" Ann Trop Med Public Health, 2008.

[3] P. Rakshita, K. Bhowmikb, "Detection of Abnormal Findings in Human RBC in Diagnosing Sickle Cell Anaemia Using Image Processing", International Conference on Computational Intelligence: Modeling, Techniques and Applications, Elsevier, 2013

[4] N. S. Aruna, S. Hariharan, "Edge Detection of Sickle Cells in Red Blood Cells", International Journal of Computer Science and Information Technologies, Vol. 5 (3) 4140-4144, 2014.

[5] S. S. Barpanda, "Use of Image Processing Techniques to Automatically Diagnose Sickle-Cell Anemia Present in Red Blood Cells Smear", NIIT Rourkela, 2013.

[6] NCMH Background Papers—Burden of Disease in India (New Delhi, India), September 2005, Ministry of Health & Family Welfare, Nirman Bhawan, Maulana Azad Road, New Delhi 110011, India.

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