

## REFERENCES

- [1] Adiwijaya, B. Purnama, A. Hasyim, M. D. Septiani, U. N. Wisesty, W. Astuti. "Follicle Detection on the USG Images to Support Determination Polycystic Ovary Syndrome," Proceeding of Sciotech 2015 pp. 255-262
- [2] Adiwijaya, T. A. B. Wirayuda, S. D. Winanjuar, U. Muslimah. "The Multiple Watermarking on Digital Medical Image for Mobility and Authenticity Operations Research," Proceedings 2012, pp. 457-462
- [3] A. H. Balen, J. S. E. Laven, S. L. Tan, D. Dewailly. "Ultrasound assessment of the polycystic ovary : international consensus definitions". Human Reproduction Update, vol. 9, no.6, pp. 505-514, 2003.
- [4] A. M. Eskicioglu and P. S. Fisher. "Image quality measures and their performance," IEEE Transaction on communications, vol. no.12, December 1995.
- [5] A. P. Engelbrecht. "Computational Swarm Intelligence", in Computational Intelligence : an Introduction Second edition, John Wiley & Sons, Ltd, 2007.
- [6] A. Raj. "Ovarian follicles detection for polycystic ovary syndrome using Fuzzy C-Means Clustering," International Journal of Computer Trends and Technology (IJCTT), vol 4, issue 7, July 2013.
- [7] C. M. Bhisop. "Linear Model for Classification", in Pattern Recognition and Machine Learning, Springer, 2006.
- [8] D. Dewailly, Y. Robbert, I. Helin, Y. Ardaens, P. Thomas-Desrousseaux, L. Lemaitre, and P. Fossati. "Ovarian Stromal Hypertrophy in hyperandrogenic women". Clin. Endocrinol, 41, 557-562, 1994.
- [9] H. Cheng, X. Jaing, Y. Sun and J. Wang. "Color Image Segmentation: Advances & Prospects," Pattern Recognition, vol.34, pp. 2259-2281, 2001.
- [10] I. F. Stein, M. L. Leventhal. "Amenorrhoea associated with bilateral polycystic ovaries." Am J Obstet Gynecol 1935;29:181-191.
- [11] J. Adams, D.W. Polson, N. Abdulwahid, D.V Morris, S. Frank, H.D. Mason, M. Tucker, J. Price, H.S. Jacobs. "Multifollicular ovaries : clinical and endocrine features and response to pulsatile gonadotropin releasing hormone". Lancet, ii, 1375-1379, 1985.

- [12] J. Kennedy and R. C. Eberhart. "Particle swarm optimization," Proc. IEEE International Conference on Neural Networks, IV, 1942-1948, Piscataway, NJ: IEEE Service Center, 1995. 255-262
- [13] J. Han and M. Kamber. "Classification and Prediction", in Data Mining: Concepts and Techniques Second Edition, Morgan Kaufmann Publisher, Elsevier, 2006.
- [14] L. Lucchese and S. Mitra. "Color Image Segmentation: A State-of-the-Art Survey," Proceedings of the Indian National Science Academy (INSA-A), New Delhi, India, vol. 67, no. 2, pp. 207-221, 2001.
- [15] M. T. Wong, X. J. He, W. C. Yeh. "Image clustering using Particle Swarm Optimization," IEEE, 978-1-4244-7835-4/11, 2011.
- [16] M. J. Lawrence, R. A. Pierson, M. G. Eramian, E. Neufeld. "Computer assisted detection of polycystic ovary morphology in ultrasound images," Fourth Canadian Conference on Computer and Robot Vision (CRV), IEEE, 2007.
- [17] M. G. H. Omran. "Particle swarm optimization methods for pattern recognition and image processing," Dissertation Doctor in Faculty of Engineering, Built Environment and Information Technology, University of Pretoria, November 2004.
- [18] P. Mehrotra, C. Chakraborty, B. Ghoshdastidar, S. Ghoshdastidar, K. Ghoshdastidar. "Automated ovarian follicle recognition for polycystic ovary syndrome," International Conference on Image Information Processing (ICIIP), 2011.
- [19] P. S. Hiremath and J. R. Tegnoor. "Automatic detection of follicles in ultrasound images of ovaries using edge based method," IJCA special issue on "Recent Trends in Image Processing and Pattern Recognition" RTIPPR, 2010.
- [20] R. Saranya and S. U. Maheswari. "A literature survey on computer assisted detection of follicles in ultrasound images of ovary," in International Journal of Computer Applications, vol.48, no. 12, June 2012.
- [21] S. Rihana, H. Moussallem, C. Skaf, C. Yaacoub. "Automated algorithm for ovarian cysts detection in ultrasonogram," 2<sup>nd</sup> International Conference on Advances in Biomedical Engineering, 2013.
- [22] S. Frank. "Polycystic ovary syndrome." N Engl J Med 1995;333(13): 853– 861.
- [23] S. Jonard, Y. Robert, C. Cortet-Rudelli, C. Decanter, D. Dewailly, "Ultrasound examination of polycystic ovaries: is it worth counting the follicle?", Hum. Reprod, 18, 598-603, 2003.

- [24] V. D. Bergh, E. Peer, A. Engelbrecht. "Using Neighborhoods with the Guaranteed Convergence PSO". In Swarm Intelligence Symposium, Piscataway, New Jersey, USA, pp. 235-242, IEEE Service Center, 2003.
- [25] Y. Huang, T. Kechadi, "An effective hybrid learning system for telecommunication churn prediction", Expert System with Applications 40 (2013) 5635-5647, Elsevier, 2013.
- [26] Z. Wang, A. C. Bovik, H. R. Sheikh, E. P. Simoncelli. "Image quality assessment : from error visibility to structural similarity," IEEE Transaction on Image Processing, vol.13, no.4, April 2004.
- [27] <http://www.pcosfoundation.org/what-is-pcos>
- [28] <http://www.itl.nist.gov/div898/handbook/eda/section3/eda353.htm>
- [29] <http://www.mathworks.com/help/images/ref/regionprops.html>
- [30] <http://www.mathworks.com/help/nnet/ref/trainlm.html>
- [31] A.Jain, M. Murty, P. Flynn. Data Clustering : A Review. ACM Computing Surveys, vol 31 , no.31, pp.264-323, 1999.