

## Accepted Manuscript

Estimating the Refractive Index of Oxygenated and Deoxygenated Hemoglobin using Genetic Algorithm - Support Vector Machine Approach

Ibrahim Olanrewaju Alade , Aliyu Bagudu , Tajudeen A. Oyehan ,  
Mohd Amiruddin Abd Rahman , Tawfik A. Saleh ,  
Sunday Olusanya Olatunji

PII: S0169-2607(18)30187-1  
DOI: [10.1016/j.cmpb.2018.05.029](https://doi.org/10.1016/j.cmpb.2018.05.029)  
Reference: COMM 4726

To appear in: *Computer Methods and Programs in Biomedicine*

Received date: 7 February 2018  
Revised date: 30 April 2018  
Accepted date: 14 May 2018

Please cite this article as: Ibrahim Olanrewaju Alade , Aliyu Bagudu , Tajudeen A. Oyehan , Mohd Amiruddin Abd Rahman , Tawfik A. Saleh , Sunday Olusanya Olatunji , Estimating the Refractive Index of Oxygenated and Deoxygenated Hemoglobin using Genetic Algorithm - Support Vector Machine Approach , *Computer Methods and Programs in Biomedicine* (2018), doi: [10.1016/j.cmpb.2018.05.029](https://doi.org/10.1016/j.cmpb.2018.05.029)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



**Highlights**

- GA-SVR models for estimation of refractive index of oxygenated and deoxygenated hemoglobin is presented
- The proposed models are characterized by over 99.8 % correlation coefficients
- The GA-SVR models exhibit a high degree of prediction accuracies.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/6890734>

Download Persian Version:

<https://daneshyari.com/article/6890734>

[Daneshyari.com](https://daneshyari.com)