

Assist. Prof. Dr. Nursakinah Suardi

Medical Physics

Head of Medical Physics Department

**Medical Physics Department, School of Physics,
University Sains Malaysia, Malaysia**



[Google Scholar](#)

[ORCID](#)

[Scopus](#)

[Publons](#)

Publications	Year
Оценка алюмината строция как потенциального источника света для фототерапии по его фосфоресцентному действию на кровь H Choong, N Suardi, N Ahmed Biomedical Photonics 9 (3), 21-29	2020
Therapeutic exposure of diabetic blood using 532 nm-wavelength low level laser through electrical impedance spectroscopy (EIS). N Suardi, SM Adelusi, D Terver Science Proceedings Series 2 (1), 98-104	2020
A Recent Short Review in Non-Invasive Magnetic Resonance Imaging on Assessment of HCC Stages: MRI Findings and Pathological Diagnosis MS Ahmad, N Suardi, A Shukri, NNAN Ab Razak, AA Oglat, H Mohammad Journal of Gastroenterology and Hepatology Research 9 (2), 3113-3123	2020
Dielectric spectroscopy of in-vitro human blood of diabetic and non-diabetic patients through low level laser therapy SJ Gemanam, N Suardi, IS Mustafa, MZ Mat Jafri Journal of Physics: Conference Series 1497, 012016	2020

Publications	Year
<p>Evaluation of the proper level of specific absorption rate of human blood for 532 nm laser in blood low-level laser therapy</p> <p>SJ Gemanam, N Suardi, S Mokmeli, IS Mustafa</p> <p>Laser Physics 30 (3), 035601</p>	2020
<p>In vitro toxicity of low-level green laser irradiation effects on human breast cancer cell lines</p> <p>HAH Habit, N Suardi, S Mahmud, RBSMN Mydin, SKM Bakhori</p> <p>NISCAIR-CSIR, India</p>	2020
<p>Dynamic Hepatocellular Carcinoma Model Within a Liver Phantom for Multimodality Imaging</p> <p>MS Ahmad, N Suardi, A Shukri, NNAN Ab Razak, AA Oglat, O Makhamrah, ...</p> <p>European Journal of Radiology Open 7, 100257</p>	2020
<p>Chemical characteristics, motivation and strategies in choice of materials used as liver phantom: A literature review</p> <p>MS Ahmad, N Suardi, A Shukri, H Mohammad, AA Oglat, A Alarab, ...</p> <p>Journal of Medical Ultrasound 28 (1), 7</p>	2020
<p>Gastroenterology and Hepatology Research</p> <p>MS Ahmad, N Suardi, AS Mustapa, H Mohammad, AA Oglat, ...</p> <p>Journal of GHR 8 (2), 2829-2840</p>	2019
<p>Current Status Regarding Tumour Progression, Surveillance, Diagnosis, Staging, and Treatment Of HCC: A Literature Review</p> <p>MS Ahmad, N Suardi, A Shukri, H Mohammad, AA Oglat, BM Abunahel, ...</p> <p>Journal of Gastroenterology and Hepatology Research 8 (2), 2841-2852</p>	2019
<p>Biostimulation study of ATP content on anaemic human blood cell induced by 589 nm low level laser</p> <p>N Fauzi, N Suardi, MZ Mustafa, AA Rahman</p>	2018

Publications**Year**

AIP Conference Proceedings 2016 (1), 020042

Acoustical and Physical Characteristic of a New Blood Mimicking Fluid Phantom

AA Oglat, MZ Matjafri, N Suardi, MA Abdelrahman, MA Oqlat, AA Oqlat, ...

2018

Journal of Physics: Conference Series 1083 (1), 012010

Measuring The Acoustical Properties of Fluids and Solid Materials Via Dealing With A-SCAN (GAMPT) Ultrasonic

AA Oglat, MZ Matjafri, N Suardi, MA Oqlat, MA Abdelrahman, AA Oqlat, ...

2018

Journal of Physics: Conference Series 1083 (1), 012053

A new scatter particle and mixture fluid for preparing blood mimicking fluid for wall-less flow phantom

AA Oglat, MZ Matjafri, N Suardi, MA Abdelrahman, MA Oqlat, AA Oqlat

2018

Journal of medical ultrasound 26 (3), 134

Chemical items used for preparing tissue-mimicking material of wall-less flow phantom for doppler ultrasound imaging

AA Oglat, MZ Matjafri, N Suardi, MA Oqlat, MA Abdelrahman, AA Oqlat, ...

2018

Journal of medical ultrasound 26 (3), 123

A review of suspension-Scattered particles used in blood-mimicking fluid for doppler ultrasound imaging

AA Oglat, N Suardi, MZ Matjafri, MA Oqlat, MA Abdelrahman, AA Oqlat

2018

Journal of Medical Ultrasound 26 (2), 68

In Vitro UV-Visible Spectroscopy Study of Yellow Laser Irradiation on Human Blood

SSM Fuad, N Suardi, IS Mustafa

2018

Journal of Physics: Conference Series 995 (1), 012053

Study the Characterization of Spectral Absorbance on Irradiated Milk Protein

F Fohely, N Suardi

2018

Publications	Year
Journal of Physics: Conference Series 995 (1), 012056	
Characterization and Construction of a Robust and Elastic Wall-Less Flow Phantom for High Pressure Flow Rate Using Doppler Ultrasound Applications	
AO Ammar, MZ Matjafri, N Suardi, MA Oqlat, AA Oqlat, MA Abdelrahman, ...	2018
Natural and Engineering Sciences 3 (3), 359-377	
A review of medical doppler ultrasonography of blood flow in general and especially in common carotid artery	
AA Oglat, MZ Matjafri, N Suardi, MA Oqlat, MA Abdelrahman, AA Oqlat	2018
Journal of Medical Ultrasound 26 (1), 3	
Effects of low-level laser irradiation on human blood lymphocytes in vitro	
MS Al Musawi, MS Jaafar, B Al-Gailani, NM Ahmed, FM Suhaimi, ...	2017
Lasers in medical science 32 (2), 405-411	
A new blood mimicking fluid using propylene glycol and their properties for a flow phantom test of medical doppler ultrasound	
AA Oglat, M Matjafri, N Suardi, MA Oqlat, AA Oqlat, MA Abdelrahman	2017
International Journal of Chemistry, Pharmacy & Technology 2 (5)	
Effect of visible laser light on ATP level of anaemic red blood cell	
N Suardi, BK Sodipo, MZ Mustafa, Z Ali	2016
Journal of Photochemistry and Photobiology B: Biology 162, 703-706	
<i>In Vitro</i> Mean Red Blood Cell Volume Change Induced by Diode Pump Solid State Low-Level Laser of 405 nm	
MSA Musawi, MS Jafar, BT Al-Gailani, NM Ahmed, FM Suhaimi, N Suardi	2016
Photomedicine and laser surgery 34 (5), 211-214	
Effect of 460 and 532 nm Laser Light on the Erythrocyte Deformability of Anaemic Blood Samples	2016

Publications**Year**

N Suardi, MS Jaafar, MZ Mustafa, AR Hussein, Z Ali

Journal of Physical Science 27 (3), 85

Study On The Effects Of Blue And Green Laser Beams On Anaemic Blood Parameters

N Suardi

2015

Universiti Sains Malaysia

Effects of DPSS green laser irradiation on anaemic red blood cells

N Suardi, MS Jaafar, AR Hussein, Z Ali

2014

2014 IEEE 5th International Conference on Photonics (ICP), 81-83

Theoretical study of blood flow and perfusion parameters in forehead skin vascular using data of laser doppler imaging applications on matlab program

AA Oglat, MZ Matjafri, N Suardi, MA Oqlat, MA Abdelrahman, AA Oqlat

Evaluation of positioning errors for in routine chest x-ray at beit jala governmental hospital

MS Ahmad, M Rumman, RA Malash, AA Oglat, N Suardi