

# Curriculum vitae



## General Information:

Prof. Saeed N. Turki Al Rashid, PhD, Theoretical physics.

Professor in Theoretical physics.

Professor of Theoretical Physics , Physics Department, College of Education for Pure Sciences, University of Anbar- Iraq.

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<https://scholar.google.com/citations?user=QRpvsVsAAAAJ&hl=en>

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## Qualifications:

PhD, College of Science, AL-Mustansiriyah University (Iraq)/Theoretical Physics.

MSc, College of Science, University of Anbar (Iraq)/ Materials Science (Ferrite).

BSc, University of Anbar (Iraq)/ Physics.

## Research interests:

Theoretical Physics, Quantum Mechanics, Scale relativity Theory, Material Science (Design Coatings) and Nano-Technology (Design Nano-Coatings).

## Publications:

No.	Paper Name	Journal Title	Vol.	No.	Year
1	Effect of resentence $Mn_xZn_{x-1}Fe_2O_3$ ferrite on absorption	Journal of science and engineering			2004
2	Preparation and study optical properties of CdS thin film	Journal of science and engineering			2005
3	The effect of Mn and Ti Substituted Barium Ferrite on Electromagnetic Microwave Absorber in the X-Band Range.	J. of Al-Anbar university for pure science	1	2	2007
4	Study Brownian Motion and Showing The Trajectories of Particles Using Fractal Geometry	J. of Al-Anbar university for pure science	1	2	2007
5	Numerical Simulations of	J. of Al-Anbar university for pure	1	3	2008

	<b>Particle in a Double Oscillators</b>	science			
<b>6</b>	<b>The effect of Cd substitution in PbS thin film on the optical properties</b>	<b>J. of Al-Anbar university for pure science</b>	<b>3</b>	<b>3</b>	<b>2009</b>
<b>7</b>	<b>Application of Scale Relativity (ScR) Theory to the Problem of a Particle in a Finite One-Dimensional Square Well (FODSW) Potential</b>	<b>Journal of Quantum Information Science</b>	<b>1</b>	<b>1</b>	<b>2011</b>
<b>8</b>	<b>Designing High Reflectivity Omnidirectional Coating of Mirrors for Near Infrared 9-Spectrum (700-2500 nm)</b>	<b>Applied Physics Research</b>	<b>5</b>	<b>1</b>	<b>2013</b>
<b>9</b>	<b>Design of an Antireflection Coating for Mid- wave Infrared Regions in the Range (3000-5000) nm</b>	<b>International Journal of Application or Innovation in Engineering &amp; Management (IJAEM)</b>	<b>2</b>	<b>11</b>	<b>2013</b>
<b>10</b>	<b>STUDY THE REFLECTANCE OF DIELECTRIC COATING FOR THE VISIBLESPECTRUM</b>	<b>International Journal of Emerging Trends &amp; Technology in Computer Science (IJETTCS)</b>	<b>3</b>	<b>6</b>	<b>2014</b>
<b>11</b>	<b>Design and Improve Coatings for some Antennas</b>	<b>IOSR Journal of Engineering (IOSRJEN)</b>	<b>4</b>	<b>8</b>	<b>2014</b>
<b>12</b>	<b>Design and improvement high pass filters for microwave region</b>	<b>J. of University of Anbar for pure science</b>	<b>9</b>	<b>2</b>	<b>2015</b>
<b>13</b>	<b>Optimization Design of Band Pass Filter in The Infrared Region</b>	<b>International Journal of Emerging Trends &amp; Technology in Computer Science (IJETTCS)</b>	<b>4</b>	<b>2</b>	<b>2015</b>
<b>14</b>	<b>Application of Scale Relativity to the Problem of a Particle in a Simple Harmonic Oscillator Potential</b>	<b>Journal of Quantum Information Science</b>	<b>7</b>	<b>3</b>	<b>2017</b>
<b>15</b>	<b>NANO COATING DESIGNS OF RUBY LASER RESONATORS</b>	<b>Digest Journal of Nanomaterials and Biostructures</b>	<b>12</b>	<b>3</b>	<b>2017</b>
<b>16</b>	<b>Design and Optimization of Silicon Quantum Dot Antireflection Coating Performance for UV Spectrum</b>	<b>Optik - International Journal for Light and Electron Optics</b>	<b>152</b>		<b>2018</b>

## **Academic Experience**

Teaching the following courses:

### **Undergraduate**

- Quantum Mechanics.
- Nuclear Physics.
  
- Material Science.
- Electromagnetism.
- Sound and wave motion.

### **Postgraduate**

- Advanced Quantum Mechanics.
- Advanced Material Science.
- Advanced Classical Mechanics.
- Advanced Statistical Mechanics.
- Advanced Radiation Physics.

Supervising Undergraduate and postgraduate students.

External and internal examiner for postgraduate students.

## **Employments:**

- Assistant Research – University of Anbar- Iraq, 1995-1998
- Assistant Lecturer – University of Anbar- Iraq, 2001-2005.
- Researchers (PhD researcher) at AL-Mustansiriyah University (Iraq), 2003-2006.
- Head of Physics Department, University of Anbar, 2008-2011.
- Manger of Scientific Consultant Bureau, University of Anbar, 2011 to present.