

## CURRICULUM VITAE

### PERSONAL DATA

<b>Name</b>	<i>Dr. Khadijah Saad Obaid Namshah</i>
<b>Nationality</b>	<i>Saudi</i>
<b>Position</b>	<i>Associate Professor, Department of chemistry</i>
<b>E-Mail</b>	<a href="mailto:ksnamshah@imamu.edu.sa">ksnamshah@imamu.edu.sa</a>
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### EDUCATION

<b>Year</b>	<b>Academic Degree</b>	<b>Institution</b>
<i>19/01/1438 H.</i>	<i>PhD Degree in Chemistry, Inorganic Chemistry</i>	<i>King Abdulaziz University,</i>
<i>09/08/1429 H.</i>	<i>Master's Degree in Chemistry, Inorganic Chemistry</i>	<i>King Khalid University</i>
<i>09/03/1421 H .</i>	<i>BSC in Chemistry with Excellent Grade (with Honor) Ranked as first of Class in Education College</i>	<i>College of Educatio and Scince,</i>

### WORK EXPERIENCE

<b>Period</b>	<b>Position</b>	<b>Address</b>
<i>from 20/07/1445 H until now</i>	<i>Associate professor</i>	<i>Imam Mohammad Ibn Saud Islamic University</i>
<i>from 4/06/1442 H until 25/01/1445H</i>	<i>Seconded Assistant professor</i>	<i>Imam Mohammad Ibn Saud Islamic University</i>
<i>from 21/01/1443 H until 19/07/1445 H</i>	<i>Associate professor</i>	<i>King Khalid University</i>
<i>from 06/08/1438 H until 21/01/1443 H.</i>	<i>Assistant professor</i>	<i>King Khalid University</i>
<i>from 21/06/1432 H until 06/08/1438 H.</i>	<i>Lecturer</i>	<i>King Khalid University</i>
<i>from 06/08/1425 H until 21/06/1432 H.</i>	<i>Teaching Assistant</i>	<i>College of Scientific Education (for Girls) in Abha</i>

### RESEARCH INTERESTS

*Mainly focused on the design of "Nano-Size controlled Eco-Materials" including photocatalysts. Photo-functional materials. Environmental catalysts. Nano-catalyst in the search for the development of clean energy and establishment of cost-saving environmental purification processes. The main targets are Photocatalyst, photo-functional materials, nano-catalysts, environmental catalysts, visible or solar light-sensitive photocatalysts, hydrogen production catalyst, zeolites, mesoporous materials, semiconductors, and green chemistry*

### PUBLICATIONS

- K.S. Namshah and RM.Mohamed, *Nd doped  $bi_2O_3$  nanocomposites simple synthesis and improved photocatalytic activity for hydrogen production under visible light*, *applied nanoscience*, 8(2018) 1233-1239.
- K.S.Namshah ,E.S.Baeissa and RM.Mohamed, *Effect of Weight Percent Tetrapropoyl Ammonium Hydroxide Solution on Chemical and Photo Catalytic Properties of Titanium Dioxide Nanoparticles*, *Frontiers in Nanoscience and Nanotechnology*, 7(2016) 169-172.
- K.S.Namshah, A.A.Saleh, *Synthesis Spectroscopic and Biological Characterization of Cr (I 1 1) , Mn(I 1 ), Ni(I 1 ), and Cu(I 1 ) Complexes with New Macrocyclic Tetradentate Schiff Base Ligands [NJ] Published in the Egyptian Chemical Journal in 2010.*
- Khadijah S. Al-Namshah, *A novel strategy for tailoring Ag-ZnO nanowires for photocatalytic mercury removal, Desalination and Water Treatment*, 8, 132(2018) 224-229.
- K.S. Namshah and RM.Mohamed, *Silver-Doped Antimony Trioxide Nanocomposites for the Photocatalytic Reduction of Nitrobenzene*, *Nanoscience and Nanotechnology*, (2019) 1-8 Inpress.
- Khadijah S. Al-Namshah, *Decoration of zinc oxide nanospheres by platinum nanoparticles driven visible light for hydrogen evolution*, *applied nanoscience*, 9(2019) 461-467.
- Khadijah S. Namshah. Reda M. Mohamed,  *$WO_3-TiO_2$  nanocomposites for paracetamol degradation under visible light*, *Applied Nanoscience*, 1 1 (2018) 2021-2030.
- Khadijah S. Namshah. Reda M. Mohamed,  *$Co_3O_4-ZrO_2$  nanocomposites: simple preparation and enhanced photocatalytic performance for cyanide degradation under visible light*, 10(2019)1-9.
- S Rex Rosario, I Kulandaisamy, AMS Arulanantham, KDeva Arun kumar, S Valanarasu, Mohamed S Hamdy, K.S.Al-Namshah and AbdullahMAlhanash, *Analysis of Cu doping concentration on PbS thin films for the fabrication of solar cell using feasible nebulizer spray pyrolysis*, 6(2019)056201.
- Abdullah M. Alhanash, Khadija S. Al-Namshah and Mohamed S Hamdy, *The effect different physicochemical properties of titania on the photocatalytic decolorization of methyl orange*, 6(2019) 075519.
- Abdullah M. Alhanasha, Khadija S. Al-Namshaha, Sahar K. Mohamed, Mohamed S. Hamdy, *One-pot synthesis of the visible light sensitive (-doped ZnO@g- C<sub>3</sub>N<sub>4</sub> for high photocatalytic activity through Z-scheme mechanism*, Accepted: 186(2019)34-40.
- A. Rohini Devi, A. Jegatha Christy, K. Deva Arun Kumar, S. Valanarasu, Mohamed S. Hamdy, K. S. Al-Namshah, Abdullah M. Alhanash, Dhanasekaran Vikraman, Hyun-Seok Kim, *Physical properties evaluation of nebulized spray pyrolysis prepared Nd doped ZnO thin films for opto-electronic applications*, 7March (2019) 1 - 11 .
- K.S. Al-Namshaha , R.M. Mohamed, *Decoration of MoO<sub>3</sub> nanoparticles by MWCNTs driven visible light for the reduction of Cr(VI)*, *Ceramics International*, Volume 46, Issue 5, 1 April 2020, Pages 6914-6919.
- Kamlesh V. Chandekar, Mohd Shkir, Badria M. Al-Shehri, S. AlFaify, Rajendra G. Halor, Aslam Khan, Khadijah S. Al-Namshah, and Mohamed S. Hamdy. "Visible light sensitive Cu doped ZnO: facile synthesis, characterization and high photocatalytic response." *Materials Characterization* 165 (2020): 110387.
- Kamlesh V. Chandekar, Mohd Shkir, S. AlFaify, Badria M. Al-Shehri, Khadijah S. Al-Namshah, and Mohamed S. Hamdy. "A noticeable consistent improvement in photocatalytic efficiency of hazardous textile dye through facile flash combustion synthesized Li-doped ZnO nanoparticles." *Journal of Materials Science: Materials in Electronics* 32, no. 3 (2021): 3437-3450.
- Mohamed S. Hamdy, Kamlesh V. Chandekar, Mohd Shkir, S. AlFaify, Essam H. Ibrahim, Zubair Ahmad, Mona Kilany, Badria M. Al-Shehri, and Khadijah S. Al-Namshah. "Novel Mg@ ZnO nanoparticles synthesized by facile one-step combustion route for anti-microbial, cytotoxicity and photocatalysis applications." *Journal of Nanostructure in Chemistry* 11, no. 1 (2021): 147-163.

- *Mohamed S. Hamdy, Badria M. Al-Shehri, Khadijah S. Al-Namshah, and Mohd Shkir. "Synthesis, characterization, and photoluminescence property of Nd-TUD-1." Luminescence 36, no. 1 (2021): 192-199.*
- *Khadijah S. Al-Namshah, Sivalingam Muthu Mariappan, Mohd Shkir, and Mohamed S. Hamdy. "Photocatalytic degradation mechanism of Ce-loaded ZnO catalysts toward methyl green dye pollutant." Applied Physics A 127, no. 6 (2021): 1-10.*
- *Khadijah S. Al-Namshah, Mohd Shkir, and Mohamed S. Hamdy. "Enhanced Photocatalytic Performance of One-Pot Flash Combustion Synthesized ZnO Nanoparticles: An Effect of Bi Doping." Journal of Inorganic and Organometallic Polymers and Materials 31, no. 11 (2021): 4338-4348.*
- *Baskaran Palanivel, Mathiazhagan Lallimathi, B. Arjunkumar, Mohd Shkir, T. Alshahrani, Khadijah S. Al-Namshah, Mohamed S. Hamdy, S. Shanavas, Munusamy Venkatachalam, and G. Ramalingam. "rGO supported g-C<sub>3</sub>N<sub>4</sub>/CoFe<sub>2</sub>O<sub>4</sub> heterojunction: Visible-light-active photocatalyst for effective utilization of H<sub>2</sub>O<sub>2</sub> to organic pollutant degradation and OH radicals production." Journal of Environmental Chemical Engineering 9, no. 1 (2021): 104698.*
- *Khadijah S. Al-Namshah, Mohd Shkir, Fatma A. Ibrahim, and Mohamed S. Hamdy. "Auto combustion synthesis and characterization of Co doped ZnO nanoparticles with boosted photocatalytic performance." Physica B: Condensed Matter 625 (2022): 413459.*
- *Al-Namshah, Khadijah S. "The utilization of ball-mill in the fabrication of metallic titanium incorporated carbon nitride as an active visible light sensitive photocatalyst." Inorganic Chemistry Communications (2022): 109194.*
- *K.S. Al-Namshah, " Synthesis of MoS<sub>2</sub>-loaded Co<sub>3</sub>O<sub>4</sub> nanocrystals for endorsed photocatalytic reduction of mercury (II) ions under visible light" Optical Materials 142 (2023) : 114114.*