

## Bio-Data



**Name:** Dr. Suresh Kumar Dhungel

**Date of Birth:** February 2, 1966

**Position:** Senior Scientist

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**Specialization:** (*any five words*): Silicon Photovoltaics and Dye Sensitized Solar Cells

### Academic Qualification:

1. PhD in Engineering ( Electronics and Electrical Major)
2. M.Sc. in Physics ( Solid State Physics Major)
3. B.Sc. ( Physics, Chemistry and Maths Major)

### Current Research Work:

1. Solar Radiation Monitoring and Applications of Solar Energy Technologies
2. Dye Sensitized Solar Cells
3. Energy Conservation

### Publication: (*best 3*)

1. Optimization of paste formulation for TiO<sub>2</sub> Nanoparticles with Wide Range of Size Distribution for its Application in Dye Sensitized Solar Cells, Renewable Energy 35(2010) 2776-2780.
2. Study of Electrical Properties of Oxidized Porous Silicon for Back Surface Passivation of Silicon Solar Cells, Renewable Energy, Volume 33, Issue 2, February 2008, Pages 282-285.
3. Study of Process Induced Variation in the Minority Carrier Lifetime of Silicon During Solar Cells Fabrication, Materials Science and Engineering B, Volume 134, Issues 2-3, 15 October 2006, Pages 287-290.

I have a total of 45 research articles published in my credit in peer reviewed reputed international journals, a few of which are listed below and details of which can be viewed at

<http://scholar.google.com/citations?user=6Bca7nsAAAAJ&hl=en>

### Projects/Work Experience:

1. Senior Researcher at Advanced Nano Products Co. Ltd. , Republic of Korea
2. Team Member of 3 kW residential Solar Photovoltaics System, A national Project of Republic of Korea
3. Director/ Head of Institution, Rosebud School,  
Sr. Physics Teacher and Head of Gaurishankar House, Budhanilkantha School

### Awards:

1. **Nepal Bidhya Bhushan” Class-A** from the President of Nepal, Dr. Ram Baran Yadav
2. **Mohandwoj Basnet Academy Award** from Prime Minister of Nepal, Mr. Girija Prasad. Koirala
3. Award from the **President of Sungkyunkwan University** for academic excellence and exemplary conduct on the Convocation ceremony of Sungkyunkwan University, Republic of Korea