LIST OF PATENTS AND PUBLICATIONS

The thesis is based on the following patents and publications,

**List of patents**


**Publications**


In the appendix A, copies of these publications are included.
Conference presentations

1. “Nanostructured Cu doped ZnO Thin Film for Hexanaldehyde Vapour Detection”, in International Conference on Nanoscience and Technology (ICONSAT 2012) on 20th – 23rd January 2012 organized by International Advanced Research Centre for Power Metallurgy and New Materials (ARCI), Hyderabad, India.


4. “ZnO Nanoplatelets as Room Temperature Acetaldehyde Sensor” in Nano India 2015 on 29th & 30th January 2015 organized by SASTRA University, Tamil Nadu, India. (Best Poster Award)

Awards

1. Awarded 1000 USD from Intellectual Ventures under Invention Development Fund (IDF) for the invention of “Low Concentration Ammonia Vapor Sensor”

2. “Best Poster Award” for poster presentation in Nano India 2015 held at SASTRA University, Thanjavur during 29 and 30th January 2015

3. “Best Poster Award” for poster presentation in International Conference on Thin Films & Applications (ICTFA 2013) held at SASTRA University, Thanjavur during 11th to 13th September 2013