

## **Dr. Payal Rani**

### **Assistant Professor**

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Department of Geophysics,  
Institute of Sciences, Banaras Hindu University,  
Varanasi-221005, India



### **Education**

Ph.D. in Applied Geophysics from University of Naples, Federico II, Italy in 2017.

M. Tech. in Applied Geophysics from Kurukshetra University, Kurukshetra in 2013.

B.Sc. in Physics, Chemistry, Mathematics from Mahrishi Dayanand University, Rohtak in 2010.

### **Positions**

1. Assistant Professor in the Department of Geophysics, BHU from 27/12/2019 to present
2. Project Scientist at CSIR-National Geophysical Research Institute, Hyderabad, from 08/02/2018 to 26/12/2019
3. Project Assistant at CSIR-National Geophysical Research Institute, Hyderabad, from 16/09/2013 to 10/05/2014.

### **Research Interest**

Hydrogeophysics, Groundwater Contamination studies, Geophysical Inversion, Groundwater modeling, Artificial Neural Networks

### **Teaching**

Geo-exploration Methods,  
Mathematical methods in Geophysics,  
Well Logging,  
Goelectrical Method,  
Geohydrology

### **Academic Awards**

- Winner of Italian SEG/EAGE Challenge Bowl, 2014 held in 33<sup>rd</sup> conference of GNGTS, Bologna and participant in SEG Challenge Bowl final, 2015, held in New Orleans, USA.
- Full fellowship to carry out doctorate research at University of Naples, Federico II, Italy
- Received “Prof. Jagdeo Singh & Dr. S. Balakrishna Memorial Grant Award 2012” for 2<sup>nd</sup> rank in University during master studies.
- Received ONGC-IGU best poster award during 50<sup>th</sup> and 48<sup>th</sup> convention of IGU.

## **Publications**

Research Paper: 06

Conference paper: 11

Project: 01