

## CURRICULUM VITAE

**Name** : **Dr. Anil Kumar Yadav**

**Designation** : Assistant Professor

Department of Physics, Babasaheb Bhimrao Ambedkar  
University, Vidya Vihar, Raebareli Road, Lucknow  
226025

**Teaching experience** : more than 8 years

**Research experience** : 10 years

**email id:** : [aksdap11@gmail.com](mailto:aksdap11@gmail.com)

**Specialization Area/Research Interest:** Green synthesis of nanomaterials, Ultrasonics, Nondestructive Characterization, Theoretical Modeling of Materials and Biological Systems

### **Professional Recognition/ Award/ Prize/ Certificate/Fellowship received**

S.No.	Name of Award	Awarding Agency	Year
1.	Dr. M. Pancholi Award	Ultrasonics Society of India	2008

### **Research supervision:**

<b>Ph.D.</b>	03 (awarded)
<b>M. Phil.</b>	04 (awarded)
<b>M. Tech.</b>	07 (awarded)

**List of Publications:** More than 18 research papers in peer reviewed international journals.

### **Five Best Research Papers:**

1. A. Kumar, K.B. Thapa, **Anil K Yadav**, Enhancement of absorption property of one dimensional ternary periodic structure containing plasma based hyperbolic materials for the application of microwave devices, Journal of Magnetism and Magnetic Materials, 489 (2019) 165371 (**IF : 3.046**)
2. S. P. Goutam, G.Saxsna, V.Singh, **Anil Kumar Yadav\***, R. N.Bharagava, K.B Thapa, Green Synthesis of TiO<sub>2</sub> nanoparticles using leaf extract of Jatropha carcus L. for photocatalytic degradation of tannary wastewater, Chemical Engineering Journal, 336(2018),386-396 (**IF:8.75**)
3. R.K. Shastri, **Anil Kumar Yadav\***, Devesh Kumar, A comparative ab-initio study on structural evolution, stability and electronic properties of undoped and Al-doped GaxNy(x+y=4-25) clusters, European Physical Journal Plus, 132(2017)1-18 (**IF : 2.4**)

4. D Singh, DK Pandey, PK Yadawa, **AK Yadav**, Attenuation of ultrasonic waves in V, Nb and Ta at low temperatures, Cryogenics,49(2009) 12-16 (**IF:1.34**)
5. **AK Yadav**, RR Yadav, DK Pandey, D Singh, Ultrasonic study of fission products precipitated in the nuclear fuel,Materials Letters,62(2008)3258-3261 (**IF: 3.019**)

**Books/Reports/Chapters/General articles etc**

S.No	Title	Author's Name	Publisher	Year of Publication
1.	Application of supercritical carbon dioxide in the leather industry	Surya Pratap Goutam, Asheesh Kumar, Devesh Kumar, Rajkamal Shastri, <b>Anil Kumar Yadav</b>	Materials Research Forum, USA	2019
2.	Green Synthesis of Nanoparticles and their Applications in Water and Wastewater Treatment	Surya Pratap Goutam, Gaurav Saxena, Diptarka Roy, <b>Anil Kumar Yadav</b> , Ram Naresh Bharagava	Springer Nature, Singapore	2019