



**Name:** PRAVEEN K H  
**Designation:** Assistant Professor  
**Department:** Physics  
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**Date of Entry into Service:** 18-1-2012  
**Qualifications:** MSc , MPhil, NET  
**Subjects Handled:** Quantum Mechanics, Classical Mechanics, Mathematical Physics, Nuclear And Particle Physics, Solid State Physics etc.  
**Field of Research:** Nano Science and Nano Technology  
-Green Synthesis  
**Experience:** Nine Years of Teaching Experience

**Papers Published:**

1. Synthesis and Characterization of Silver Nanoparticles using Bread Mold Extract  
Anandhu S. Satheesh<sup>1</sup>, Akhila Prabhakaran<sup>2</sup>, Deepak T<sup>3</sup>, Praveen K.H<sup>4</sup>, Arun S. Prasad<sup>5</sup>

**International Journal of Advance Research in Science and Engineering**  
**Volume No 06, Special Issue No. 03, September 2017, AFM-2017**  
[www.ijarse.com](http://www.ijarse.com)  
**IJARSE**  
ISSN: 2319-8354

2. Biogenic Synthesis of Iron Oxide Nanoparticles using leaf Extract of *Clitoria Ternatea*  
Cibin Baby <sup>1</sup>, Athira Prasad <sup>2</sup>, Kanchana A.<sup>3</sup>, Rajeswary M.<sup>4</sup>, Sajitha M.<sup>5</sup>, Praveen K.H.<sup>6</sup>, Arun S. Prasad<sup>7</sup>

3. © 2018 JETIR August 2018, Volume 5, Issue 8 [www.jetir.org](http://www.jetir.org) (ISSN-2349-5162)  
Seasonal Variation in the Pre-reversal Enhancement in Vertical Drift at Equatorial F-region --<sup>1</sup>Praveen K.H

4. © 2018 JETIR November 2018, Volume 5, Issue 11 [www.jetir.org](http://www.jetir.org) (ISSN-2349-5162)  
Seasonal variation of Velocity at Pre-reversal Enhancement (Vzp)and reflection height at Equatorial F-region - <sup>1</sup>Praveen K.H

5. JETIR June 2019, Volume 6, Issue 6 [www.jetir.org](http://www.jetir.org) (ISSN-2349-5162)  
Biological Effects of Mobile Phone Radiation – Study with base of different roofing and flooring conditions --- 1Rani K Pillai, 2Praveen K.H

**Papers/Posters Presented:**

1. UGC Sponsored National Seminar on NANO MATERIALS FOR ENERGY APPLICATIONS (NSNME) Organized by Post Graduate Department of Physics, SN College Punalur (7<sup>th</sup> and 8<sup>th</sup> January 2016) "*Analysis of Optical Band Gap for Biosynthesized Semiconductor Metal Oxide Nanoparticles*" - Arun. S Prasad and Praveen .K H
2. iCEE 2k19-International Conference on Energy and Environment, 12-14 December 2019 Organized by TKM College of Arts and Science, Kollam
  - i. *Chrysin mediated synthesis, crystallographic structure and optical emission characteristics of ZnO nanoparticles*
  - ii. *Hesperidin mediated synthesis, structure and optical emission analysis on Nanocrystalline CuO*
 Praveen K. H.<sup>1</sup> and Arun S. Prasad<sup>2\*</sup> Available online at [www.sciencedirect.com](http://www.sciencedirect.com)

*Published in Science Direct - MATERIALS TODAY - Proceedings -*

**Orientation Courses/ Refresher Courses Attended:**

Name of the Course /Summer School	Place	Duration	Sponsoring Agency
Orientation Programme	UGC-HRDC, University of Kerala	10/08/2016 to 06/09/2016	UGC
Refresher Course In Environmental Sciences (Interdisciplinary)	UGC-HRDC, University of Kerala	09/01/2018 to 29/01/2018	UGC

**Short term Courses Attended: Short term FDP -**

1. One Week Online FDP on "Research Ethics & Characterisation Techniques in Materials Science" (9-15 September 2020) MHRD- Govt. of India
2. One Week Online FDP on "Capacity Building in Drafting Proposals for Funded Research" (5-11 October 2020) MHRD- Govt. of India
3. One Week Online FDP on " Quality Science Education in India in the 21<sup>st</sup> Century" (3-9 November 2020) MHRD- Govt. of India
4. Online Short Term Course in "Advanced Group Theory" Conducted by the UGC-Human Resource Development Centre, University of Kerala, sponsored by the University Grants Commission. (from 16.12.2020 to 22.12.2020)

**Seminars/Workshops Attended:**

Attended more than 20 Webinars

**Academic Responsibilities Undertaken:**

1. Faculty Advisor - Third Year Physics U.G Programme
2. *Member & External Examiner*, Board of theory (All Semesters) and practical examinations (S2&S4 Semesters), M.Sc. Physics, University of Kerala

3. *Member & External Examiner*, Board of theory (All UG Semesters) and practical examinations (S4 & S6 Semesters), CBCSS FDP in Physics, University of Kerala
4. Question Paper Setting and Valuation of answer scripts for internal/model examinations

**Duties Performed at College:**

**Coordinator:** - Discipline committee, Grievance Redressal Cell

**Member:-** Anti-ragging Committee, Campus Beautification Committee, Centre for Adult & Continuing Education, Entrepreneurship Development Club, Legal literacy Cell, Science Forum, Website committee, Tutorial Committee