

Teacher's Profile

Name : Prof.(Dr.) Sharad Kumar Vaish

Post : Professor (PHYSICS),
Netaji Subhash Chandra Bose Govt.Girls P.G. college Aliganj
Lucknow

Institution : Netaji Subhash Chandra Bose Govt.Girls P.G. college
Aliganj Lucknow

Earlier Institutions : 1- Pt.LMS Govt. P.G. College Rishikesh, Dehradun
2- Maharana Pratap Govt.P.G. College Hardoi, U.P.

Subject :Physics

Qualifications :M.Sc.,Ph.D., Qualified NET JRF 1996

Date of Appointment : 26 -12-1998 (Selected by U.P. Public service Commission, Allahabad)

Email Id : sharadrjpm1975@gmail.com, sharadvaish@rediffmail.com

Address :8C/436 Vrindavan Yojana Lucknow 226029

Contact number :941295729

Teaching Experience :25 Years

Research Experience :23 years

Approved research supervisor :1- H.N.B. Garhwal Central University Sri Nagar Garhwal Uttarakhand
2- C.S.J.M. University Kanpur

Research supervised :02 students (01-D.Phil. degree awarded by H.N.B. Garhwal Central
University Sri Nagar Garhwal Uttarakhand.
02 –Ph.D. Degree awarded by C.S.J.M. University Kanpur)

Research Project :Continuing minor research project as Principal Investigator on the
Topic “Synthesis, characterisation and study of optical and electrical
properties of nanomaterials” awarded by higher education department
U.P.

Area of Research :Spectroscopy(Dielectric relaxation,Microwave
absorption and NMR techniques), Nano materials and
nano technology

Research Publications :Published and presented more than 50 research papers in various research
journals, international and national seminar/conferences.

Research Paper Presentation Award:
Awarded best Paper presentation Award in the National Seminar
Organised by NSCB Govt. P.G . College Aliganj Lucknow.

Book Editor :Edited Book On “Emerging Trends In Science & Technology in 21st century”

Session chair : 1.Chaired the technical session in International Seminar at MBP Govt. P.G.

College Ashiyana Lucknow and delivered invited talk on the topic “Scientific and Technological Contribution of Indian Diaspora” on 9 Nov.2023.

2. Chaired the technical session and delivered talk as resource person on the topic “NEP 2020, NAAC and Skill Development” in the national seminar at GDC Nainbagh Tehri Garhwal Uttarakhand.

Memberships

**:Life member of Indian Association of Physics Teachers
: Life member of Indian Association of Science.**

Working as Member/ Convener of career counselling committee, NAAC- IQAC, Examination, Computer, admission committee etc . in the college.

Seminar organization

:Organised three national seminars

1.National seminar on the topic “Bioresource management and global sustainability” on 17-18 Dec. 2011 as organizing secretary at Maharana Pratap Govt. P.G. College Hardoi.

2.National seminar on the topic “Emerging Trends In Science & Technology in 21st century” on 25-26 Feb. 2014 as organizing secretary at Maharana Pratap Govt. P.G. College Hardoi.

2.National seminar on the topic “Advancement and Strategies for sustainable development and environmental protection” in 17-18 Jan. 2023 as convener at Netaji Subhash Chandra Bose Govt. P.G. College Aliganj Lucknow .

Workshop organization

:Organised two national workshop on Robotics in association with Robokart.com and IIT Mumbai at Maharana Pratap Govt. P.G. College Hardoi .

Currently running workshop on mechatronics and robotics in association with NAIVOTECH for B.Sc. Students at NSCB Govt. P.G. College Aliganj Lucknow.

Participated in the workshop/hands on training on thought type experiments in NWUPT 2010 at IIT Kanpur underthe mentorship of Padm Shree Prof H C Verma .



(Dr. Sharad Kumar Vaish)

LIST OF PUBLICATIONS: Dr. Sharad Kumar Vaish

1-Correlation of dielectric relaxation and NMR spin lattice relaxation in several ketones

S K Vaish and N K Mehrotra, Indian Journal of pure and applied physics volume 37, October 1999, page 778 - 781

2-Correlation of NMR spin letters and dielectric relaxation times of Methyl Benzene

S K Vaish and N K Mehrotra, Indian Journal of pure and applied physics volume 37, December 1999 page 881-884

3-Structural studies of some polar molecular systems using Microwave Absorption technique and Nuclear Magnetic Resonance

S K Vaish and N K Mehrotra, Asian journal of Physics, volume 9 number 1 (2000) page 79 - 83

4-NMR Spin Lattice Relaxation investigation of some molecular systems and its correlation with dielectric relaxation

S K Vaish, A K Singh, Anupam Singh and N K Mehrotra, Indian Journal of pure and applied physics volume 41 November 2003, page 858 -862

5-Study of NMR Spin Lattice Relaxation of several aldehydes

S K Vaish, Anupam Singh, A K Singh and N K Mehrotra
Indian Journal of pure and applied physics, volume 43 April 2005, page 295 - 300

6-To investigate dielectric relaxation time by absorption of Microwave and NMR spin lattice relaxation time for mixtures of aldehydes and ketones

Omkant and S K Vaish International Journal of scientific research Volume 4 issue 9 September 2015 page number 160 -162 ISSN 22771817-9 impact factor 3.2 416

7-Examination of dielectric relaxation times by Microwave absorption and correlation with NMR spin lattice relaxation times for mixtures of alcohols.

Omkant and S K Vaish, Journal of Pure, Applied and Industrial physics, volume 5(a), Sept.2015 page 265 -273
ISSN 097 65 727

8-Analysis of dielectric relaxation by microwave absorption technique and correlation with NMR Spin lattice relaxation for mixtures of organic solutes

Omkant and S K vaish Journal of Pure, Applied and Industrial Physics volume 5(a),Sept.2015 page number 274 -282 ISSN 09765727

9-Dielectric and spin lattice relaxation investigation of organic materials

Dharmveer Singh, S K Vaish and Om Kant International Journal of Research and Analytical Reviews September 2018 vol 5 issue 3 page 828- 831
EISSN 2348-1269 PISSN 2349-5138

10-Dielectric relaxation studies of binary and tertiary dilute mixtures of Alcohol in Chloroform by Microwave absorption technique

Dharmveer Singh and S K Vaish International Journal of research and analytical reviews February 2019 Volume 6 issue 1 page 1745 - 1749 2348 21 PISSN 2349 5138

11-“Dielectric relaxation study of Polypropylene and Polypropylene nano composite with titanium oxide”. International Journal of Enhanced research in science,technology &Engineering Vol. 11 issue 1 ,Jan.2022 p24-30 ISSN 23197463

A handwritten signature in black ink, appearing to read 'Sharad', with a large, sweeping flourish extending from the end of the name.

(Dr. Sharad Kumar Vaish)

List of Papers presented in different conferences/seminars is given below)

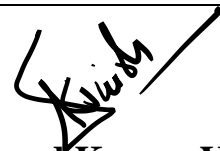
Conferences/Seminars/Workshop attended :

S.N	Date/ Duration	Organising Body	Topic	Attended/paper presented
1.	01-02, March 2006	Govt. P.G.College Rishikesh	National seminar on Academica	Presented two papers 1-“Human Development-Threat to environment” 2-“Higher Education in India- Problems and solutions”
2	23 Nov.2007	Chinmay degree college, Haridwar	National seminar on “New horizons in the protection of environment.”	Presented paper- “Human Influence on Global Climate”
3	08-10, Dec. 2007	Physics Department Lucknow University Lucknow	National seminar on “Nanomaterials and nanotechnology”	Attended
4	14-18, Dec. 2009	IPS Academy Indore	Prof. B.L.Saraf memorial all India lab workshop for P.G. Teachers	Participated
5	21- 23, Dec.2009	Physics Department Lucknow University Lucknow	2 nd National seminar on “Nanomaterials and nanotechnology”	Attended
6	24-25, Feb. 2010	Physics Department Allahabad University Allahabad	National seminar on “Physics education research and development of e- learning modules.”	Presented two papers1-“Revitalizing the methodology of teaching Geometrical optics” 2-“Assesment of Physics teaching methods :from passive to active learning”
7	20-25, May 2010	I.I.T. Kanpur	National workshop on utshahi physics teachers	Attended
8	11-13, Nov. 2010	Govt. P.G .College Rishikesh	National symposium on Acoustics	Coordinated
9	14-18, Dec. 2010	IPS Academy Indore	Prof. B.L.Saraf memorial all India lab workshop for P.G.Teachers	Participated
10	18-19 Jan. 2011	D.B.S.P.G. College Kanpur	National seminar on “Contribution of material science to the world today.”	Presented paper “Dielectric relaxation investigation of mixtures of some molecular systems

				and its correlation with N.M.R. spin lattice relaxation”
11	13-14, March 2011	Deptt. Of Commerce M.P. Govt.P.G. College Hardoi(U.P.)	National Seminar on “Poverty and economic development”	Presented paper “Training and employment opportunities among rural youth”
12	17-18 Dec 2011	M.P.Govt P.G.College Hardoi	National Seminar on Bioresource Management and global sustainability	Paper presented “consequences of ignoring sustainable development”
13	25 march 2012	k.L.,D.A.V. P.G.College Roorkee	National Seminar on Knowledge sharing and IP Management	Paper presented “ Ip Management in indian tradional knowledge.”
15	27 May-1 june 2012	I.I.T.Kanpur	National workshop on utshahi physics teachers	Participated
16	13-14 oct 2012	Chinmay Degree college Haridwar	National seminar on Natural Resources and Environment	Presented paper “Land resources & their optimum utilization in the central region of U.P.
17	1-16 February 2013	Christ church college Kanpur	Refresher course in experimental physics	Participated
18	21 March 2013	Govt. P.G.College Lansdown ,Pauri Garhwal	National Conference on Role Mathematics in Development of Science and Technology.	Presented paper “Mathematical Statistics –An important tool for Planners”
19	22-23 March 2013	Pt.L.M.S Govt. P.G. College Rishikesh, U.P.	UGC Sponsored National conference on Resourse Management and its sustainable use	Presented paper ”Energy Resources and their optimum use.”
20	10-11 December 2013	D.S.N. P.G.College Unnao	National Seminar on Science terminology in higher education	Attended
21	19 Dec.2013	Christ church college Kanpur	Workshop on Hands on Experiment in LASER Physics	Participated
22	22-23 Feb 2014	Govt. Degree College Pihani hardoi	National seminar on “Role of ICT in Quality improvement of Higher Education and Research.	Presented paper “Learning Physics Through ICT.

23	25-26 Feb.2014	M.P.Govt. P.G.College Hardoi	National Seminar On “Emerging Trends In Science & Technology in 21st Century”	Presented paper, ”Investigation of dielectric properties of substances using NMR and microwave absorption techniques.
24	23-24 March,2014	Govt. P.G. College College ,Harakh, Barabanki	Human Impact on Environment	Attended.
25	1-7 September20 14	M.P. Govt. P.G. College Hardoi	National Workshop on “Shiksha Aur Swasth Samaj	Invited Lecture
26	19september 2014	Sri Veni madhav Inter college, Hardoi	National children science congress	Chief speaker
27	1-2 Nov.2014	School of management sciences	International seminar on Sources of Planet Energy, Environmental and Disaster science.	Paper presented on energy sustainability
28	8-9 December 2015	Awadh Girls ‘ Degree College ,Lucknow	National Seminar on “Violence against women :Role of academia, Media and Social Activities in Creating Awareness”	Presented paper: Violence against women: a curse to society.
29	20-22 ,July 2015	Indian Institute of Science ,Bangalore	INUP Familiarization Workshop on Nano Fabrication Technologies.	Attended
30	19-27, Nov.2015	Indian Institute Of Science Bangalore	INUP Hands on Training Workshop On Nano Fabrication technology	Participated in MEMS Cantilever And Micro and Nano Characterization Techniques.
31	8-9 December 2015	Awadh Girls Degree College, Lucknow	National Seminar on “Violence against women :Role of academia, Media and Social Activities in Creating Awareness”.	“Violence against women: a curse to society”
32	3-8 Oct 2016	Inter University Accelerator Center, New Delhi	Workshop on experimental physics	Participated
33	6-7 January 2018	VARL rajkeeya Mahila Mahavidyalay Bareilly	National seminar on “Skill development :Bridging gaps between entrepreneurship and academic excellence”	“Dielectric and spin lattice relaxation investigation of Organic Materials.”
34	20-21 january 2018	GPGC Bilaspur, Pilibhit UP	National conference on “Scientific rationality and socio cultural changes”	“Social and cultural aspects of Science Education”
35	02-03 Feb.2018	NSCB GGPGC Aliganj Lucknow	National Conference on Ecological Degradation and Its impact on Socio Economic Development.	“Global Climate Change: Its consequences and sustainable development”

36	16-17 Feb 2018	FAA Govt. P.G. College Mahmooda bad	National seminar on 'Science Communication :Issues and Challenges.'	"Challenges of learning Physics in higher education in India."
37	16-17 Nov. 2018	NSCB GGPGC Aliganj Lucknow	International seminar on "Sustainable development;Strategies and emerging trends".	"Nuclear magnetic resonance –An emerging technique for characterisation of organic molecules
38	19 Nov.2019	Pt. LMS Government P.G.College Rishikesh	National Conference on "Fit India :Holistic Health Care For quality life."	"Health Management at work place"
39	29-30 Jan. 2019	Pt. LMS Government P.G.College Rishikesh	National Conference on "Holistic approach towards quality enhancement in higher education."	"Challenges and strategies in science education in India"
40	17-18 January 2020	DDU Govt. P.G. College Sitapur	National seminar on "Socio economic and technological advancements".	"Hazards of Electronic waste and its management"
41	27 Feb.2021	Govt. Degree College Hansaur,Barabanki	National seminar on "Quality enhancement in higher education :Its challenges and possibilities in 21 st Century".	"Role of E-Content in quality enhancement in higher education"
42	16-17 March 2021	Pt. DDU Govt. Girls P.G. College Rajajipuram Lucknow	National seminar on "Physical Education & sports;current status and future prospects."	"Fundamental concepts of physics helpful in sports"
43	09 NOV. 2023	MBP Government P.G. College Aashiyana Lucknow	International Conference On "Global Connections:Unveiling The Indian Diaspora's Transnational Impact	Chaired the technical session and delivered invited talk on The topic Scientific and Technological Contribution of Indian Diaspora
44	01 Dec. 2023	GDC Nainbagh Tehri Garhwal	National seminar on "Enhancement and sustenance in quality in higher education in view of NAAC and NEP 2020	Chaired the technical session and delivered talk as resource person in the Topic "NEP 2020, NAAC and Skill Development" .



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