

FACULTY PROFILE

Dr. Amith Yadav H.J.

Assistant Professor

Dept. of Physics

M.Sc., Ph.D.

Condensed Matter Physics

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Vision

- To develop research aptitude with postgraduate students
- To rendered the knowledge and uplift rural students
- To inspire do develop teaching ability for PG students
- To create learning atmosphere with rural students
- To develop scientific awareness among communities

Educational Qualifications

Sl. No.	Degree	Specialization/ Subjects	University	Year of Award/ Passing
1	Ph.D.	Condensed Matter Physics/ Physics	Bangalore University (Guide: Dr B.Eraiah)	2018
2	SLET	Physics	Mysore University	2015
3	M.Sc	Physics	Tumkur University	2014
4	B.Sc	PCM	Tumkur University	2012

Professional Details (Academic/Research Experience)

Sl. No.	Designation	Institution/University	UG/PG	From	To
1	Assistant Professor	Dept. of Studies in Physics, Davangere University	PG	25/05/2019	Till date

Areas of Research Interest:

1.	Nanophosphors and Nanomaterials
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2.	Astrophysics
3.	Atmospheric physics

Academic/Administrative responsibilities:

1.	Member, BOS(PG) Physics, Davangere University, Davangere from 2026 to 2028
2.	Member, BOE (PG) Physics, Davangere University, Davangere, 2024-25
3.	Member, BOE (PG) Physics, Adikavi Sri Maharshi Valmiki University, 2024-25 , 2025-26
4.	Member, BOE (PG) Physics, Tumkur University, 2025-26
5.	Editorial Board Member of International Journal of Materials, Manufacturing and Sustainable Technologies (IJMMST) Journal
6.	Reviewer of Journal of Nanoparticle Research, Applied Physics A and Discover Chemistry
7.	Course-Coordinator at Department of studies in Physics, PG-Center, Jnanagangotri, Chitradurga, 2022

Research Projects:

Sl. No.	Title of the Project	Funding Agency	Project Budget	Period	Status
1.	Synthesis and study of rare earth doped MgO Nanophosphor for display and latent fingerprint applications	Early Career Research Award VGST	Rs 10Lakh	2024 - 2026	Ongoing
2.	Green Synthesis of pure and rare earth doped nano metal oxides, metal oxide-reduced graphene oxide hybrid nanomaterials: Applications towards Energy saving.	DUSMYTR grant, Davangere University	Rs 20,000	March 2021 to September 2021	Completed

Research Publications:

a) International Journals

1.	Substituent-controlled Solvatochromic Behavior of Novel D- π -A Oxadiazole Derivatives: Combined Experimental and Theoretical Insights Sushma Katti, HJ Amith Yadav , GH Pujar, SR Inamdar, Narahari Deshapande, Vinay Parol, Vinuta JB, R Vijay Kumar
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	Journal of Luminescence, 298(2026)122056.
2.	Ecofriendly Synthesis of Sr Doped MgO Nanoparticles for Display and Latent Fingerprint Applications. R Vijay Kumar, HJ Amith Yadav Transactions on Electrical and Electronic Materials, (2026). https://doi.org/10.1007/s42341-026-00714-3 .
3.	Enhanced humidity sensing and nearly superparamagnetic behavior in Y ₂ O ₃ -Modified ZnFe ₂ O ₄ spinel nano ferrite ceramics VS Veena, Shenawar Ali Khan, Krishna Kumar Yadav, Mohammad Khalid, Norah AM Alsaif, Maha Awjan Alreshidi, Fahad M Aldosari, Ahmed M Fallatah, Woo Young Kim, HJ Amith Yadav , V Jagadeesha Angadi Ceramics International, 52(2026)27050-27059.
4.	Synthesis of (0.5-9 mol%) Pr ³⁺ doped MgO Nanoparticle for Display and Latent Fingerprints Application R. VIJAY KUMAR, H.J. AMITH YADAV , B. ERAIAH, S. RAJENDRA PRASAD, SUSHMA KATTI, V.S. VEENA, and YASHWANTH VENKATRAMAN NAIK Asian Journal of Chemistry, 37 (2025) 3111-3115.
5.	Synthesis of MgO-rGO nanocomposites for display and forensic application R Vijay Kumar, HJ Amith Yadav , B Eraiah, MN Kalasad, Sushma Katti, VS Veena Journal of Alloys and Compounds Communications 6(2025) 100056.
6.	Synthesis of CeO ₂ -reduced graphene oxide nanocomposite for display and latent fingerprint application H. J. Amith Yadav , B. Eraiah, M. N. Kalasad, Sushma Katti, R. Vijay Kumar & V. S. Veena J Mater Sci: Mater Electron 35, 702 (2024). https://doi.org/10.1007/s10854-024-12466-y .
7.	Role of post-transition metal (Bi ₂ O ₃) on the structural, microstructural and humidity sensing behavior of Bi@Zinc ferrites composite for room temperature operatable humidity sensors. V. S. Veena, H. J. Amith Yadav , Apsar Pasha, V. Jagadeesha Angadi, Mohd Ubaidullah, Shoyebmohamad F. Shaikh & Bidhan Pandit. Journal of Materials Science: Materials in Electronics 34(2023) 992.
8.	Structure, microstructure, magnetic and low temperature Mössbauer spectroscopy studies of Bismuth substituted zinc ferrite composite. Veena, V. S., HJ Amith Yadav , S. P. Kubrin, Mohd Ubaidullah, Abdullah M. Al-Enizi, Bidhan Pandit, Harjot Singh Gill, K. Manjunatha, and V. Jagadeesha Angadi. Journal of Magnetism and Magnetic Materials 571 (2023): 170561.
9.	Nanomaterials for Forensic Applications: A Review H.J. Amith Yadav , B. Eraiah, M.N. Kalasad, Manjunatha D Hadagali International Journal of Materials, Manufacturing and Sustainable Technologies, 1, (2022)4-11.
10.	Synthesis of Ag nanoparticles capped by thiol molecules Maheshkumar, V.S.Patil, H.J.Amith Yadav , D.H.Manjunath, S.V.Halse, M.N.Kalasad Materials Today: Proceedings, 67(2022) 201-204.
11.	Role of Capping Molecule L-Cysteine on Synthesis and Characterization of Silver Oxide (Ag ₂ O) Nanoparticles by Co-Precipitation Method

	B. Saraswathi , Vismitha S. Patil, Amith Yadav H. J. , S. V. Halse , M. N. Kalasad, Letters in Applied NanoBioScience, 12 (2023) 80.
12.	Optical and Structural Study of Biocompatible Silver Chitosan Colloids Vismitha S. Patil , B. Saraswathi , R. M. Hodlur , Amith Yadav H. J. , S. V. Halse, M. N. Kalasad, Letters in Applied NanoBioScience, 12(2023) 49.
13.	Colloidal synthesis of stable ZnSe nanoparticles. Patil, V. S., Nayana I. Sattigeri, R. M. Hodlur, HJ Amith Yadav , M. K. Patil, S. R. Inamdar, S. V. Halse, and M. N. Kalasad. Materials Today: Proceedings 60(2022)1099-1102.
14.	Synthesis, characterization of $\text{ZrO}_2 : \text{Tb}^{3+}$ (1-9 mol) nanophosphors for blue lighting applications and antibacterial property. H. J Amith Yadav , B. Eraiah, M. N. Kalasad, M. Thippeswamy, and V. Rajasreelatha. Biointerface Research in Applied Chemistry 12.6 (2022): 7147-7158.
15.	Green synthesis of CuO nanoparticles using Mimosa pudica leaf extract for antibacterial activity. H.J. Amith Yadav , B Eraiah, H Nagabhushana, MN Kalasad, K Lingaraju, H Rajanaika, B Daruka Prasad Inorganic and Nano-Metal Chemistry (2021): 1-3.
16.	Ultrasound assisted sonochemical synthesis of $\text{ZrO}_2 : \text{Eu}^{3+}$ nanophosphors, H.J. Amith Yadav , B Eraiah, H Nagabhushana, AIP Conference Proceedings 2115 (1), 030100 (2019).
17.	Rapid synthesis of C-dot@ TiO_2 core-shell composite labeling agent: Probing of complex fingerprints recovery in fresh water H.J. Amith Yadav , B. Eraiah, R.B. Basavaraj, H.Nagabhushana, S.C. Sharma, R. Nithya, S. Shanthi <i>J. Alloys Compd.</i> , 742, 2018 , 1006-1018
18.	Broad spectral inhibitory effects of pale green zinc oxide nanophosphor on bacterial and fungal pathogens H.J. Amith Yadav, B. Eraiah, H. Nagabhushana, B. Daruka Prasad, R.B. Basavaraj, M.K. Sateesh, J.P. Shabaaz Begum, G.P. Darshan, G.R. Vijayakumar , <i>Arabian J. Chem.</i> 11, 2018 , 324–342.
19.	Facile ultrasound route to prepare micro/nano superstructures for multifunctional applications H. J. Amith Yadav , B.Eraiah, H. Nagabhushana, G.P. Darshan, B. Daruka Prasad, H. B. Premkumar, K.S. Anantharaju , G.R. Vijayakumar <i>ACS Sustainable Chem. Eng.</i> , 5, 2017 , 2061–2074.
20.	Bio-inspired ultrasonochemical synthesis of blooming flower like ZnO hierarchical architectures and their excellent biostatic performance. Amith Yadav H.J. , B.Eraiah H.Nagabhushana , G.P.Darshan B.Daruka Prasad, M.K.Sateesh, S.C.Sharma, P.HemaPrabha <i>J SCI-ADV MATER DEV</i> , 2, 2017 , 455-469.
21.	Facile LaOF: Sm^{3+} based labeling agent and their applications in residue chemistry of

	latent fingerprint and cheiloscopy under UV- visible light C Suresh, H Nagabhushana, GP Darshan, RB Basavaraj, D Kavyashree, SC Sharma, A Arulmozhi, B Daruka Prasad, HJ Amith Yadav <i>Arabian J. Chem.</i> 11, 2018 , 460-482.
22.	Dy ³⁺ doped cubic zirconia nanostructures prepared via ultrasound route for display applications H. J. AmithYadav , B Eraiah, H Nagabhushana, RB Basavaraj, NH Deepthi AIP Conference Proceedings, 1832, 2017 , 050115.
23.	Green Synthesis, characterization and antibacterial activity of CuO nano particle H. J. Amith Yadav , B. Eraiah, H. Nagabhushana, R. B. Basavaraj, K.Lingaraju, H.Rajanaika <i>Materials Science Forum</i> ,830-831, 2015 , 549-552.
24.	Synthesis, Characterization and Photoluminescence Properties of CdSiO ₃ :Ce ³⁺ Nanophosphors RB Basavaraj, HJ Amith Yadav , H Nagabhushana, SC Prashantha, K.S. Anantharaju, Y.S. Vidya <i>Materials Science Forum</i> ,830-831, 2015 ,612-615.
b) National Journals	
1.	Green synthesis of CdO nanoparticles using natural seed extract of Cicer arietinum: Structural and photoluminescence studies H. J. Amith Yadav , B. Eraiah, H. Nagabhushana, R. B. Basavaraj, HR jayadevaru PARIPRASHNA, XI,2016, 36-40.
c) International Conference	
1.	Luminescence Properties of MgO: Pr ³⁺ Nanopowders for Display Application. Vijay Kumar R, Amith Yadav H.J. , Prof. B. Eraiah , Prof. M. N. Kalasad International Union of Materials Research Society International Conference in Asia, 2024 (IUMRS-ICA 2024) held on December 03-06, 2024, Indore, India
2.	MgO-rGO Hybrid Nanocomposites for Display application H.J. Amith Yadav et al International Conference On Advances In Optics And Photonics Instrumentation (Optoin-2024) held on 23 - 25 Oct 2024 Chandigarh, India at Taj Chandigarh.
3.	Attended as delegate 13 th Edition of Bengaluru INDIA NANO 2024 held on between August 1 - 3, 2024 at Bengaluru
4.	Synthesis, Structural and Luminescence Studies of Graphene Oxide H.J. Amith Yadav et al International Conference on "Recent trends in Adadvanced Materials" held on 2 nd September 2023 at school of physical science P.C Jabin science college.
5.	CeO ₂ Reduced Graphene Oxide Nanocomposite for Display Application. H.J. Amith Yadav et al The International Conference on Thin Films & Nanotechnology: Knowledge, Leadership, & Commercialization (ICTN-KLC 2023) held on July 6-8, 2023 at IIT Madras.
6.	CeO ₂ nanophosphors for Display Application H.J. Amith Yadav et al DAE-BRNS 9th Interdisciplinary Symposium on Materials Chemistry (ISMC-2022)(held

	on 7-10, December 2022 at DAE Convention Centre, BARC, Mumbai – 400094, INDIA.
7.	Nanomaterials for Forensic Applications: A Review H.J. Amith Yadav , B. Eraiah, M.N. Kalasad, Manjunatha D Hadagali 5 th International Conference on Science and Technology for society (ICSTC-2022) held on 19th -20th June 2022 at VMS Goa.
8.	Growth and Optoelectronic Properties of Semiconductor Nanocrystals, Sharath S. C, B.Maheshkumar, S. V. Halse, Amith Yadav H.J and M. N. Kalasad International Conference on Advanced Materials Science and Applications (Online)(ICAMSA-2020) held on 3-9-2020 to 4-9-2020 at Department of Physics, MSRIT.
9.	Rietveld refinement of $ZrO_2:Tb^{3+}$ nanophosphor. H. J. Amith Yadav , B. Eraiah. International Conference on Materials For Environment, Sustainable Society And Global Empowerment – 2019 (MESSAGE - 2019) held on 19-12-2019 to 20-12-2019, at Department of Nanotechnology,VTU .
10.	NOVEL RED-EMITTING $ZrO_2: Eu^{3+}$ NANOPHOSPHOR FOR LATENT FINGERPRINT TECHNOLOGY H.J. Amith Yadav , B. Eraiah, H. Nagabhushana International Conference on. Science, Technology and Applications of Rare Earths. (ICSTAR-2018) held on 23-9-2018 to 25-9-2018 at Rare Earth Association of India and Indian Institute of Mineral Engineers Tamil Nadu chapter.
11.	Nigella Sativa assisted Green synthesis of CuO NPs: Spectroscopic, Photocatalytic and Antibacterial activity H.J. Amith Yadav , B. Eraiah, H. Nagabhushana ICASE-2017, held on 19-1-2017 to 22-1-2017 at East West Institution of Technology (EWIT), Bengaluru.
12.	Synthesis of CuO–ZrO ₂ nanocomposites and their Structural and photoluminescence properties H. J. Amith Yadav , B. Eraiah, H. Nagabhushana, R. B. Basavaraj IUMRS-ICYRAM 2016 conference held on 11-12-2016 to 15-12-2016, organized by MRSI.
13.	Structural and Optical properties of ZrO ₂ nanostructures prepared via green combustion route using Kalonji seed extract as biotemplate. H. J. Amith Yadav , B. Eraiah, H. Nagabhushana. International Conference on Smart Engineering Materials held on 20-10-2016 to 22 -10-2016 at Rashtreeya Sikshana Samithi Trust, R V College of Engineering, Bengaluru - 560 059 .
14.	Facile green synthesis of cubic ZrO ₂ nanopowder: Structural and photoluminescence studies H.J. Amith Yadav , B.Eraiah, R.B. Basavaraj, H. Nagabhushana International Conference on Science and Technology: Future Challenges and Solutions (STFCS-2016) held on 8-8-2016 to 9-8-2016, 2016 organized by Indian JSPS Alumni Association (IJAA).
15.	Green synthesis, characterization of CuO nano particles using mimosa pudica leaf extract as fuel and their antibacterial activity

	H. J. Amith Yadav , B. Eraiah, H. Nagabhushana R. B. Basavaraj, K.Lingaraju, H.Rajanaika , B. Daruka prasad. International conference on nanomaterials and nanatecnology,(NANO-15) held on 7-12-2015 to 10 -12-2015 at Centre For Nanoscience and Technology K.S.Rangasamy College of Technology, Tiruchengode, Tamil Nadu, India.
16.	Green Synthesis, characterization and antibacterial activity of CuO nano particle H. J. Amith Yadav, B. Eraiah, H. Nagabhushana, R. B. Basavaraj, K.Lingaraju, H.Rajanaika. International conference on advanced materials and manufacturing processes for strategic sectors (ICAMPS 2015) held on 13-5-2015 to 15-5-2015 at IIM Trivandrum chapter.
d) National Conference	
1.	Synthesis and characterization Studies of (1- 9mol%) Ce doped MgO nanoparticles for display application National Conference on “Emerging Trends in Nanoscience and Nanotechnology” on 7th March 2026 at Government First Grade College, Holakere.
2.	Green Synthesis, characterization and antibacterial activity of ZnO:Nd³⁺ superstructures H. J. Amith Yadav, B. Eraiah. National Conference On Emerging Trends, Innovation &Application in Science & Technology held on 1st October-2019 at NCMS Campus.
3.	□□□□□ □□□□□□□□□□, □□□□□ □□□□□□ □□□ □□□□□□□□ □□□□□ □□□□□□□□ □□□□□□□□. H. J. Amith Yadav, B. Eraiah. 15th Kannada vigyan sammelana (15th KVS), 15th -16th September -2019 at Davangere University
4.	National Conference on "Current Applications in Material Science" , 4th May 2019 Place: SJBIT,Bangalore Organizer: SJBIT,Bangalore
5.	Synthesis and Characterization of ZrO₂: Eu³⁺ Nanophosphor by Sonochemical Method H.J. Amith Yadav, B. Eraiah, M.S. Rudresh. National Conference on on "Emerging Trends in Material Science" held on 5th October (Friday) 2018 at KLE Society's S. Nijalingappa College.
6.	Rapid synthesis of core-shell composite labeling agent: Probing of complex fingerprints recovery in fresh water H.J. Amith Yadav, B. Eraiah, R.B. Basavaraj, H.Nagabhushana, G.P. Darshan, J. Malleshappa. National Conference On “Trends in Advanced Materials and their Applications”, (TAMA-2017) held on 30th November 2017 at Tumkur University.
7.	Bio-inspired 3D ZnO blooming flower like architecture fabricated via ultrasonochemical route useful for photometric studies . H.J. Amith Yadav, B. Eraiah, H. Nagabhushana, B. Daruka Prasad, S.C Sharma, G.P. Darshan National conference on Recent Advances In Materials-2017 held on 30th August 2017 at APS College of Engineering,Bangalore.

8.	Green synthesis of CdO nanoparticles using natural seed extract of Cicer arietinum: Structural and photoluminescence studies. H. J. Amith Yadav , B. Eraiah, H. Nagabhushana, R. B. Basavaraj, HR Jayadevaru National conference on "Recent trends in Physical Sciences – RTPS 16" held on 25 and 26 February 2016 at Jain University, Bangalore.
9.	Synthesis of cerium oxide nanoparticles using plant extracts and their structural, optical and Photoluminescence studies H. J. Amith Yadav , B. Eraiah, H. Nagabhushana, R. B. Basavaraj, M. Jayaramu National Conference on "ADVANCED FUNCTIONAL MATERIALS" (IN HONOUR OF PROF. A. K. SOOD, FRS) (AFM - 2015) held on December 4th and 5th 2015 at Dayananda Sagar College of Engineering, Bangalore.
10.	Bio-mediated synthesis of CdO nano particles: Structural and Photoluminescence properties H.J. Amith Yadav , B. Eraiah, H. Nagabhushana, R.B. Basavaraj, K. Lingaraju, H. Rajanaika. National Conference on "Applications of Nanotechnology in Environmental Remediation" held on 7th October 2015 at Tumkur University, Tumkur.
Book Published / Book Chapters Published:	
➤	Title : Multifunctional Inorganic Nanomaterials for Energy Applications Topic : CeO ₂ :Tb ³⁺ Nanophosphor for Display Applications Authors : Vijay Kumar, R., H.J. Amith Yadav , V.S. Patil, Nagaveni G.H., H.P. Nagaswarupa, and Ramachandra Naik Publisher : CRC Press, 2024, 166–171
➤	Title : Nanotechnology: Current Uses, Future Applications in Biomedicine Topic : Nanotechnology Green Synthesis of Nanomaterials Authors : Kalasad M. N., Amith Yadav H. J. , Manjunath D. H., V. S. Patil, R. C. Baratakke, S. B. Kakkalameli Publisher : SHINEEKS Publishers, 2023, 137-147.
➤	Title : LASER-BASED TECHNOLOGIES FOR SUSTAINABLE MANUFACTURING Topic : Current Issues, Developments, and Constraints in Additive Manufacturing Authors : V. S. Patil Sushma Katti, G. H. Pujar, H.J. Amith Yadav , and M. N. Kalasad Publisher : CRC Press, 2023, 55-65.
➤	Title : Nanomanufacturing and Nanomaterials Design: Principles and Applications Topic : Intense Classification of Nanomanufacturing Authors : H. J. Amith Yadav , D. H. Manjunatha, D. Gayathri, V. S. Patil, M. N. Kalasad Publisher : CRC Press, 2022, 31–43.
➤	Title : Biobased Products: Sustainable Applications Topic : Biomolecule Based Nanomaterials Authors : Kalasad M.N., Manjunath D.H., Hodlur R.M., Baratakke R.C., Amith Yadav H.J. , Patil V.S., Halse S.V., Kakkalameli S.B. and Gayathri D. Publisher : Today & Tomorrow's Printers and Publishers, 2022, 1-26.

Research Guidance Details (PhD):

Sl.No	Name of the Scholar	University	Registration month & Year	Research Area
1.	Veena V S	Davangere University	January 2022	Magnetic Materials
2.	Sushma Katti	Davangere University	January 2022	Molecular Spectroscopy
3.	Vijay Kumar R	Davangere University	April 2023	Nano-phosphors

Conference/Workshops/Trainings attended/organized:***International/National Conferences:***

1. **Organizing Committee Member for** one day National Conference on Nanostructure based Functional Materials held on 8 September, 2023 at Department of Studies in Physics, Davangere University.

Workshops attended/organized:

1. Attended WORKSHOP ON PARTICLE CHARACTERIZATION TECHNIQUES (PCT-2022) held on 30 May-06 June 2022 organized by Department of Chemistry & International Research Centre, SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY.
2. Attended Workshop on NAAC Criteria Organized by the (IQAC) Davanegere University, Davangere held from 3-2-2021 to 10-2-2021.
3. Organizing committee member - One Day workshop on PEO's, PO's and CO's in Outcome based education environment on 15-12-2020.
4. Organising committee member - one day workshop for college teachers on FRONTIERS OF PHYSICAL SCIENCES at Davangere University on 03-02-2020.
5. Attended IDA Connect Workshops at Didac India 2019, 24th September 2019 attended the sessions "Reading for Pleasure leads to Academic Excellence" and "Possibilities of Implementing Recommendations on Education" Conducted : NIOS and Scholastic India Private Limited
6. Attended Workshop on 'New Horizons of Physics' 27th – 28th September 2013.
7. Attended Workshop on 'RECENT TRENDS IN CONDENSED MATTER PHYSICS'. 16-17th Sept. 2011, Tumkur University.

Seminars attended/organized:

1. Organizing committee member – National webinar on 'Smartness of smart materials' on 09th September, 2021.

2. Organizing committee member – National webinar on ‘Particle Accelerators: Current and Future Application’ on 19th July, 2021.
3. Coordinator – National webinar on ‘White Dwarfs, Neutron Stars and Black Holes’ on 13th July, 2021.
4. Organizing committee member – National webinar on ‘Studies on Conducting Polymer Nanocomposites and its Applications’ on 08th July, 2021.
5. Coordinator – National webinar on ‘The Ubiquitous Gallium Nitride Nanostructures’ on 07th July, 2021.
6. Organizing committee member – National webinar on ‘Exploring Biomaterials for Energy and Environmental Applications’ on 30th June, 2021.
7. Organizing committee member – National webinar on ‘Ultrafast Optics’ on 29th June, 2021.
8. Coordinator – National webinar on ‘Arduino Microcontroller, Coding, I/O Interfacing and Circuit Simulation’ on 27th June, 2021.
9. Convener – National webinar on ‘Sensors’ on 16th June, 2021
10. Attended Webinar on "Evolution of Quantum Theory" by Prof. Ajay Ghatak , organized by the Department of Pure & Applied Physics, Guru Ghasidas Central University, Bilaspur (C.G.) during Sep 11, 2020 10:30 AM.
11. Organizing committee member – International webinar on ‘ICT Initiatives and Flipped Learning’ on 28th August, 2020.
12. Coordinator- National webinar – Short term course on ‘Basic Electronics’ during 06 – 12 July, 2020.
13. Organizing committee member – National webinar on ‘Raman Effect and its applications’ on 25th June, 2020.
14. Organizing committee member – National webinar on ‘Super Capacitors’ and ‘Flexible OLEDs – The Future of lighting and Display Technology’ on 18th and 20th June, 2020.
15. Organizing committee member – National webinar on ‘Biological effects of ionizing radiation, and ‘Biological bases of radiation protection, on 12th and 17th June, 2020.

Symposium attended/organized:

1. International Symposium on Advanced Research in Physics - 2020, organized by the Department of Physics, Bangalore University, Bengaluru in association with Sir M Visvesvaraya – ISRO Chair, Bangalore University, Bengaluru, India during 27- 31, July 2020.

2. Ultrasound assisted sonochemical synthesis of $\text{ZrO}_2: \text{Eu}^{3+}$ nanophosphor
H. J. Amith Yadav, B. Eraiah, H. Nagabhushana,
 63rd DAE Solid State Physics Symposium (SSPS - 2018) took place from December 18 to December 22, 2018, at the Guru Jambheshwar University of Science and Technology in Hisar, Haryana
3. Dy^{3+} doped cubic Zirconia nanostructures prepared via ultrasound route for display applications.
H. J. Amith Yadav, B. Eraiah, H. Nagabhushana, R.B. Basavaraj, N.H Deepthi
 61st DAE-Solid State Physics Symposium was held in KIIT University, Bhubaneswar,. Odisha, India between 26 and 30 December 2016.

Training Programme :

1. One Week Online Training Program on ICT Tools for Teaching, Learning and Administration August 04 – August 10, 2020 Organized By Department of Electronics and Communication J. K. Institute of Applied Physics & Technology University of Allahabad, Prayagraj – 211002
2. CSIR-Summer Research Training Program 2020(online) during June to August 2020

Achievements

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| 1. | VGST Early Career Research Award for the project <i>"Synthesis and study of rare earth doped MgO Nanophosphor for display and latent fingerprint applications"</i> of Rs. 10 Lakhs (2024-26) |
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Abroad visit

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| 1. | Visited Department of Chemistry, Physics & Materials Science, Chulalongkorn University, Bangkok, Thailand on 20th January 2017 for during International Conference on Advances in Science & Engineering (ICASE-2017) |
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Professional Membership

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| 1. | Karnataka Rajya Vijnana Parishat (KRVP) – Life member |
| 2. | Indian Physics Association (IPA) - Life member |
| 3. | Youth hostel association of India - Life member |

4.	Luminescence Society of India - Life member
5.	Optical Society of India- Life member
6.	Society for Materials Chemistry (SMC)- Life member
7.	Indian Ceramic Society - Life member

Personal Details		
Gender	Male	
Date of Birth	02-07-1991	
Contact details	Address for Communication	Permanent address
	Dr. Amith Yadav H.J. Assistant Professor Dept. of Studies in Physics Davangere University Shivagangotri, Tholahunase Davangere – 577007, Karnataka - State	S/O HR Jayadevaru Sri Rangantha swamy Nilaya 8 th A Cross Gangotri Road Tumkur-572103
Electronic address	Telephone-Mobile :9110237033 E mail : amithyadavhj@gmail.com amithyadavhj@davangereuniversity.ac.in Website: GoogleScholarLink: https://scholar.google.com/citations?user=KBxtDSgAAAAJ&hl=en	