

CURRICULAM VITAE

Name : **Dr. DEVENDRAPPA. H**

Name of the Father : Honnappa (late)

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Knowledge of languages
Read / Write / Speak : Kannada, English and Hindi

Academic Qualifications : Ph.D. (Transport & Electrochemical property of Polymer composite) Gulbarga University (2002)
M. Phil. (Quantum noise in Radioactive Decay) Gulbarga University (1999)
M. Sc. (Physics) Gulbarga University (1998).
Specialization: **Solid State Physics**

Teaching Experience : Working as a Professor (Present)
Senior Scale Lecturer (21 July 2008-1 Dec. 2013)
Lecturer (21 July 2004-08)
Dept. of Studies in Physics, Mangalore University,
Karnataka, India

Research Experience : 18 years (excluding M Phil & Ph D durations)



Area of Research : Condensed Matter Physics

- Transport and Optical Properties of Polymer Electrolyte
- Electrochemical cell parameters of Polymer Electrolyte
- Super capacitor of Conjugate Polymer Nano Composite
- Synthesis of conjugate Polymer Nano Composite
- Fabrication of Single Organic Layer Device of Polymer Complexes.
- Fabrication of Electrode of Conjugate Polymer Nano Composite.
- Radiation effects on Physical properties of polymer.
- Batteries and Electrochemical sensors.
- Fullerene and Non fullerene based Solar cell

Research Publications

I. In International referred journals

1. A paper entitled "*Study Of D C Conductivity and Battery Application Of PEO/PANI and Its Composites*" in Journal of Power Source, vol. 155, Issue 2, (April 21- 2006) 364-67. **(Impact factor 8.46)**
Devendrappa H, Subba Rao U V and M V N Ambika Prasad
2. A paper entitled "*Optical and Electrical Conductivity For (PEO+NiSO₄) Polymer Electrolytes*" International Journal of Materials Sciences" ISSN 0973- 4589 Volume 4, Number 1 (2009), pp. 85–90
Devendrappa H and M V N Ambika Prasad
3. A paper entitled "*Effect Of 8mev Electron Irradiation On The Optical Properties Of Doped Polymer Electrolyte Films*" in J. Phys. D: Appl. Phys. **44** (2011) 105403 (8pp) **(Impact factor 2.3)**
Subramanya Kilarkaje, Manjunatha V, Raghu S, M V N Ambika Prasa, **Devendrappa H**
4. A paper entitled "*Optical, DC Conductivity and Electrochemical Parameter of Polymer Electrolyte Complexes*" in Journal of International Academy of Physical Sciences Vol. 15, (2011) pp. 293-314, ISSN 0974 – 9373
V. Manjunatha, Kilarkaje Subramanya, S. Raghu, **Devendrappa H**.
5. A paper entitled "*Refractive Index and Dispersive Energy Of NiSO₄ Doped Polyethylene Oxide Films*" in Journal of Material Science and Engineering-A ISSN 1934-8959 (2011) 964-973 **(Impact factor 1.00)**
V. Manjunatha, Kilarkaje Subramanya, S. Raghu, **Devendrappa H**.
6. A paper entitled "*Optical and Electrical Characterization Of (PEO + Methyl Violet) Polymer Electrolytes*" in the *Journal of Applied Polymer Science*. Volume 124, Issue 3, 5 May 2012, Pages: 2558–2566 **(Impact factor 2.18)**
Subramanya Kilarkaje, Manjunatha V Raghu S, MVN Ambika Prasad, **Devendrappa H**

7. A paper entitled “*Synthesis, Characterization, and Electrochemical Properties of Poly(ethylene oxide)-Based Polyaniline Electrolyte Complex*” in the *Journal of Applied Polymer Science*, Vol. 125, Issue 2, 15 July 2012, Pages: 1652–56. (**Impact factor 2.18**)
Kunteppa H Aashis S. Roy, **Devendrappa H.**, M. V. N. Ambika Prasad
8. A paper entitled “*AC Conductivity & Dielectric Relaxation of Polymer Complexes*” in “*Solid State Physics (AIP publication)*” 1447, 967 (2012); 10.1063/1.4710326.
S. Raghu, Subramanya Kilarkaje, V. Manjunatha, **Devendrappa H.**
9. A paper entitled “*Structural, Thermal Studies and Ionic Conductivity of doped Polymer Electrolytes*” in “*Solid State Physics (AIP publication)*” 1447, 967 (2012); 10.1063/1.4710326.
Subramanya Kilarkaje, S. Raghu, V. Manjunatha, **Devendrappa H.**
10. A paper entitled “*Electron Beam Induced Modifications In Conductivity and Dielectric Property Of Polymer Electrolyte Film*” in *Radiation Measurements* 53-54 (june-july 2013) 56-64 (**Impact factor 1.17**)
S. Raghu a, Subramanya Kilarkaje, Ganesh Sanjeev, **Devendrappa H.**
11. A paper entitled “*Structural optical & electrical conductivity properties of Li₂SO₄ doped polymer electrolytes*” in *Composite Interfaces* Vol.21, Issue 2, 2014 (**Impact factor 1.083**)
V. Manjunatha, Kilarkaje Subramanya, **Devendrappa H.**
12. A paper entitled “*Effect of Electron Beam Irradiation on Polymer Electrolytes: Change in Morphology, Crystallinity, Dielectric Constant and AC Conductivity with Dose*” in “*Radiation Physics & Chemistry*” Vol. 98, May 2014, Pages 124-31 (**Impact factor 1.40**)
S. Raghu a, Subramanya Kilarkaje, Ganesh Sanjeev, **Devendrappa H.**
13. A paper entitled “*The change in dielectric constant, AC conductivity and optical band gaps of polymer electrolyte film: Gamma irradiation*” in “*Solid State Physics (AIP publication)*” 1591, 1272 (2014); doi: 10.1063/1.4872927
S. Raghu, Subramanya Kilarkaje, V. Manjunatha, **Devendrappa H.**
14. A paper entitled “*Conductivity and optical band gaps of polyethylene oxide doped with Li₂SO₄ salt*” in “*Solid State Physics (AIP conference proceeding)*” 1591, 1275 (2014); doi: 10.1063/1.4872928
Sharanappa C, S. Raghu, K. Subramanya, K. Archana, V. Mini & **Devendrappa H.**
15. A paper entitled “*Studying the effect of KCl Addition on the Optical Properties and Morphology of the Solid Polymer Electrolyte film.* in *Int.J. Chem Tech Res.* 2014,6(6), pp 3321-3324. **ISSN : 0974-4290**
Sharanappa Chapi, Raghu S, Mini V, Archana K, **Devendrappa H.**
16. A paper entitled “*Dielectric Constant & Transport Mechanism of Percolated PANI Nanoclay Composites*” in *Ind. Eng. Chem. Res.* 2014,53, 16873–82 (**Impact factor 2.84**).
Mini Vellakkat, Archana Kamath, S. Raghu, Sharanappa Chapi & **Devendrappa H.**

17. A paper entitled "*Influence of Cobalt (II) Chloride Catalysed on the Thermal & Optical Characterization of PEO Based Solid Polymer Electrolytes*" in Journal of Research Updates in Polymer Science, 2014, 3. ISSN: 1929-5995/14
Sharanappa Chapi and **H. Devendrappa***
18. A paper entitled "*Concentration dependent ionic conductivity and dielectric relaxation of methyl blue dyed polyethylene oxide films*" in Polymer Bulletin (2015) 72:2705–2724 (**Impact factor 1.43**).
Archana Kamath and **H. Devendrappa**
19. A paper entitled "*The physical & chemical properties of gamma ray irradiated polymer electrolyte films*" in Journal of Non-Crystalline Solids 426 (2015) 55–62 (**Impact factor 2.14**)
Raghu S, Archana K, Sharanappa C, Ganesh S, **Devendrappa H.**
20. A paper entitled "*Thermochromism and Fluorescence in Dyed PEO Films*" in SOLID STATE PHYSICS: Proceedings of the 59th DAE SSP Symposium 2014 (AIP publication) 1665, 060003 (2015); doi.org/10.1063/1.4917838
Archana Kamath, Raghu S, Mini V, Sharanappa C, **Devendrappa H***
21. A paper entitled "*Electron Beam and Gamma Ray Irradiated Polymer Electrolyte Films: Dielectric Properties*" in Journal of Radiation Research & Applied Science 9 (2 0 1 6) 1 1 7 - 1 2 4 (**Impact factor 1.70**)
Raghu S, Archana K, Sharanappa C, Ganesh S, **Devendrappa H.**
22. A paper entitled "*Methyl blue dyed Polyethylene oxide films: Optical and Electrochemical Characterization and Application as a Single Layer Organic Device*" in *Optical Materials* , 426 (2015) 55–62 (**Impact factor 2.023**)
Archana Kamath, Raghu S and **H. Devendrappa**
23. A paper entitled "*Enhanced electrochemical, structural, optical, thermal stability and ionic conductivity of (PEO/PVP) polymer blend electrolyte for electrochemical applications*" in Ionics, 2015, 10.1007/s11581-015-1600-2 (**Impact factor 2.062**)
Sharanappa Chapi and **H. Devendrappa***
24. A paper entitled "*Chitosan Mediated Synthesis of Core/Double Shell Ternary Polyaniline/Chitosan/Cobalt Oxide nano composite-As High Energy Storage Electrode Material in Supercapacitors*" in Mater. Res. Express 3 (2016) 015502.
Mini V and **H. Devendrappa***
25. A paper entitled "*Nanostructured Multifunctional Core/Shell Ternary Composite of Polyaniline-Chitosan-Cobalt Oxide: Preparation, Electrical and Optical Properties*" in Materials Chemistry and Physics 170 (2016) 90-98 (**Impact factor 2.28**)
Mini V and **H. Devendrappa***
26. A paper entitled "*Structural, Optical and Thermal Study on PEO-Based Solid Polymer Electrolyte for Optical Device Applications*" in Macromol. Symp. 2016, 361, 129–135 (**ISSN: 1521-3900**)
Sharanappa Chapi, Raghu S.,Mini V., Archana K., S. Thomas, **Devendrappa H.***

27. A paper entitled “*Effect of Methyl Red Dye on Dielectric and Conductivity Properties of PEO/CdCl₂ Electrolytes*” in **International Conference on Condensed Matter and Applied Physics (ICC 2015)** AIP Conf. Proc. 1728, 020216-1–020216-4; doi: 10.1063/1.4946267
Archana Kamath, **Devendrappa H***
28. A paper entitled “*Optical, Electrical, Thermal and Electrochemical Studies of Spin-coated Polyblend-ZnO Nanocomposites*” in J of Mat Sci. Mat Ele. (2016) 27:11974–11985 (Impact factor 2.019).
Sharanappa Chapi, **Devendrappa H.***
29. A paper entitled “*Electrical Conductivity and Supercapacitor Properties of Polyaniline/Chitosan/Nickel Oxide Honeycomb Nanocomposite*” in J. APPL. POLYM. SCI. 2016, (1.40)
Mini V and **Devendrappa H.***
30. A paper entitled “ *Localized Polarons in In-situ Synthesized Polyaniline Nano Composites Improve the Morphology, and Thermal and Electrical Conductivity* RSC Adv., 2016, 6, 115074 (**IF. 3.20**)
M. Niranjana, L. Yesappa, S. P. Ashokkumar, H. Vijeth, S. Raghu and H. Devendrappa.
31. A paper titled “**Investigation of the Structure, Optical and Electrical Properties of Lithium Perchlorate doped Polyaniline Composite: Aloe Vera used as a Bio-Plasticizer**”
Journal of Electronic Materials-Aug 2017, **DOI:** 10.1007/s11664-017-5724-1, issn: 1543-186X.
Yesappa L, Niranjana M, Ashokkumar S, Vijeth H, Sharanappa C, Raghu S, Devendrappa H* .
32. A paper titled “**Optical Properties and Ionic Conductivity Studies of 8MeV Electron Beam Irradiated Poly (vinylidene fluoride-co- hexafluoropropylene)/ LiClO₄ Electrolyte Film for Opto-Electronic Applications**” RSC Advances, 2018, 8, 15297–15309. (IF 3.108). **DOI:** 10.1039/c8ra00970h. (**IF. 3.20**)
Yesappa L, Niranjana M, Ashokkumar S P, Vijeth H, Basappa M, Jishnu Dwivedi, V C Petwal, Ganesh S, Devendrappa H*.
33. A paper titled “**Characterization, Electrical Conductivity and Electrochemical performance of Polyaniline-LiClO₄-CuO Nano Composite for Energy Storage Applications**”. Polymer-Plastics Technology and Engineering- 57, 2018,1466175
DOI: 10.1080/03602559.2018.1466175. (IF 1.232)
Yesappa L, Niranjana M, Ashokkumar S, Vijeth H, Raghu S, Devendrappa H*
34. A paper titled “**Increased Porous Morphology and Thermal Degradation of Electron Beam Irradiated PVDF-HFP/LiClO₄ Polymer Electrolyte**”. Radiation effects and defects in solids, 173 (3-4), 1-7, 2018.
DOI: 10.1080/10420150.2018.1486840
Yesappa L, Niranjana M, Ashokkumar S, Vijeth H, Ganesh Sanjeev, Devendrappa H*.

35. A paper titled **“The Modified Thermal, Dielectric and Electrical Conductivity of PVDF-HFP/LiClO₄ Polymer Electrolyte Films by 8 MeV Electron Beam Irradiation”**. ACS Omega 2018, 3, 14188–14200, DOI: 10.1021/acsomega.8b01097. (IF. 2.8) Yesappa L, Niranjana M, Ashokkumar S, Vijeth H, Vandana M, Ganesh Sanjeev, Devendrappa H*
36. A paper titled **“Electron Beam Irradiation Effect on Structure, Morphology and, Optical Properties PVDF HFP/PEO Blend Polymer Films”** Journal of Radioanalytical and Nuclear Chemistry 2019, 1-6. DOI: 10.1007/s10967-019-06466-0. (IF-1.18). [ISSN No. 1588-2780].
Yesappa L, Ashokkumar S P, Vijeth H, Basappa M, Ganesh Sanjeev, Devendrappa H*.
37. A paper entitled **“Flexible and high energy density solid-state asymmetric supercapacitor based on polythiophene nanocomposites and charcoal”**. RSC Adv., 2018, 8, 31414–31426. DOI: 10.1039/c8ra06102e. (IF 3.20)
Vijeth H., Ashokkumar S. P., Yesappa L., Niranjana M., Vandana M. **Devendrappa H.**
38. A paper entitled **“Camphor Sulfonic Acid Assisted Synthesis of Polythiophene Composite for High Energy Density All-Solid-State Symmetric Supercapacitor”**. Journal of Materials Science: Materials in Electronics, 2019, 1-14. DOI: 10.1007/s10854-019-01060-2 [ISSN No. 1573-482X]. (IF 2.6) Vijeth H; Ashokkumar S P; Yesappa L; Niranjana M; Vandana M; **H. Devendrappa***.
39. A paper entitled **“Structure, morphology, thermal and electrochemical studies of electrochemically synthesized polyaniline/copper oxide nanocomposite for energy storage devices”**. Materials Research Express., 2020, 6, 125557. (IF 1.49) SP Ashokkumar, L Yesappa, H Vijeth, M Niranjana, M Vandana, **H Devendrappa***.
40. A paper entitled **“Camphor sulfonic acid surfactant assisted polythiophene nanocomposite for efficient electrochemical hydrazine sensor”**. Materials Research Express., 2020, 6, 125375. (IF 1.49) H Vijeth, SP Ashokkumar, L Yesappa, M Vandana, **H Devendrappa.**
41. A paper entitled **“Electrochemically synthesized polyaniline/copper oxide nano composites: To study optical band gap and electrochemical performance for energy storage devices”**. Inorganic Chemistry Communications., 2020, 107865. SP Ashokkumar, H Vijeth, L Yesappa, M Niranjana, M Vandana, **H Devendrappa.**
42. A paper entitled **“Hydrothermal synthesis of quantum dots dispersed on conjugated polymer as an efficient electrodes for highly stable hybrid supercapacitors”**. Inorganic Chemistry Communications., 2020, 107941. M Vandana, H Vijeth, SP Ashokkumar, **H Devendrappa.**
43. A paper entitled **“Hybrid Core-Shell nanostructure made of Chitosan incorporated Polypyrrole Nanotubes decorated with NiO for All-Solid-State Symmetric Supercapacitor Application”** in Electrochemical Acta , 354, 136651, 2020 (IF 6.21).
H. Vijeth, L Yesappa, SP Ashokkumar, Vandana M, **H Devendrappa***

44. A paper entitled “**Growth of 3-Dimensional MoS₂-PANI nanofiber for high electrochemical performance**” in Materials Research Express, (2020). (IF 1.92). H Ganesh, S Veeresh, Y S Nagaraju, M Vandana, S P Ashokkumar, H Vijeth, **Devendrappa H.**
45. A paper entitled “**Effect of Different Gel Electrolytes on Conjugated Polymer - Graphene Quantum Dots Based Electrode for Solid State Hybrid Supercapacitors**” in Polymer-Plastics Technology and Materials, (2020) (Accepted). (IF 1.78). M Vandana, H Vijeth, S P Ashokkumar, **Devendrappa H.**

II. In proceedings:

1. A paper entitled “**Effect Of Electron Beam Irradiation On The Optical Properties Of Doped Polymer Electrolyte Films**” Proceedings of 2nd national conference on advances in new engineering materials and characterization, AMC-2010, Sullia, pp 114, 2010 .
Subramanya Kilarkaje, M V N Ambika Prasad, **Devendrappa H.**
2. A paper entitled “**CD²⁺ Induced Modification Of Optical Properties Of Polyaniline**” proceedings of 2nd national conference on advances in new engineering materials and characterization, AMC-2010, Sullia, p 121, 2010.
Subramanya Kilarkaje, M V N Ambika Prasad, & **Devendrappa H.**
3. A paper entitled “**Effect Of 8mev Electron Beam Irradiation On The Optical Band Gap and Transmittance Of Doped Polymer Electrolyte Films**” Proceedings of International conference on Isotope Technologies And Applicationa-New Horizons, NIC-2010, Mumbai, pp 302-307, 2010 .
Subramanya Kilarkaje, M V N Ambika Prasad, **Devendrappa H.**
4. A paper entitled “**Electron induced Modification In The Optical Constants & Cluster Size of Doped Polymer Electrolyte Film**” Proceedings of International conference on Isotope Technologies And Applicationa-New Horizons, **NIC-2010**, Mumbai, pp 335-339, 2010 .
Subramanya Kilarkaje, M V N Ambika Prasad, **Devendrappa H.**
5. A paper entitled “**Synthesis, Charecterzation and Optical Properties Of Doped Polyaniline**” Proceedings of International conference on Polymer science and engineering: Emerging dimensions, PSE-2010, Chandigarh, 2010.
Subramanya Kilarkaje, Manjunatha V, & **Devendrappa H.**
6. A paper entitled “**Modification Of The Optical Roperties Of (PEO +Methyl Violet) Polymer Electrolyte Films By Irradiation**” proceedings of National conference on Advances in Polymer Science and Technology, APST-2010, NIT Hamirpur (HP), 2010.
Subramanya Kilarkaje, Manjunatha V, & **Devendrappa H.**
7. A paper entitled “**Study Of Refractive Index and Oscillator Parameters Of Doped Polymer Electrolyte Films**” Proceedings of IInd National conference on Advanced materials, NCAM-2010, Tamilnadu, p 115-22, (ISBN 93-80697-09-0, 2010).
Subramanya Kilarkaje, Manjunatha V, Raghu S, M V N Ambika Prasad, & **Devendrappa H.**

8. A paper entitled “**Structure, morphology and optical studies of Li⁺ doped polyaniline composite**” AIP Conference Proceedings 1832, 040011 (2017); DOI:10.1063/1.4980213.
L. Yesappa, M. Niranjana, S. P. Ashokkumar, Vijeth, Sharanappa Chapi, S. Raghu, and H. Devendrappa
9. A paper entitled “**Optical absorption and morphology of biointercalated polyaniline composites**” Proceedings in Advanced Materials Proceedings 2017, 2(7), 436-439. DOI: 10.5185/amp.2017/707
Yesappa L, Niranjana M, Sharanappa Chapi, Archana K, Raghu S, Devendrappa H*
10. A paper entitled “**Optical and electrical studies of vanadium pentoxide doped polyaniline composite**” AIP Conference Proceedings 1832, 040010 (2017); DOI:10.1063/1.4980212.
M. Niranjana, L. Yesappa, S. P. Ashokkumar, H. Vijeth, Sharanappa Chapi, S. Raghu, and H. Devendrappa.
11. A paper entitled “**In-situ chemical synthesis of PANI Dodecylbenzene sulfonic acid doped vanadium pentoxide: Optical and electrical properties**” Proceedings in Advanced Materials Proceedings 2017, 2(3), 184-188. DOI:10.5185/amp.2017/3010
Niranjana M, Sharanappa Chapi, Yesappa L, Archana K, Raghu S, Devendrappa H*
12. A paper entitled “**Surfactant assisted surface morphology and thermal properties Of polythiophene composites**” AIP Conference Proceedings 1849, 020043 (2017); DOI:10.1063/1.4984190.
H. Vijeth, M. Niranjana, L. Yesappa, Sharanappa Chapi, S. Raghu, S. P. Ashokkumar, and H. Devendrappa.
13. A paper entitled “**Morphology, Optical and Ionic Conductivity Studies of Electron Beam Irradiated Polymer Electrolyte Film**” AIP Conference Proceedings 1942, 110003 (2018); DOI: 10.1063/1.5028986. Devendrappa H*, Yesappa L Ashokkumar SP, Vijeth H, Niranjana M, Vandana M, Ganesh S.
14. A paper entitled “**Polythiophene nanocomposites as high performance electrode material for supercapacitor application**” AIP Conference Proceedings 1942, 140017 (2018); DOI: 10.1063/1. 5029148.
Vijeth H, Yesappa L, Niranjana M, Ashokkumar SP, Devendrappa H*.
15. A paper entitled “**Synthesis and characterization of graphene quantum dots-silver nanocomposites**” AIP Conference Proceedings 1942, 050046 (2018); DOI: 10.1063/1.5028677.
Vandana M, Ashokkumar SP, Vijeth H, Niranjana M, Yesappa L, Devendrappa H*.

16. A paper entitled “**Electron beam irradiated polyaniline/liclo4 composite: structure, morphology studies**” Proceedings of Int. Conference RAMSB-2018, Page 396-398. [ISBN 978-93-5291-953-6].
Yesappa L, Niranjana M, Ashokkumar S P, Vijeth H, Vandana M ,Ganesh Sanjeev, Devendrappa H*
17. A paper entitled “**Synthesis and dielectric properties of polyaniline/copper oxide nano composite in the presence of surfactant**” Proceedings of Int. Conference RAMSB-2018, Page 399-402. [ISBN 978-93-5291-953-6].
Niranjana M, Yesappa L, Ashokkumar S P, Vijeth H, Vandana M, Basappa M, Devendrappa H*
18. A paper entitled “**PEO/PVP blend polymer electrolytes: structural and optical property studies**” Proceedings of Int. Conference RAMSB-2018, Page 441-444. [ISBN 978-93-5291-953-6].
Basappa M, Yesappa L, Niranjana M, Ashokkumar S P, Vijeth H, Devendrappa H*
19. A paper entitled “**Structural and surface morphology of Methylene red dye doped PMMA films**” Proceedings of Int. Conference RAMSB-2018, Page 392-395. [ISBN 978-93-5291-953-6].
Vijeth H, Yesappa L, Niranjana M, Ashokkumar S P, Vandana M, Devendrappa H*
20. A paper entitled “**Electron Beam Irradiated Polymer Electrolyte Film: Morphology, Dielectric and AC Conductivity Studies**” AIP Conference Proceedings **1953**, 050006 (2018); DOI: 10.1063/1.5032661.
L. Yesappa, M. Niranjana, S. P. Ashokkumar, H. Vijeth, S. Ganesh, and H. Devendrappa*.
21. A paper entitled “**Structure, dielectric, thermal and I-V studies of electron beam irradiated PVDF-HFP/LiClO4 electrolyte film**” AIP Conference Proceedings **1953**, 050059 (2018); DOI: 10.1063/1.5032714.
L. Yesappa, M. Niranjana, S. P. Ashokkumar, H. Vijeth, M. Basappa, S. Ganesh, and H. Devendrappa*
22. A paper entitled “**Structural and Optical Band Gap of PEO/PVP Polymer Blend** ” AIP Conference Proceedings **1953**, 140045 (2018); DOI: 10.1063/1.5033220.
M. Basappa, L. Yesappa, M. Niranjana, S. P. Ashokkumar, M. Vandana, H. Vijeth, and H. Devendrappa*.
23. A paper entitled “**Surface Morphology and Improved Electrical Conductivity of Camphorsulfonic acid Surfactant Based PANI Nano Composite**” AIP Conference Proceedings **1953**, 030007 (2018); DOI: 10.1063/1.5032342.
M. Niranjana, L. Yesappa, S. P. Ashokkumar, H. Vijeth, and H. Devendrappa*.
24. A paper entitled “**Enhanced Optical and Electrochemical Properties of Polyaniline/Cobalt oxide Nano Composite**” AIP Conference Proceedings **1953**, 030224 (2018); DOI: 10.1063/1.5032559.
M. Niranjana, L. Yesappa, S. P. Ashokkumar, H. Vijeth, M. Basappa, and H. Devendrappa*.

25. A paper entitled “**Investigation on Structural, Optical and Electrical Properties of Polythiophene-Al₂O₃ Composites**” AIP Conference Proceedings **1953**, 050008 (2018); DOI: 10.1063/1.5032663.
H. Vijeth, L. Yesappa, M. Niranjana, S. P. Ashokkumar, and H. Devendrappa*.
26. A paper entitled “**Electrical Conductivity and Morphology of Electrochemical Synthesized Polyaniline/CuO Nano Composites**” AIP Conference Proceedings **1953**, 030222 (2018); DOI: 10.1063/1.5032557.
S. P. Ashokkumar, L. Yesappa, H. Vijeth, M. Niranjana, and H. Devendrappa*
27. A paper entitled “**Surface Morphology and Electrochemical Studies on Polyaniline/CuO Nano composites**” AIP Conference Proceedings **1953**, 030095 (2018); DOI: 10.1063/1.5032430.
S. P. Ashokkumar, H. Vijeth, L. Yesappa, M. Niranjana, M. Vandana, M. Basappa, and H. Devendrappa*
28. A paper entitled “**Electron Beam Irradiated Polyaniline/LiClO₄ Composite: Structure, morphology studies**” in Proceedings of Int. Conference RAMSB-2018 ISBN 978-93-5291-953-6.
L. Yesappa, M. Niranjana, S. P. Ashokkumar, H. Vijeth, M. Vandana, M. G. Sanjeev and H. Devendrappa
29. A paper entitled “**Structural and Surface Morphology of Methylene red dye doped PMMA films.**” in Proceedings of Int. Conference RAMSB-2018 ISBN 978-93-5291-953-6.
H. Vijeth, L. Yesappa, M. Niranjana, S. P. Ashokkumar, M. Vandana, and H. Devendrappa*
30. A paper entitled “**Synthesis and Dielectric Properties of Polyaniline/Copper oxide nano composite in the presence of surfactant**” in Proceedings of Int. Conference RAMSB-2018 ISBN 978-93-5291-953-6.
M. Niranjana, L. Yesappa, S. P. Ashokkumar, H. Vijeth, M. Vandana, M. Basappa and H. Devendrappa*
31. A paper entitled “**PEO/PVP blend polymer electrolytes: structural and optical property studies**” in Proceedings of Int. Conference RAMSB-2018 ISBN 978-93-5291-953-6.
M. Basappa, L. Yesappa, M. Niranjana, S. P. Ashokkumar, H. Vijeth, and H. Devendrappa*
32. A paper entitled “**Electron Beam Irradiated Polymer Electrolyte Film: Morphology, Dielectric and AC Conductivity Studies**” AIP Conference Proceedings **1953**, 050006 (2018). DOI: 10.1063/1.5032661. [ISSN No. 1551-7616]. L. Yesappa, M. Niranjana, S. P. Ashokkumar, H. Vijeth, S. Ganesh, and H. Devendrappa*.
33. A paper entitled “**Structure, dielectric, thermal and I-V studies of electron beam irradiated PVDF-HFP/LiClO₄ electrolyte film**” AIP Conference Proceedings **1953**, 050059 (2018); DOI: 10.1063/1.5032714. [ISSN No. 1551-7616].

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34. A paper entitled “**Structural and Optical Band Gap of PEO/PVP Polymer Blend**”. AIP Conference Proceedings 1953, 140045 (2018). DOI: 10.1063/1.5033220. [ISSN No. 1551-7616]. M. Basappa, L. Yesappa, M. Niranjana, S. P. Ashokkumar, M. Vandana, H. Vijeth, and H. Devendrappa.
35. A paper entitled “**Surface Morphology and Improved Electrical Conductivity of Camphorsulfonic acid Surfactant Based PANI Nano Composite**” AIP Conference Proceedings 1953, 030007 (2018). DOI: 10.1063/1.5032342. [ISSN No. 1551-7616]. M. Niranjana, L. Yesappa, S. P. Ashokkumar, H. Vijeth, and H. Devendrappa.
36. A paper entitled “**Enhanced Optical and Electrochemical Properties of Polyaniline/Cobalt oxide Nano Composite**” AIP Conference Proceedings 1953, 030224 (2018). DOI: 10.1063/1.5032559. [ISSN No. 1551-7616]. M. Niranjana, L. Yesappa, S. P. Ashokkumar, H. Vijeth, M. Basappa, and H. Devendrappa.
37. A paper entitled “**Investigation on Structural, Optical and Electrical Properties of Polythiophene-Al₂O₃ Composites**” AIP Conference Proceedings 1953, 050008 (2018). DOI: 10.1063/1.5032663. [ISSN No. 1551-7616]. H. Vijeth, L. Yesappa, M. Niranjana, S. P. Ashokkumar, and H. Devendrappa*.
38. A paper entitled “**Electrical Conductivity and Morphology of Electrochemical Synthesized Polyaniline/CuO Nano Composites**” AIP Conference Proceedings 1953, 030222 (2018). DOI: 10.1063/1.5032557. [ISSN No. 1551-7616]. S. P. Ashokkumar, L. Yesappa, H. Vijeth, M. Niranjana, and H. Devendrappa.
39. A paper entitled “**Surface Morphology and Electrochemical Studies on Polyaniline/CuO Nano composites**” AIP Conference Proceedings 1953, 030095 (2018). DOI: 10.1063/1.5032430. [ISSN No. 1551-7616]. S. P. Ashokkumar, H. Vijeth, L. Yesappa, M. Niranjana, M. Vandana, M. Basappa, and H. Devendrappa.
40. A paper entitled “**Electron Beam irradiation effect on Structure, Morphology and, Optical Properties PVDF HFP/PEO Blend polymer electrolyte films**” in Matter: Int. J. Scie and Tech Conference Proceedings 2018. [ISSN No. 2454-5880]. L. Yesappa, M. Niranjana, S. P. Ashokkumar, H. Vijeth, M. Vandana, M. Basappa, J. Dwivedi, V. C. Petwal, G. Sanjeev and H. Devendrappa.
41. A paper entitled “**Synthesis, Characterization and Absorption Study of Aloe Vera doped Polyaniline Bio-Composite**” Materials Today: Proceedings 5 (2018) 21076–21081. [ISSN 2214-7853]. Yesappa L, Niranjana M, Ashokkumar SP, Vijeth H, Sharanappa C, Raghu S, Devendrappa H*.

42. A paper entitled "**Lower Optical Band Gap and Morphology of Electrochemically Synthesized Polyaniline/CuO Nanocomposite**" AIP Conference Proceedings (2019) 2115, 030059. Ashokkumar SP, Vijeth H, Yesappa L, Vandana M, Devendrappa H*.
43. A paper entitled "**Photocatalytic Degradation of Methylene Blue and Rhodamine B Using Polythiophene Nanocomposite under Visible and UV light**" AIP Conference Proceedings (2019) 2115, 030536. Vijeth H, Ashokkumar SP, Yesappa L, Vandana M and Devendrappa H*.
44. A paper entitled "**Synthesis and Characterization of Polypyrrole-Graphene Quantum Dots Nanocomposite for Supercapacitor Application**" AIP Conference Proceedings (2019) 2115, 030535. Vandana M, Ashokkumar SP, Vijeth H, Yesappa L, and Devendrappa H*.
45. A paper entitled on "**Influence of Nickel Oxide Nanoparticles on the Structure, Electrical and Dielectric Properties of Polypyrrole Nanocomposite**" AIP Conference Proceedings(2019) 2142, 150029. Vijeth H, Yesappa L, Ashokkumar SP, Vandana M, **Devendrappa H***.
46. A paper entitled on "**Morphology, optical band gap and electrochemical studies of electrochemically synthesized polyaniline/cobalt oxide**" AIP Conference Proceedings (2020), 1, 2220. SP Ashokkumar, H Vijeth, L Yesappa, **H Devendrappa***.
47. A paper entitled on "**Single crystalline hierarchical SnO₂ microsphere and fluoride-mediated hollow structures for photocatalytic activity**" Materials Today: Proceedings 2020, YS Nagaraju, H Ganesha, S Veerasha, M Vandana, SP Ashokkumar, H Vijeth, **H Devendrappa***.
48. A paper entitled "**Facile hydrothermal synthesis of Zn-doped SnO₂ for crystallographic facet-oriented polyhedral structure**" AIP conference proceedings, 2244, 080020 (2020), YS Nagaraju, H Ganesha, S Veerasha, M Vandana, SP Ashokkumar, H Vijeth, **H Devendrappa**.
49. A paper entitled "**Synthesis and characterization of reduced graphene oxide for energy storage application**" AIP conference proceedings, 2244, 080020 (2020), M Vandana, S P Ashokkumar, L Yesappa, H Vijeth, **H Devendrappa**.
50. A paper entitled "**Structure, morphology and optical properties of graphene oxide**" AIP conference proceedings, 2244, 080023 (2020), S Veeresh, H Ganesh, Y S Nagaraju, M Vandana, S P Ashokkumar, L Yesappa, H Vijeth, **H Devendrappa**.

51. A paper entitled **“Structure and optical band gap study of electrochemically synthesized polyaniline/ZnO nanocomposite for energy storage devices” AIP conference proceedings, 2244, 080027 (2020), S P Ashokkumar, H Vijeth, L Yesappa, S Veeresh, H Ganesh, Y S Nagaraju, M Vandana, H Devendrappa.**
52. A paper entitled **“Polymer quantum dots composite for electrochemical glucose detection” AIP conference proceedings, 2244, 080024 (2020), H Ganesh, S Veeresh, Y S Nagaraju, M Vandana, S P Ashokkumar, H Vijeth, L Yesappa, H Devendrappa.**
53. A paper entitled **“Electron beam irradiation effect on polymer blend electrolyte films: Thermal and conductivity studies” AIP conference proceedings, 2244, 080017 (2020), L Yesappa, S P Ashokkumar, H Vijeth, M Vandana, M Basappa, M Niranjana, H Devendrappa.**
54. A paper entitled **“Structure, morphology and optical properties of CuO nano particles immersed PANI/Li composite” AIP conference proceedings, 2244, 080016 (2020), L Yesappa, S P Ashokkumar, H Vijeth, H Ganesh, S Veeresh, Y S Nagaraju, M Basappa, M Niranjana, H Devendrappa.**
55. A paper entitled **“Cyclic voltammetry, morphology and thermal studies of electrochemically synthesized PANI/CuO nanocomposite for supercapacitor application” AIP conference proceedings, 2244, 080026 (2020), S P Ashokkumar, H Vijeth, L Yesappa, S Veeresh, H Ganesh, Y S Nagaraju, M Vandana, H Devendrappa.**
56. A paper entitled **“Enhanced the thermal properties of camphor sulfonic acid surfactant based PANI nanocomposite” AIP conference proceedings, 2244, 080008 (2020), M Niranjana, L Yesappa, S P Ashokkumar, H Vijeth, H Devendrappa, Y Vrushabhendrapa, K S Basavarajappa.**
57. A paper entitled **“Enhanced optical and thermal properties of polyaniline/copper oxide nanocomposite in the presence of camphor sulfonic acid surfactant” AIP conference proceedings, 2244, 080007 (2020), M Niranjana, L Yesappa, H Devendrappa, D Manjunath, S Sathisha, M Vandana, S P Ashokkumar, H Vijeth.**
58. A paper entitled **“To study the synthesis and characterization of ZnO hexagonal nano cubes with hydrothermal growth and formation mechanism” AIP conference proceedings, 2244, 080021 (2020), Y S Nagaraju, H Ganesh, S Veeresh, M Vandana, S P Ashokkumar, H Vijeth, H Devendrappa.**
59. A paper entitled **“Synthesis of nanorod structured polyaniline nanofiber for high electrochemical efficiency” AIP conference proceedings, 2244, 080025 (2020), H Ganesh, S Veeresh, Y S Nagaraju, M Vandana, S P Ashokkumar, L Yesappa, H Vijeth, H Devendrappa.**

60. A paper entitled **“Synthesis and characterization of reduced graphene oxide nanocomposite” AIP conference proceedings**, 2244, 080019 (2020), S Veeresh, H Ganesh, Y S Nagaraju, M Vandana, S P Ashokkumar, L Yesappa, H Vijeth, **H Devendrappa**.
61. A paper entitled **“Morphology, optical band gap and dielectric properties of PEO/PVP polymer blend film” AIP conference proceedings**, 2244, 080018 (2020), M Basappa, L Yesappa, S P Ashokkumar, H Vijeth, **H Devendrappa**.
62. A paper entitled **“Alternating current response studies on polyaniline-neodymium oxide composites” AIP conference proceedings**, 2244, 080009 (2020), S Manjunatha, YT Ravikiran, B Chethan, **H Devendrappa**, T Machappa
63. A paper entitled **“AC frequency-dependent dielectric studies of polypyrrole composites” AIP conference proceedings**, 2244, 080005 (2020), A Sunilkumar, S Manjunatha, YT Ravikiran, **H Devendrappa**, T Machappa.
64. A paper entitled **“Enhanced electrochemical properties of polyblend electrolyte on quartz plate by spin-coating: Energy storage devices” AIP conference proceedings**, 2244, 080014 (2020), Thalari Chandrashekar, Ramachandrappa Megha, Basavalingappa Chethan, Yaled Thippeswamy Ravikiran, Nagappa Sasidhar, **Hundekal Devendrappa**.
65. A paper entitled **“Room temperature alternating current response of polypyrrole/magnesium oxide composite” AIP conference proceedings**, 2244, 080012 (2020), Chapi Sharanappa and **Hundekal Devendrappa**.
66. A paper entitled **“Polypyrrole/magnesium oxide composite as room temperature operable humidity sensor” AIP conference proceedings**, 2244, 080006 (2020), Basavalingappa Chethan, Hotte Gowdru Raj Prakash, Yaled Thippeswamy Ravikiran, Shekarappa Pratibha, Nagappa Sasidhar, **Hundekal Devendrappa**, Manohar Prashantkumar.

III. International/national Conferences attended and papers presented:

1. Participated in International Conference of **“SHIMEC-98** “at Nuclear Science Center New Delhi on 19th - 22nd Oct 1998.
2. Participated and presented a paper on **“Quantum 1/f Noise in Radioactive Decay’** in the National Seminar of “Major Land Mark on Physics in the 20th Century.
3. Participated in the Workshop of **SHIPIM-2000** at Poona University Pune conducted by Nuclear Science Center New Delhi on 20th Oct. 2000.
4. Participated in the Workshop of **“Laser Experiments** “at Department of Physics, Gulbarga University, Gulbarga on 23rd January 2001.

5. Participated and presented a paper on “**Study of D C Conductivity and Battery Application of PEO/PANI Composites**” in International Seminar of “Advances in Polymer Technology 2004 (APT-2004)” from Jan. 16-17, 2004, at Department of Polymer Science and rubber Technology, Cochin University, Kochi.
Devendrappa .H., U.V. Subba Rao and M.V.N.Ambika Prasad
6. Participated & presented a paper on “**AC Conductivity & Dielectric Properties of Polyethylene Oxide/Polyaniline Composites**” National Seminar on Ferroelectrics & Dielectrics (NSFD-III)” at Univ. of Delhi 23 - 25th Nov. 2004.
Devendrappa .H. and M.V.N.Ambika Prasad
7. Participated and presented the paper entitled “**AC Conductivity and Dielectric Properties of Polyethylene Oxide & its composites**” in National Seminar on “Advance Materials in Science (AMS-06), Gulbarga University, Gulbarga from 9th-10th Jan. 2006.
Devendrappa .H. and M.V.N.Ambika Prasad.
8. Participated in the One day Workshop on “Industrial Corrosion Awareness &Prevention” held in Mangalore University On 25th February 2006.
9. Participated and presented A paper entitled “**Study Of AC Conductivity and Dielectric Constant of PEO/PANI Composites**” Proceedings of the DAE SSP Symposium, Vol. 51 (2006). P235-36.
Devendrappa. H and M.V.N. Ambika Prasad
10. Participated and presented the paper entitled “**Electrochemical Stability of Polyethylene Oxide with Conducting Polyaniline Composite**” in international conference on POLYCHAR-16, held at Department of Physics, Lucknow University Lucknow, India. 17-21st Feb.2008.
Devendrappa .H. and M.V.N.Ambika Prasad
11. Participated& presented the paper entitled “**Optical Property and Electrical Conductivity for (PEO+NiSO₄) Polymer Electrolytes**” in international conference on ICFMAT 2009, held at Velammal Engineering College Chennai, India during 29-30th Jan.2009.
Devendrappa H and M V N Ambika Prasad
12. Participated & presented a paper entitled “**Studies On Optical Band Gap & Electrical Conductivity Of (PEO+NiSO₄) Polymer Electrolytes**” in Polychar 17, World Forum on Advanced Materials, organized at **Rouen University, France** in 20-24th April 2009.
Devendrappa H & M V N Ambika Prasad
13. Participated & Presented a paper entitled “**Structural, Optical & Electrical Conductivity Of Doped Polymer Electrolytes Thin Films**” in SCMP-2009, held at IIT-Guwahati Assam, India during 31st Oct.- 1st Nov. 2009.
Subramanya Kilarkaje, Manjunatha V, **Devendrappa H.**

14. Participated and presented a paper entitled **“Studies On Optical Properties and Electrical Conductivity Of (PEO+Methyl Violet) Polymer Electrolytes”** in **“APA-2009”** organized by Asian Polymer Association at Dept. of Textile Technology, I I T New Delhi from 17th-20th Dec. 2009.
Subramanya Kilarkaje, Manjunatha V, **Devendrappa H**
15. Participated & presented a paper entitled **“Impact Of Transition Metal Halide On The Optical and Electrical Characterization Of Polymer Electrolyte Films”** in POLYCHAR-18, World Forum on Advanced Materials, organized at Seigen University, Seigen Germany from 7-10th April 2010.
Subramanya Kilarkaje, Manjunatha V, **Devendrappa H.**
16. Participated & presented a paper entitled **“Effect Of Electron Beam Irradiation On The Optical Properties Of Doped Polymer Electrolyte Films”** in International Conference on Physics of Emerging Functional Materials (PEFM-2010) Bhabha Atomic Research Center, Mumbai 400 085, India from 22th-24th Oct. 2010.
Subramanya Kilarkaje, Manjunatha V, **Devendrappa H**
17. Participated & presented a paper entitled **“Synthesis, Optical and Electrical Characterization Of Barium Sulphate Doped Polyaniline”** in MACRO-2010 International conference organized by The Society for polymer science, IIT New Delhi from 15th-17th Dec. 2010.
Subramanya Kilarkaje, Manjunatha V, & Devendrappa H
18. Participated & presented a paper entitled **“8 MeV Electron Induced Modifications In The Optical Properties Of Doped Polymer Electrolyte Films”** in International Conference on Materials for Advanced Technologies (ICMAT 2011) organized by the Materials Research Society of Singapore from 26 June to 1 July, 2011 at International Convention & Exhibition Centre, Singapore.
Subramanya Kilarkaje, **Devendrappa H.**
19. Participated & presented a paper entitled **“Synthesis, Characterization and Optical Properties Of Manganese Sulphate Doped Polyaniline”** in the 6th biennial International Conference on Materials for Advanced Technologies (ICMAT 2011) organized by the Materials Research Society of Singapore will be held from 26 June to 1 July, 2011 at International Convention & Exhibition Centre, Singapore.
Subramanya Kilarkaje, Raghu S, **Devendrappa H**
20. Participated & presented a paper entitled **“Structural, Thermal Studies and Ionic Conductivity Of Doped Polymer Electrolytes”** in the 56th DAE-SSP Organized by SRM University, Kattankulatturu, Chennai, Tamilnadu, India during 19-23rd Dec., 2011.
Subramanya Kilarkaje, Raghu S, **Devendrappa H.**
21. Participated & presented a paper entitled **“AC Conductivity and Dielectric Relaxation Of Polymer Complexes”** in 56th DAE-SSP Organized by SRM University, Kattankulatturu, Chennai, Tamilnadu, India during 19-23rd Dec., 2011.
Subramanya Kilarkaje, Raghu S, **Devendrappa H.**

22. Participated & presented a paper entitled “ **Studies On Structural, Optical and Cluster Size Of doped Polyaniline** ” in International Conference, ICAM-2012, during 5-7th Jan. 2012, at Loyola College Chennai, Tamilnadu, India
Subramanya Kilarkaje, Raghu S, **Devendrappa H**
23. Participated & presented a paper entitled “**Transport & Optical Properties Of Synthesized PANI-BaSO₄ Composite**” in International Conference, ICAM-2012, During 5-7th Jan.2012, at Loyola College Chennai, Tamilnadu, India
Subramanya Kilarkaje, Raghu S, **Devendrappa H.**
24. Participated & presented a paper entitled “**A Study Of Optical & Dielectric Properties Of 8mev Electron Irradiated Polymer Electrolyte Film**” in International Conference, ICAM-2012, during 5-7th Jan. 2012, at Loyola College Chennai, Tamilnadu, India
Subramanya Kilarkaje, Raghu S, **Devendrappa H**
25. Participated & presented a paper entitled “**Ionic Conductivity & Electro Chemical Parameters Of Doped Polymer Film**” in 1st International Conference, ICPM-MDF-2012, during 17-19th Jan. 2012, at Shivaji University, Kolhapur, India
Subramanya Kilarkaje, Raghu S, **Devendrappa H**
26. Participated & presented a paper entitled “**Dielectric Studies on PEO-Cadmium Sulphide Polymer Electrolytes**” in 1st International Conference, ICPM- MDF-2012, during 17-19th Jan. 2012, at Shivaji University, Kolhapur, India.
Raghu S, Subramanya Kilarkaje, **Devendrappa H.**
27. Participated and presented a Paper entitles “**Electron Beam Induced Modifications in The Conductivity and Dielectric Properties Of Polymer (PEO-LiSO₄) System**” in “3rd international conference on natural polymers, biopolymers, polymer electrolytes, blends: macro to nano scales (ICNP 2012). Mahatma Gandhi University, Kottayam, Kerala. Oct. 26-28th 2012.
Raghu S, Subramanya Kilarkaje, Ganesh Sanjeev, **Devendrappa H***
28. Participated and presented a Paper entitles “**Electrical Conductivity & Dielectric Spectroscopy of EB Irradiated Polymer Electrolyte Film**” in “3rd international conference on natural polymers, biopolymers, polymer electrolytes, blends: macro to nano scales (ICNP 2012). Mahatma Gandhi University, Kottayam, Kerala. Oct. 26-28th 2012.
Raghu S, Subramanya Kilarkaje, Ganesh Sanjeev, **Devendrappa H***
29. Participated and presented a Paper entitles “**Structural, Optical and Electrical Conductivity Properties of PEO-Li₂SO₄ Polymer System**” in “3rd international conference on natural polymers, biopolymers, polymer electrolytes, blends: macro to nano scales (ICNP 2012). Mahatma Gandhi University, Kottayam, Kerala. Oct. 26-28th 2012.
Raghu S, Subramanya Kilarkaje, Ganesh Sanjeev, **Devendrappa H***
30. Participated and presented a paper entitled “**Electron Beam Induced changes in Dielectric Properties of Polymer Electrolyte films**” in International Conference on Recent Advances in Material Science (RAMS-2012), Bangalore. Nov. 6-8th 2012.
Raghu S, Subramanya Kilarkaje, Ganesh Sanjeev, **Devendrappa H**

31. Participated and presented a paper entitled **“Study the Conductivity and Dielectric Properties of Electron Beam Irradiated Polymer electrolyte Film”** in International Conference on Recent Advances in Material Science (RAMS-2012), Bangalore. Nov. 6-8th 2012.
Devendrappa H, Raghu S, Subramanya Kilarkaje, Ganesh Sanjeev
32. Participated and presented a paper entitled **“Characterization, optical and transport properties of doped Polyaniline”** in International Conference on Recent Advances in Material Science (RAMS-2012), Bangalore. Nov. 6- 8th 2012.
Subramanya Kilarkaje, Raghu S, **Devendrappa H**, Ganesh Sanjeev.
33. Participated and presented a paper entitled **“Optical and Dielectrics Modification of Irradiated Polymer Electrolyte film”** in APA-2013 International Conference on Polymers on Frontiers Science & Technology was held at Punjab University Chandigarh Feb.21-23 2013.
Raghu S, Subramanya Kilarkaje, Ganesh Sanjeev, **Devendrappa H***
34. Participated and presented a paper entitled **“Optical band gaps and structural properties of PEO doped with Methyle blue”** in ICAPM-2013 International Conference on Advanced Polymeric materials was held at MG University Kottayam, Kerala. from Oct. 11-13-2013.
Archana K, Raghu S, Subramanya K, Sharanappa Chapi, Mini V, **Devendrappa H***
35. Participated and presented a paper entitled **“Investigate the AC conductivity and Optical Property of polyethylene oxide based complex films”** in ICAPM-2013 International Conference on Advanced Polymeric materials was held at MG University, Kottayam, Kerala. from Oct. 11-13-2013.
Sharanappa Chapi, Manjunatha V, Archana K, Raghu S, Subramanya K, Mini V, **Devendrappa H***
36. Participated and presented a paper entitled **“Structural, Morphological and Optical Studies of Polyaniline Nano Clay Composites”** presented in ICAPM-2013 International Conference on Advanced Polymeric materials was held at MG University, Kottayam, Kerala. from Oct. 11-13-2013.
Mini V, Archana K, Raghu S, Subramanya K, Sharanappa Chapi, **Devendrappa H***
37. Participated and presented a paper entitled **“Dielectric Studies on Polyaniline ano Clay Composites’**presented in IUMRS ICA-2013 International Conference on Advanced Polymeric materials was held at IISc Bangalore, Karnataka from Dec.16-20th 2013.
Mini V, Archana K,Raghu S, Subramanya K, Sharanappa Chapi,Revenasiddappa M, **Devendrappa H***
38. Participated and presented a paper entitled **“The Change in Dielectric Constant, AC Conductivity & Optical Band Gaps of Polymer Electrolyte Film: Gamma Ray Irradiation”** in 58th DAE-Solid State Physics Symposium 2013 was held at Tapar University, Punjab. from Dec. 17-21-2013.
Raghu S, Subramanya K, Sharanappa Chapi, Archana K, Mini V, **Devendrappa H***

39. Participated and presented a paper entitled “**Conductivity and Optical Band Gaps of Polyethylene Oxide Doped with Li₂SO₄ Salt**” in 58th DAE-Solid State Physics, Symposium 2013 was held at Tapar University, Punjab. from Dec. 17-21-2013.
Sharanappa Chapi, Raghu S, Subramanya K, Archana K, Mini V, **Devendrappa H***
40. Participated and presented a paper entitled “**Optical Transmittance & Reflectance of Methyl Blue Dye Doped Polyethylene Oxide Films**” in APA-2014 International Conference on Polymer: Vision & Innovation was held at I I T New Delhi, Feb.19-21 2014.
Archana K, Raghu S, Subramanya K, Sharanappa Chapi, Mini V, **Devendrappa H***
41. Participated and presented a paper entitled “**Polyaniline/chitosan/Co₃O₄ Nano Composite - Structural and Optical Studies**” in APA-2014 International Conference on Polymer: Vision & Innovation was held at I I T New Delhi, Feb.19-21 2014.
Mini V, Archana K, Raghu S, Subramanya K, Sharanappa Chapi, **Devendrappa H***
42. Participated and presented a paper entitled “**Electron Beam and Gamma Ray Irradiated Polymer Electrolyte Films: Dielectric Properties**” in APA-2014 International Conference on Polymer: Vision & Innovation was held at I I T New Delhi, Feb.19-21 2014.
Raghu S, Subramanya K, Ganesh Sanjeev, Nagaraja G K, **Devendrappa H***
43. Participated and presented a paper entitled “**Investigate the AC Conductivity and Optical Band Gaps in Polyethylene Oxide Based Complexes Solid Electrolyte Films**” in APA-2014 International Conference on Polymer: Vision & Innovation was held at I I T New Delhi, Feb.19-21 2014.
Sharanappa Chapi, Manjunatha V, Raghu S, Subramanya K, Mini V, Archana K, **Devendrappa H***
44. Participated and presented a paper entitled “**Transport Property of Polyaniline Clay-Nano Composites**” in “**ICMCT 2014**” International Conference on Materials and Characterization techniques, held in VIT University Vellore Tamilnadu during 10-12, March 2014.
Mini V, Archana K, Raghu S, Subramanya K, Sharanappa Chapi, Revanasiddappa M, **Devendrappa H***
45. Participated and presented a paper entitled “**Thermal and Fluorescence Spectroscopic Studies on Dyed Polymer Films**” in “**ICMCT 2014**” International Conference on Materials and Characterization techniques, held in VIT University Vellore Tamilnadu during 10-12, March 2014.
Archana K, Mini V, Subramanya K, Raghu S, Sharanappa Chapi, **Devendrappa H***
46. Participated and presented a paper entitled “**Studying the Effect of KCl Addition on the Optical Properties and morphological of the solid polymer electrolyte film**” in “**ICMCT 2014**” International Conference on Materials and Characterization techniques, held in VIT University Vellore Tamilnadu during 10-12, March 2014.
Sharanappa Chapi, Raghu S, Subramanya K, Archana K, Mini V, **Devendrappa H***

47. Participated and presented a paper entitled **“Polymer Degradation Due to Irradiation”** in **“ICMCT 2014”** International Conference on Materials and Characterization techniques, held in VIT University Vellore Tamilnadu during 10-12, March 2014.
Devendrappa H, Raghu S, Subramanya K, Ganesh Sanjeev
48. Presented a paper entitled **“Influence of Cobalt (II) chloride addition on the Structural, Optical, Thermal, and Conductivity properties of PEO solid Polymer electrolyte films”** Indo-US workshop on **Advanced Materials And Their Applications IN Nanotechnology (AMAN 2014)** held in BITS Pilani, KK Birla Goa Campus during 17-19 May 2014.
Sharanappa Chapi, Raghu S, Mini V, Archana K, Devendrappa H*
49. Participated and presented a paper entitled **“Six Fold Increase the Ionic Conductivity in Divalent Cobalt Ions Doped Polyethylene Oxide Complexes Film”** presented in ICCPC-2014 International Conference on Advanced Polymeric materials was held at MG University, Kottayam, Kerala. from Oct. 11-13-2014.
Devendrappa H*Sharanappa Chapi
50. Participated and presented a paper entitled **“Microsphere Polyaniline/Dodecylbenzene Sulfonic Acid Composites for Electrochemical Performance”** presented in RAINSAT-2015 International Conference on Recent Advancement in Science & Technology was held at, Sathyabama University Chennai from 8-10th July 2015.
Niranjana M, Sharanappa Chapi, Archana K Raghu S and **Devendrappa H**
51. Participated and presented a paper entitled **“Optical, Thermal and Fluorescence Properties of Spin-Coated Solid Polymer Electrolyte Film”** presented in RAINSAT-2015 International Conference on Recent Advancement in Science & Technology was held at, Sathyabama University Chennai from 8-10th July 2015.
Sharanappa Chapi and **Devendrappa H**
52. Participated and presented a paper entitled **“In-Situ Chemical Synthesis and Characterizations of Polyaniline Dodecylbenzene Sulfonic Acid Doped Nano Composite”** presented in RAINSAT-2015 International Conference on Recent Advancement in Science & Technology was held at, Sathyabama University Chennai from 8-10th July 2015.
Niranjana M, Sharanappa Chapi, Archana K Raghu S and **Devendrappa H**
53. Presented a presented a paper entitled **“Effect of Methyl Red Dye on Dielectric and Conductivity Properties of PEO/CdCl₂ Electrolytes”** presented in icc-2015 International Conference on Recent Advancement in Science & Technology was held at Govt. Eng. College Bikaner from 30-31st Oct. 2015.
Archana Kamath Raghu S and **Devendrappa H**.
54. Presented a paper entitled **“Study of Structural and Thermal Properties of Polyaniline-V₂O₅ Composites”** presented in the **Nanoscience, Nanotechnology & Advanced Materials in Visakapatnam**, 14th – 17th December 2015 .
Niranjana M, Sharanappa Chapi, Raghu S, Devendrappa H.
55. Presented a paper entitled **“ Influence of Zinc Nanoparticles Concentration on the Properties of Poly(ethylene oxide)/Poly(vinylpyrrolidone)/Zinc oxide Polymer**

Nanocomposites” presented in the Nanoscience, Nanotechnology & Advanced Materials in Visakapatnam, 14th – 17th December 2015 .

Niranjana M, Sharanappa Chapi, Raghu S, Devendrappa H.

56. Participated and presented a paper entitled “**Ternary Polyaniline Nano Composites for High Performance of Super capacitor Applications**” presented in ICTmech-2016 International Conference on Material Science & Technology was held at University of Delhi, Delhi from 1-4th March 2016.

Niranjana M, Sharanappa Chapi, Yesappa L, Archana K Raghu S and **Devendrappa H**.

57. Participated and presented a paper entitled “**In-Situ Chemical Synthesis of PANI Dodecylbenzene Sulfonic Acid Doped Vanadium pentoxide: Optical and Electrical Properties** ” presented in ICTmech-2016 International Conference on Material Science & Technology was held at, University of Delhi, Delhi from 1-4th March 2016.

Niranjana M, Sharanappa Chapi, Yesappa L, Archana K, Raghu S and **Devendrappa H**

58. Participated and presented a paper entitled “ **Optical Absorption and Morphology of Bio-Intercalated Polyaniline Composites** ” presented in ICTmech-2016 International Conference on Material Science & Technology was held at, University of Delhi, Delhi from 1-4th March 2016.

Yesappa L, Niranjana M, Sharanappa Chapi, Archana K, Ragh S and **Devendrappa H***

59. Participated and Presented a paper entitled “ **Synthesis, Characterization and Absorption Study of Aloe Vera doped Polyaniline Bio-Composite**” presented in the ICSEM-2016 International Conference On Smart Engineering Materials, was held in RV college of Engineering Bengaluru, during 20-22 October 2016.

L Yesappa, H Vijeth, M Niranjana, Sharanapaa Chapi, S Raghu, S Ashokkumar and **H Devendrappa***

60. Participated and Presented a paper entitled “**Optical, Electrical and Morphological Properties of Polyaniline Composites In The Presence of Chemical Oxidation Method** ” presented in the ICSEM-2016 International Conference On Smart Engineering Materials, was held in RV college of Engineering Bengaluru during 20-22 October 2016.

M Niranjana, L Yesappa, Sharanapaa Chapi, S Raghu, S Ashokkumar, H Vijeth and **H Devendrappa***

61. Participated and Presented a paper entitled “ **Synthesis, Morphology and Optical Band Gap Studies of CuO Nano Particles Immersed Li/PANI Composite** ” presented in the ISMC-2016, 6th Interdisciplinary Symposium on Materials Chemistry, held in BARC Mumbai during 6-10 December 2016.

Yesappa L, Niranjana M, Ashokkumar S P, Vijeth H, Ragh S and **Devendrappa H***

62. Participated and Presented a paper entitled “ **Structure, Morphology and Optical Studies of Li⁺ doped Polyaniline Composite** ” presented in the 61st DAE Solid State Physics Symposium, was held at KIIT University Bhubaneswar, during 26-30 December 2016.

Yesappa L, Niranjana M, Ashokkumar S P, Vijeth H, Sharanappa Chapi, Ragh S, **Devendrappa H***

63. Participated and Presented a paper entitled “ **Optical and Electrical Studies of Vanadium Pentaoxide Doped Polyaniline Composite** ” presented in the 61st DAE Solid State Physics Symposium, was held at KIIT University Bhubaneswar during 26-30 December 2016.
Niranjana M, Yesappa L, Ashokkumar S P, Vijeth H, Sharanappa Chapi, Ragh S, **Devendrappa H***
64. Participated and Presented a paper entitled “ **Surfactant Assisted Surface Morphology and Thermal Properties of Polythiophene Composites** ” presented in the Optics’17 A Conference on Light, was held in Calicut Kerala during 9-11 January 2017.
Vijeth, Ashokkumar S P, Yesappa L, Niranjan M, **Devendrappa H***
65. Participated and presented a paper on “**Synthesis, Characterization, Thermal and Temperature dependent Conductivity Studies of Lithium doped Polyaniline Composite**” in 4th International Conference on Nanoscience and Nanotechnology (ICONN2017) held at SRM University, Chennai, Tamilnadu during 9-11 Aug 2017.
Yesappa L, Niranjana M, Ashokkumar S P, Vijeth H, Devendrappa H*
66. Participated and presented a paper on “**Study of Structural and Thermal Properties of Polyaniline-V₂O₅ composites**” in 4th International Conference on Nanoscience and Nanotechnology (ICONN2017) held at SRM University, Chennai, Tamilnadu during 9-11 Aug 2017.
Niranjana M, Yesappa L, Ashokkumar S P, Vijeth H, Devendrappa H*
67. Participated and presented a paper on “**Lowering Optical Band Gap, Structure and Surface Morphological Studies of Polyaniline Nano composites**” in 4th International Conference on Nanoscience and Nanotechnology (ICONN2017) held at SRM University, Chennai, Tamilnadu during 9-11 Aug 2017.
Ashokkumar S P, Yesappa L, Niranjana M, Vijeth H, Devendrappa H*
68. Participated and presented a paper on “**Increased Porous Morphology And Thermal Degradation Of Electron Beam Irradiated PVDF-HFP/LiClO₄ Polymer Electrolyte**” in International Conference on 'Accelerators in Materials and Medical Sciences' 2017 (ICAMMS-2017) held at Amity University, Dubai Campus, Dubai during 5-7 Oct 2017.
Yesappa L, Niranjana M, Ashokkumar S P, Vijeth H, Ganesh S, Devendrappa H*
69. Participated and presented a paper on “**Morphology and Ionic Conductivity Studies of PVDF HFP/LiClO₄ Electrolyte Film Before and After Electron Beam Irradiation**” in International Conference on International Conference on Advances in Polymer Science & Technology (APA-2017) held at Radisson Blu Hotel, New Delhi, during 23-25 November 2017.
Yesappa L, Niranjana M, Ashokkumar S P, Vijeth H, Devendrappa H*
70. Participated and presented orally on “**Structural and Optical Property Studies in 8 MeV Electron Beam Irradiated PVDF HFP Doped with LiClO₄ Electrolyte Film**” in International Conference on International Conference on Advances in Polymer Science & Technology (APA-2017) held at Radisson Blu Hotel, New Delhi, during 23-25 November 2017.
Yesappa L, Niranjana M, Ashokkumar S P, Vijeth H, Devendrappa H*

71. Participated and presented a paper on **“Optical, Electrical and Electrochemical Studies of copper oxide nanoparticles embedded polyaniline nanocomposites”** in International Conference on International Conference on Advances in Polymer Science & Technology (APA-2017) held at Radisson Blu Hotel, New Delhi, during 23-25 November 2017.
Niranjana M, **Yesappa L**, Ashokkumar S P, Vijeth H, Devendrappa H*
72. Participated and presented a paper on **“Structural and Thermal Properties of Polyaniline/ Copper Oxide Nano Composites”** in International Conference on International Conference on Advances in Polymer Science & Technology (APA-2017) held at Radisson Blu Hotel, New Delhi, during 23-25 November 2017.
Ashokkumar S P, Vijeth H, **Yesappa L**, Niranjana M, Devendrappa H*
73. Participated and presented a paper on **“Electron Beam Irradiated Polymer Electrolyte Film: Morphology, Dielectric and AC Conductivity Studies”** in 2nd International Conference on Condensed Matter & Applied Physics (ICC-2017) held at Govt. Engineering College, Bikaner-Rajasthan during 24-25 November 2017.
Yesappa L, Niranjana M, Ashokkumar S P, Vijeth H, Ganesh S, Devendrappa H*
74. Participated and presented a paper on **“Structure, Dielectric, Thermal and I-V Studies of Electron Beam Irradiated PVDF-HFP/LiClO₄ electrolyte film”** in 2nd International Conference on Condensed Matter & Applied Physics (ICC-2017) held at Govt. Engineering College, Bikaner-Rajasthan during 24-25 November 2017.
Yesappa L, Niranjana M, Ashokkumar S P, Vijeth H, Basappa M, Ganesh S, Devendrappa H*
75. Participated and presented a paper on **“Surface Morphology and Improved Electrical Conductivity of Camphorsulfonic acid Surfactant Based PANI Nano Composite”** in 2nd International Conference on Condensed Matter & Applied Physics (ICC-2017) held at Govt. Engineering College, Bikaner-Rajasthan during 24-25 November 2017.
Niranjana M, **Yesappa L**, Ashokkumar S P, Vijeth H, Devendrappa H*
76. Participated and presented a paper on **“Enhanced Optical and Electrochemical Properties of Polyaniline/Cobalt oxide Nano Composite”** in 2nd International Conference on Condensed Matter & Applied Physics (ICC-2017) held at Govt. Engineering College, Bikaner-Rajasthan during 24-25 November 2017.
Niranjana M, **Yesappa L**, Ashokkumar S P, Vijeth H, Basappa M, Devendrappa H*
77. Participated and presented a paper on **“Electrical Conductivity and Morphology of Electrochemical Synthesized Polyaniline/CuO Nano Composites”** in 2nd International Conference on Condensed Matter & Applied Physics (ICC-2017) held at Govt. Engineering College, Bikaner-Rajasthan during 24-25 November 2017.
Ashokkumar S P, **Yesappa L**, Vijeth H, Niranjana M, Devendrappa H*
78. Participated and presented a paper on **“Surface Morphology and Electrochemical Studies on Polyaniline/CuO Nano composites”** in 2nd International Conference on Condensed Matter & Applied Physics (ICC-2017) held at Govt. Engineering College, Bikaner-Rajasthan during 24-25 November 2017.

Ashokkumar S P, Vijeth H, **Yesappa L**, Niranjana M, Vandana M, Basappa M, Devendrappa H*

79. Participated and presented a paper on **“Structural and Optical Band Gap of PEO/PVP Polymer Blend”** in 2nd International Conference on Condensed Matter & Applied Physics (ICC-2017) held at Govt. Engineering College, Bikaner-Rajasthan during 24-25 November 2017.
Basappa M, **Yesappa L**, Niranjana M, Ashokkumar S P, Vandana M, Vijeth H, Devendrappa H*
80. Participated and presented a paper on **“Investigation on Structural, Optical and Electrical Properties of Polythiophene-Al₂O₃ Composites”** in 2nd International Conference on Condensed Matter & Applied Physics (ICC-2017) held at Govt. Engineering College, Bikaner-Rajasthan during 24-25 November 2017.
Vijeth H, **Yesappa L**, Niranjana M, Ashokkumar S P, Devendrappa H*
81. Participated and presented a paper on **“Morphology, Optical and Ionic Conductivity Studies of Electron Beam Irradiated Polymer Electrolyte Film”** in 62nd DAE Solid State Physics Symposium (DAE SSPS 2017) held at BARC, DAE Convention Centre, Anushaktinagar, Mumbai, Maharashtra on 26-30 Dec 2017.
Devendrappa H, **Yesappa L**, Niranjana M, Ashokkumar S P, Vijeth H, Ganesh S.
82. Participated and presented a paper on **“Polythiophene nanocomposites as high performance electrode material for supercapacitor application”** in 62nd DAE Solid State Physics Symposium (DAE SSPS 2017) held at BARC, DAE Convention Centre, Anushaktinagar, Mumbai, Maharashtra on 26-30 Dec 2017.
Vijeth H, Niranjana M, **Yesappa L**, Ashokkumar S P, Devendrappa H*.
83. Participated and presented a paper on **“Synthesis and characterization of graphene quantum dots-silver nanocomposites”** in 62nd DAE Solid State Physics Symposium (DAE SSPS 2017) held at BARC, DAE Convention Centre, Anushaktinagar, Mumbai, Maharashtra on 26-30 Dec 2017.
Vandana M, Ashokkumar SP, Vijeth H, Niranjana M, **Yesappa L**, Devendrappa H*.

84. Participated and presented a paper on “**Electron beam irradiated polyaniline/liclo4 composite: structure, morphology studies**” in International Conference on Recent Advanced Materials Science and Biophysics (RAMSB-2018) held at Dept of Physics, Mangalore University Mangalore, Karnataka during 23-25 January 2018.
Yesappa L, Niranjana M, Ashokkumar S P, Vijeth H, Vandana M ,Ganesh Sanjeev, Devendrappa H*
85. Participated and presented a paper on “**Synthesis and dielectric properties of polyaniline/copper oxide nano composite in the presence of surfactant**” in International Conference on Recent Advanced Materials Science and Biophysics (RAMSB-2018) held at Dept of Physics, Mangalore University Mangalore, Karnataka during 23-25 January 2018.
Niranjana M, **Yesappa L**, Ashokkumar S P, Vijeth H, Vandana M, Basappa M, Devendrappa H*
86. Participated and presented a paper on “**PEO/PVP blend polymer electrolytes: structural and optical property studies**” in International Conference on Recent Advanced Materials Science and Biophysics (RAMSB-2018) held at Dept of Physics, Mangalore University Mangalore, Karnataka during 23-25 January 2018.
Basappa M, **Yesappa L**, Niranjana M, Ashokkumar S P, Vijeth H, Devendrappa H*
87. Participated and presented a paper on “**Structural and surface morphology of Methylene red dye doped PMMA films**” in International Conference on Recent Advanced Materials Science and Biophysics (RAMSB-2018) held at Dept of Physics, Mangalore University Mangalore, Karnataka during 23-25 January 2018.
Vijeth H, **Yesappa L**, Niranjana M, Ashokkumar S P, Vandana M, Devendrappa H*
88. Participated and presented a paper on “**ATR (Attenuated Total Reflectance) FT-IR Spectroscopy for trace evidence in forensic science**” in National Conference on “Instrumental Methods of Analysis-2018” held at Jagadguru Tontadarya College Gadag-Betageri-582 101, Karnataka during 29 September 2018. **Yesappa L**, Ashokkumar S P, Vijeth H, Devendrappa H.
89. Participated and presented a paper on “**Electron Beam Irradiation Effect on Structure, Morphology and Optical Properties of PVDF-HFP/PEO Polymer blend electrolytes**” in 4th International Conference on Application of RadiotraCers and Energetic Beams in Sciences (ARCEBS-2018) held at Ffort Raichak, Kolkata during 11-17 November 2018 organized by Saha Institute of Nuclear Physics (SINP) Kolkata. **Yesappa L**, Ashokkumar SP, Vijeth H, Vandana M, Basappa M, Niranjana M, Ganesh S, Devendrappa H*.
90. Presented a paper on “**Lower Optical Band Gap and Morphology of Electrochemically Synthesized Polyaniline/CuO Nanocomposite**” in 63rd DAE Solid State Physics Symposium (DAE SSPS 2018) held at Guru Jambheshwar University of Science and Technology, Hisar, Haryana during 18-22 Dec 2018. Ashokkumar SP, Vijeth H, **Yesappa L**, Vandana M, Devendrappa H*.
91. Presented a paper on “**Photocatalytic Degradation of Methylene Blue and Rhodamine B Using Polythiophene Nanocomposite under Visible and UV light**” in 63rd DAE Solid

State Physics Symposium (DAE SSPS 2018) held at Guru Jambheshwar University of Science and Technology, Hisar, Haryana during 18-22 Dec 2018. Vijeth H, Ashokkumar SP, **Yesappa L**, Vandana M and Devendrappa H*.

92. Presented a paper on **“Synthesis and Characterization of Polypyrrole-Graphene Quantum Dots Nanocomposite for Supercapacitor Application”** in 63rd DAE Solid State Physics Symposium (DAE SSPS 2018) held at Guru Jambheshwar University of Science and Technology, Hisar, Haryana during 18-22 Dec 2018. Vandana M, Ashokkumar SP, Vijeth H, **Yesappa L**, and Devendrappa H*.
93. Presented a paper on **“Influence of Nickel Oxide Nanoparticles on the Structure, Electrical and Dielectric Properties of Polypyrrole Nanocomposite”** in International Conference on Advances in Basic Sciences (ICABS-19) held at Bahal, Haryana during 7-9 Feb 2019. Vijeth H, Yesappa L, Ashokkumar SP, Vandana M, Devendrappa H*.
94. Presented a paper on **“Influence of Nickel Oxide Nanoparticles on the Structure, Electrical and Dielectric Properties of Polypyrrole Nanocomposite”** in International Conference on Advances in Basic Sciences (ICABS-19) held at Bahal, Haryana during 7-9 Feb 2019. Vijeth H, Yesappa L, Ashokkumar SP, Vandana M, Devendrappa H*.
95. Presented a paper on **“Soft Template Approach for Synthesis of Polypyrrole Nanotube decorated with MoS₂ quantum dot for All Solid State Supercapacitor Applications”** in International Conference on Physics of Materials and Nanotechnology held at Mangalore University, Mangalore during 19-21, September 2019. Vijeth H, Yesappa L, Ashokkumar SP, Vandana M, Devendrappa H*.
96. Participated & presented a paper entitled **“Synthesis and Charecterization of reduced graphene oxide for supercapacitor application”** in ICPN 2019 organized by Mangalore university mangalagotri, India during 19-21st September 2019. Vandana M, Ashokkumar SP, Vijeth H, Niranjana M, Yesappa L, **Devendrappa H***
97. Participated & presented a paper entitled **“Graphene quantum dots doped conducting polymer nanocomposite for high performance supercapacitor application”** in ICNAN-2019 organized by Vellore Institute of Technology, India during 29 Nov-1st December 2019. Vandana, M., Vijeth, H., Ashokkumar, S. P., & **Devendrappa, H.**
98. Participated & presented a paper entitled **“Structure and Optical Band Gap Study of Electrochemically Synthesized Polyaniline/ZnO Nanocomposite for Energy Storage Devices”** in ICPN 2019 organized by Mangalore university mangalagotri, India during 19-21st September 2019. **H Devendrappa**, Ashokkumar S P, Vijeth H, Yesappa L, Vandana M, Veeresh Shanthappa, Ganesh Honnu, and Nagaraju Yennappa Siddappa.
99. Participated & presented a paper entitled **“Structure and Optical Band Gap Study of Electrochemically Synthesized Polyaniline/ZnO Nanocomposite for Energy Storage Devices”** in ICPN 2019 organized by Mangalore university mangalagotri, India during

19-21st September 2019. Ashokkumar S P, Vijeth H, Yesappa L, Vandana M, Veeresh S, Ganesh H, and Nagaraju Y S. **H Devendrappa.**

100. Participated & presented a paper entitled **“Cyclic Voltammetry, Morphology and Thermal Studies of Electrochemically Synthesized PANI/CuO Nanocomposite for Supercapacitor Application”** in ICPN 2019 organized by Mangalore university mangalagotri, India during 19-21st September 2019., Ashokkumar S P, Vijeth H, Yesappa L, Vandana M, Veeresh S, Ganesh H, and Nagaraju Y S. **H Devendrappa.**
101. Participated & presented a paper entitled **“Synthesis of Nanorod Structured Polyaniline Nanofiber for High Electrochemical Efficiency”** in ICPN 2019 organized by Mangalore university mangalagotri, India during 19-21st September 2019., Ganesh H, Veeresh S, Nagaraju Y S, Vandana M, Ashokkumar S P, Yesappa L, and Vijeth H. **H Devendrappa.**
102. Participated & presented a paper entitled **“Polymer Quantum dots composite for electrochemical glucose detection”** in ICPN 2019 organized by Mangalore university mangalagotri, India during 19-21st September 2019., Ganesh H, Veeresh S, Nagaraju Y S, Vandana M, Ashokkumar S P, Yesappa L, and Vijeth H. **H Devendrappa.**
103. Participated & presented a paper entitled **“Optical, morphology and electrode properties of Reduced Graphene Oxide”** in ICPN 2019 organized by Mangalore university mangalagotri, India during 19-21st September 2019., Veeresh S, Ganesh H, Nagaraju Y S, Vandana M, Ashokkumar S P, Yesappa L, and Vijeth H. **H Devendrappa.**
104. Participated & presented a paper entitled **“Synthesis and Characterization of Reduced Graphene Oxide for Energy Storage Application”** in ICPN 2019 organized by Mangalore university mangalagotri, India during 19-21st September 2019., Veeresh S, Ganesh H, Nagaraju Y S, Vandana M, Ashokkumar S P, Yesappa L, and Vijeth H. **H Devendrappa.**
105. Participated & presented a paper entitled **“To study the Synthesis and characterization of ZnO hexagonal nano cubes with Hydrothermal Growth and Formation Mechanism.”** in ICPN 2019 organized by Mangalore university mangalagotri, India during 19-21st September 2019., Nagaraju Y S, Veeresh S, Ganesh H, , Vandana M, Ashokkumar S P, Yesappa L, and Vijeth H. **H Devendrappa.**
106. Participated & presented a paper entitled **“Facile Hydrothermal synthesis of Zn-doped SnO₂ for crystallographic facet-oriented polyhedral Structure”** in ICPN 2019 organized by Mangalore university mangalagotri, India during 19-21st September 2019., Nagaraju Y S, Veeresh S, Ganesh H, , Vandana M, Ashokkumar S P, Yesappa L, and Vijeth H. **H Devendrappa.**

107. Participated & presented a paper entitled “**Single crystalline hierarchical SnO₂ microsphere and fluoride-mediated hollow structures for photocatalytic activity**” in ICNAN-2019 organized by Vellore Institute of Technology, India during 29 Nov-1st December 2019. Y.S. Nagaraju , H. Ganesha , S. Veerasha , M. Vandana , S.P. Ashokkumar , H. Vijeth , **H. Devendrappa**.

Research Projects:

Total Funding of Research Projects: 1,24,93,400/-

Completed

- i) The UGC- major research project sanctioned for “**A Study on Transport and Electrochemical Cell parameters of PEO with Conducting Polymer Composites** “completed successfully.(5.23 Lakhs, Period 2007-10) F No. 32-49/2006(SR) dated 22-02-2007.
- ii) **DAE -BRNS-** Major Research Project Entitled **Electron Irradiation Effect on Characterization and Dielectric Properties of Polymer Electrolyte** (21.61 Lakhs, Period 2010-13) Project Sanction letter No. 2010/34/24/BRNS dated 28-07-2010).
- iii) **DST-SERB New Delhi** Major Research Project Entitled “**Study Of Optical Properties In Doped Polymer Electrolyte**” (25,15,200/-, Period 2012-15) Project Sanction letter No. SR/S2/CMP-0018/2011 dated 19-01-2012).
- iv) **UGC New Delhi** Major Research Project Entitled “**Study Of Electrical and Optical Properties Of Doped Polymer Electrolyte Film**” (11,98,000/- Period 2012-15) Project Sanction letter No. F.No.41-879/2012/SR dated 25th July 2012.
- v) **SERB, Delhi** Major Research Project Entitled “**Study of electrochemical parameters of polymer electrolytes**” (48,49,200/- period 2013-16) Project sanction letter no. SERB/F/4506/2013-14 dated 11.10.2013.
- vi) **DAE -BRNS-** Major Research Project Entitled “**Electron Beam Irradiated Polymeric Materials for Opto-Electronics devices applications**” (Rs.12.47 Lakhs, Period 2015-16) Project Sanction letter No. 34(1)/14/39/2014-BRNS/ dated 10-12-2014).
- vii) **DST-SERB, Delhi** Major Research Project Entitled “**Comparative studies on fullerene and Non-fullerene based solar cells**” (34.5 Lakh/- period 2019-21) Project sanction letter no.SERB/F/11204/2018-2019 dated 15.02.2019.

Research Scholars working under my supervision:

Sl.No	Name	Course	Joining Year	Status
1.	Manjunath V	Ph D Programme	28-08-2008	Awarded
2.	Subramanya K	Ph D Programme	2008	Awarded
3.	Raghu S	Ph D Programme	01-12-2010	Awarded
4.	Sharanappa Chapi	Ph D Programme	22.09.2012	Awarded
5.	Archana K	Ph D Programme	22.09.2012	Awarded
6.	Mini V	Ph D Programme	01.01.2013	Awarded
7.	Niranjan	Ph D Programme	01.01.2014	Awarded

8.	Yesappa L	Ph D Programme	03-02-2016	Awarded
9.	Ashokumar S P	Ph D Programme	03-02-2016	On-Going
10.	Vijeth	Ph D Programme	02-02-2016	Thesis Submitted
11.	Vandana M	Ph D Programme	2017	On-Going
12.	Basappa M	Ph D Programme	2017	On-Going
13.	Nagaraju YS	Ph D Programme	2018	On-Going
14.	Veeresh	Ph D Programme	2018	On-Going
15.	Ganesh H	Ph D Programme	2018	On-Going
16.	Manjula	Ph D Programme	2019	On-Going
17.	Suresh D S	JRF- SERB Project	2020	On-Going

❖ **No. of Ph D awarded : 08**

❖ **Thesis submitted : 01**

❖ **No. of Ph D working : 08**

Conference Organised:

- ❖ **Convenor**, International Conference on Physics of Materials and Nanotechnology (ICPN-2019).
- ❖ **Member of local organised Committie**, International Conference on Recent Advances in Materials Science and Biophysics (RAMSB-2018).
- ❖ **Member of local organised Committie**, National conference on Particle Accelerators in Interdisciplinary Research (PAIR).

Editor:

For ICPN 2019 conference AIP proceeding publication, ISBN:978-0-7354-2003-8, Vol.No.2244, published date June 26 2020.

Foreign visit:

Visited to department of Material Science Laboratory, Rouen University Rouen, France for Presentation (oral) of my research paper in **POLYCHAR 17** during 20-24th April 2009.

Students Foreign visit

1. Subramanya K : Visited Singapore to present a research paper.
2. Yesappa L : Visited to Amity University Dubai to present a research paper in ICAMMS-2017 during October 4-7, 2017.
3. Vijeth : Presented Paper at Nanotech France 2019 International Conference held at Paris France during June 26-28, 2019.
4. Ashokkumar S P : Presented Paper at Nanotech France 2019 International Conference held at Paris France during June 26-28, 2019.

Reviewer to the international referred journals:

1. Journal of applied Polymer Science-Wiley publication
2. Synthetic Metals- Elsevier
3. Journal of Applied Polymer Science- Elsevier
4. Polymer Engineering and Science- Wiley publication
5. IONICS” journal: Springer link publication
6. Radiation Effects & Defects in Solids: Taylors publication
7. J. of Physics D: Applied Physics : IOP publication
8. ACS Omega –ACS Publication
9. RSC Advance-RSC Publication
10. Material Research Express-IOP Publication
11. Polymer Composite- Wiley publication

Fellowships/awards received by the faculty:

1. **Best poster presentation award** for the paper entitled “Electron Beam Induced changes in Dielectric Properties of Polymer Electrolyte films” in International Conference on Recent Advances in Material Science (RAMS-2012), Bangalore. Nov. 6-8th 2012.
Raghu S, Subramanya Kilarkaje, Ganesh Sanjeev, **Devendrappa H***
2. **Best poster presentation award** for paper entitled “**Optical Transmittance & Reflectance of Methyl Blue Dye Doped Polyethylene Oxide Films**” participated and presented in APA-2014 International Conference on Polymer: Vision & Innovation was held at I I T New Delhi, Feb.19-21 2014.
Archana K, Raghu S, Subramanya K, Sharanappa C, Mini V, Devendrappa H*

Membership/participation in bodies/committees on Education development

1. Life Member of The Society for Polymer Science, India.
2. Member of “Asian Polymer Association” (Membership No:L361)
3. Member of Physics Association, Department of studies in Physics, Mangalore University, Mangalagangothri.
4. Member, Department of studies in Physics, Mangalore University, Mangalagangothri
5. Member of the Mangalore University Employee Co-operative Society, Mangalagangothri.
6. Member, Mangalore University Teacher Association, Mangalore University, Mangalagangothri.
7. General Seceratory of SC/ST Employee Association Mangalore University.

I certify that the information furnished above is true to the best of my knowledge.

Place: Mangalagangothri

(Devendrappa H)

Date: