CURRICULAM VITAE

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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**

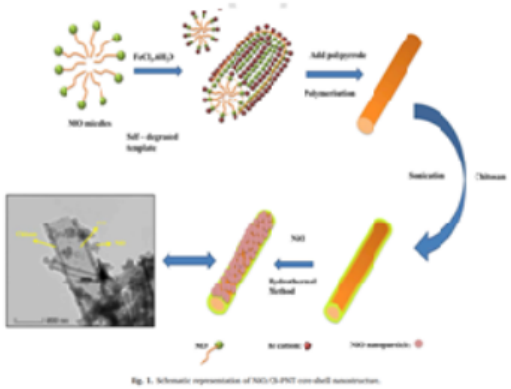
Teaching Experience : Presently working as a Professor (Dec 2 2016 onwards)
Associate Professor (Dec. 2 2013 to Dec.1 2016)
Senior Scale Lecturer (July 21 2008- Dec. 1 2013)
Lecturer (July 21 2004-08)
Dept. of Studies in Physics, Mangalore University, Karnataka, India

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

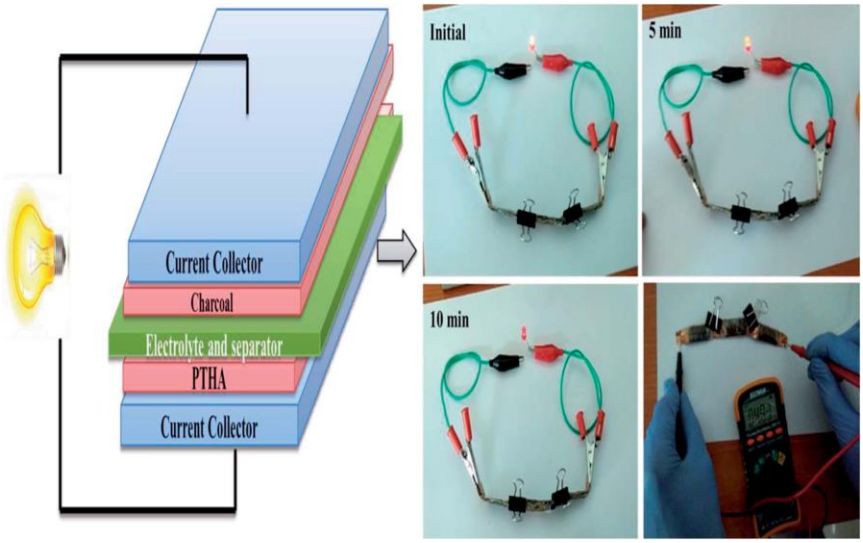
Research Area : Condensed Matter Physics

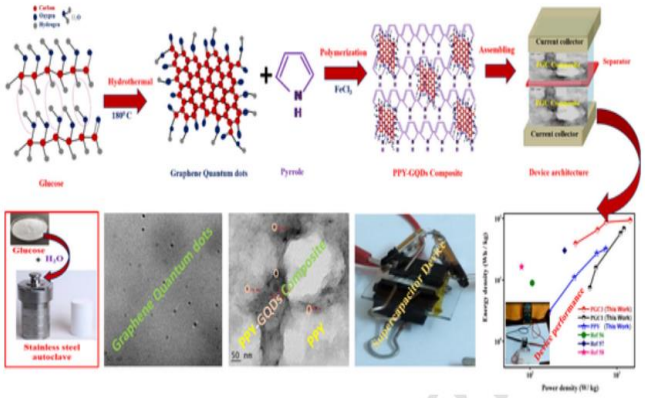
- Transport and Optical Properties of Polymer Electrolyte
- Electrochemical cell parameters of Polymer Electrolyte
- Conjugate Polymer Nano Composite for Super capacitor
- Synthesis of 2D quantum dots for energy storage application
- Synthesis of 2D materials doped Polymer Nano fiber for sensor application.
- Fabrication of Single Organic Layer Device of Polymer Complexes
- Radiation effects on Physical properties of polymer
- Fullerene and Non fullerene for Solar cell
- 2-D Materials for energy storage & photovoltaic applications

He has completed Master degree in physics (Solid State Physics as a specialization) and obtained his Ph.D. on research title "Transport & Electrochemical property of Polymer composite" from the Gulbarga University, Gulbarga (India) in 2002. He has joined as assistant professor in the Department of Studies in Physics, Mangalore University in 2004 and presently is a Professor in the Department. He has established the solid state polymer research laboratory by set up with major research equipment's interface with computer like CHI Electrochemical Workstation, Wanye Kerr Impedance Analyzer, Perkin Elmer Ultraviolet Absorption Spectroscopy, Alpha Brucker Fourier Transform Infrared, Keithyl Electrometer and minor equipment under various research projects. He has completed six major research projects as a principal investigator of worth amount $12.4 million USD (INR 1.24 Cr) funded by the various funding agencies, Government of India (BRNS, UGC, DST, and SERB). He has successfully guided 10 Ph.D. students (awarded) and presently 8 students pursuing for their Ph D programme. Presently SERB one research project is going on. He has been published 45 research papers in referred peer-reviewed international journals (highest impact factor is 8.21, total impact factor ~58), 66 papers in proceedings journals and 106 papers presented in conferences/symposia. He presented invited/oral/poster presentation of research papers in the International conferences at various places in India and abroad. He has organized International Conference on Physics of Materials and Nanotechnology-2019 (ICPN 2019) as a Convener and published 137 ICPN-2019 full papers in AIP conference proceedings, volume 2244, 2020, ISBN-978-0-7453-2003-8. (scitation.org/journal/apc) as a chief editor.

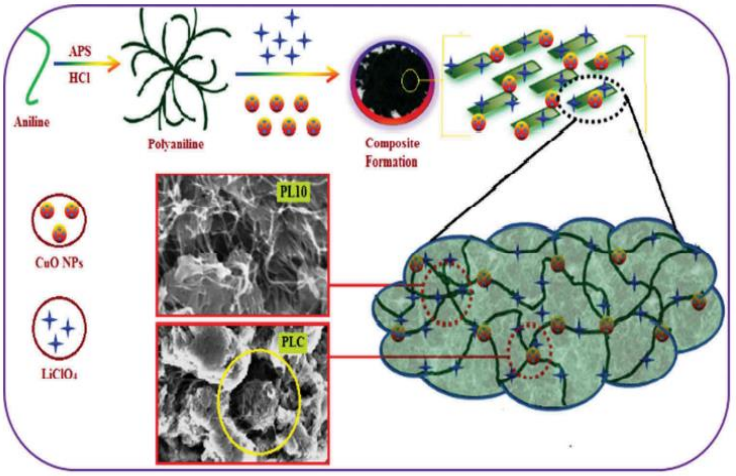


Hybrid Core-Shell nanostructure made of Chitosan incorporated Polypyrrole Nanotubes decorated with NiO for All-Solid-State Symmetric Supercapacitor Application", in **Electrochemical Acta , 354, 136651, 2020 (IF 6.21)**

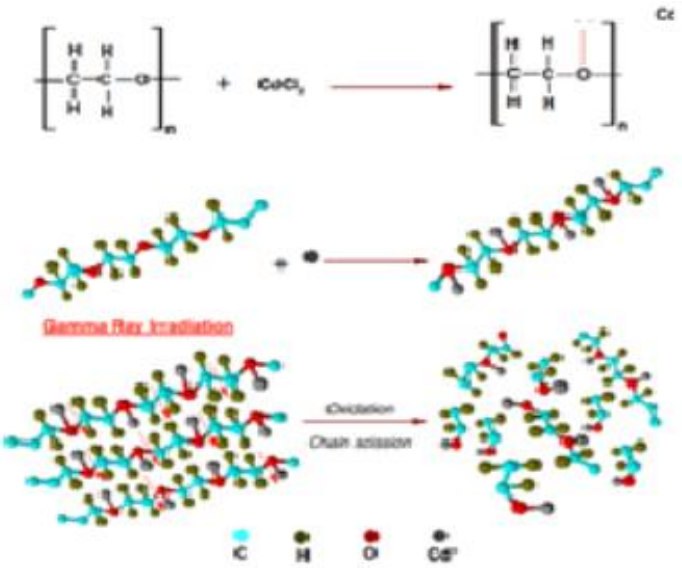


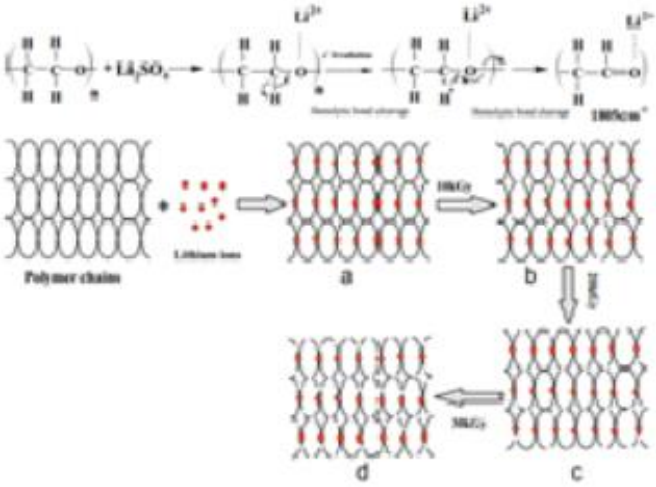


Scheme 1. A schematic diagram represents the synthesis mechanism of GQDs and PPY-GQDs composite fabricated as a supercapacitor device.



Scheme 1. Schematic representation of synthesis process for formation of PANI Nanocomposite.





Journal of Non-Crystalline Solids 426 (2015) 55–62 (Impact factor 2.14).

Radiation Physics & Chemistry" Vol. 98, May 2014, Pages 124-31 (Impact factor 1.40)

Research Publications

In International reffered journals

1. **Devendrappa H,** Subba Rao U V, and M V N Ambika Prasad
   "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 8.2**) **DOI** 10.1016/j.jpowsour.2005.05.014.

2. **Devendrappa H** and M V N Ambika Prasad
   "Optical and Electrical Conductivity For (PEO+$NiSO_4$) Polymer Electrolytes" International Journal of Materials Sciences" **ISSN 0973- 4589** Volume 4, Number 1 (2009), pp. 85–90.

3. Subramanya Kilarkaje, Manjunatha V, Raghu S, M V N Ambika Prasa, **Devendrappa H**
   "Effect Of 8mev Electron Irradiation On The Optical Properties Of Doped Polymer Electrolyte Films" in J. Phys. D: Appl. Phys. 44 (2011) 105403.**(Impact factor 2.3)**

4. V. Manjunatha, Kilarkaje Subramanya, S. Raghu, **Devendrappa H**
   "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**

5. V. Manjunatha, Kilarkaje Subramanya, S. Raghu, **Devendrappa H**
   "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**)

6. Subramanya Kilarkaje, Manjunatha V, Raghu S, MVN Ambika Prasad, **Devendrappa H**
   "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**) **DOI** 10.1002/app.34644

7. Kunteppa H, Aashis S. Roy, **Devendrappa H**, M. V. N. Ambika Prasad
   "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**)

8. S. Raghu, Subramanya Kilarkaje, V. Manjunatha, **Devendrappa H**
   "AC Conductivity & Dielectric Relaxation of Polymer Complexes" in Solid State Physics (AIP publication) 1447, 967 (2012.**DOI** 10.1063/1.4710326.

9. Subramanya Kilarkaje, S. Raghu, V. Manjunatha, **Devendrappa H**
   "Structural, Thermal Studies and Ionic Conductivity of doped Polymer Electrolytes" in Solid State Physics (AIP publication) 1447, 967 (2012).**DOI** 10.1063/ 1.4710326.

10. S. Raghu , Subramanya Kilarkaje, Ganesh Sanjeev, **Devendrappa H**
    "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**) **DOI** 10.1016/j.radmeas.2013.03.017

11. V. Manjunatha, Kilarkaje Subramanya, **Devendrappa H**
"Structural optical & electrical conductivity properties of Li_2SO_4 doped polymer electrolytes" in Composite Interfaces Vol.21, Issue 2,2014
(Impact factor 1.083) DOI 10.1080/15685543.2013.838850

12. S. Raghu a, Subramanya Kilarkaje, Ganesh Sanjeev, **Devendrappa H**
"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**)

13. S. Raghu, Subramanya Kilarkaje, V. Manjunatha, **Devendrappa H**
" 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.

14. Sharanappa C, S. Raghu, K. Subramanya, K. Archana, V. Mini & **Devendrappa H**
" Conductivity and optical band gaps of polyethylene oxide doped with Li 2 SO 4 salt" in "Solid State Physics (AIP conference proceeding) 1591, 1275 (2014) **DOI** 10.1063/1.4872928.

15. Sharanappa Chapi, Raghu S, Mini V, Archana K, **Devendrappa H**
"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.**

16. Mini Vellakkat, Archana Kamath, S. Raghu, Sharanappa Chapi & **Devendrappa H**
"Dielectric Constant & Transport Mechanism of Percolated PANI Nanoclay Composites" in Ind. Eng.Chem.Res. 2014,53, 16873−82.(**Impact factor 2.84**).

17. Sharanappa Chapi and **Devendrappa H**
"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**.

18. Archana Kamath and **Devendrappa H**
"Concentration dependent ionic conductivity and dielectric relaxation of methyl blue dyed polyethylene oxide films" in Polymer Bulletin (2015) 72:2705–2724
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19. Raghu S, Archana K, Sharanappa C, Ganesh S, **Devendrappa H**
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(**Impact factor 2.14**) **DOI** 10.1016/j.jnoncrysol.2015.06.018.
20. Archana Kamath, Raghu S, Mini V, Sharanappa C, **Devendrappa H**
"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** 10.1063/1.4917838.

27. Archana Kamath, **Devendrappa H**
"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

28. Sharanappa Chapi, **Devendrappa H**
"Optical**,** Electrical, Thermal and Electrochemical Studies of Spin-coated Polyblend-ZnO Nanocomposites" in J of Mat Sci. Mat Ele. (2016) 27:11974–11985
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29. Mini V and **Devendrappa H**
"Electrical Conductivity and Supercapacitor Properties of Polyaniline/Chitosan/Nickel Oxide Honeycomb Nanocomposite" in J. APPL. POLYM. SCI. 2016,
(Impact factor 1.86) DOI 10.1002/app.44536.

30. Niranjana M, Yesappa L, Ashokkumar S P, Vijeth H, Raghu S and **Devendrappa H**
"Localized Polarons in In-situ Synthesized Polyaniline Nano Composites Improve the Morphology, and Thermal and Electrical Conductivity RSC Adv., 2016, 6, 115074
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31. Yesappa L, Niranjana M, Ashokkumar S, Vijeth H, Sharanappa C, Raghu S, **Devendrappa H** "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,**(Impact factor 1.676) DOI:** 10.1007/s11664-017-5724-31.

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33. Yesappa L, Niranjana M, Ashokkumar S, Vijeth H, Raghu S, **Devendrappa H**
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34. Yesappa L, Niranjana M, Ashokkumar S, Vijeth H, Ganesh Sanjeev, **Devendrappa H**
"Increased Porous Morphology and Thermal Degradation of Electron Beam Irradiated PVDF-HFP/$LiClO_4$ Polymer Electrolyte" Radiation effects and defects in solids, 173 (3-4), 1-7, 2018. **DOI**: 10.1080/10420150.2018.1486840

35. Yesappa L, Niranjana M, Ashokkumar S, Vijeth H, Vandana M, Ganesh Sanjeev, **Devendrappa H**"The Modified Thermal, Dielectric and Electrical Conductivity of PVDF-HFP/$LiClO_4$ Polymer Electrolyte Films by 8 MeV Electron Beam Irradiation"ACS Omega 2018, 3, 14188−14200, (**Impact factor 2.8) DOI**: 10.1021/acsomega.8b01097

36. Yesappa L, Ashokkumar S P, Vijeth H, Basappa M, Ganesh Sanjeev, **Devendrappa H** "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**. [ISSN No. 1588-2780].**
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37. Vijeth H, Ashokkumar S P, Yesappa L, Niranjana M, Vandana M **Devendrappa H** "Flexible and high energy density solid-state asymmetric supercapacitor based on polythiophene nanocomposites and charcoal" RSC Adv., 2018, 8, 31414–31426.
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38. Vijeth H, Ashokkumar S P, Yesappa L, Niranjana M, Vandana M, **Devendrappa H**. "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. **[ISSN No. 1573-482X].**
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39. Ashokkumar S P, Yesappa L, Vijeth H, Niranjana M, Vandana M, **Devendrappa H** "Structure, morphology, thermal and electrochemical studies of electrochemically synthesized polyaniline/copper oxide nanocomposite for energy storage devices" Materials Research Express., 2020, 6, 125557.**[ISSN No.20531591**]
(Impact factor 1.49) DOI 10.1088/2053-1591/ab5dde

40. Vijeth H, Ashokkumar SP, Yesappa L, Vandana M, **Devendrappa H** "Camphor sulfonic acid surfactant assisted polythiophene nanocomposite for efficient electrochemical hydrazine sensor" Materials Research Express, 2020, 6, 125375**.[ISSN No.20531591] (Impact factor 1.49) DOI** 10.1088/2053-1591ab5ef5

41. Ashokkumar SP, Vijeth H, Yesappa L, Niranjana M, Vandana M, **Devendrappa H** "Electrochemically synthesized polyaniline/copper oxide nano composites: To study optical band gap and electrochemical performance for energy storage devices" Inorganic Chemistry Communications, 2020, 107865.
(Impact factor 1.9) DOI 10.1016/j.inoche.2020.107865

42. Vandana M, Vijeth H, Ashokkumar SP, **Devendrappa H** "Hydrothermal synthesis of quantum dots dispersed on conjugated polymer as an efficient electrodes for highly stable hybrid supercapacitors", Inorganic Chemistry Communications., 2020, 107941.**(Impact factor 1.9) DOI** 10.1016/j.inoche.2020.107941

43. Vijeth H, Yesappa L, Ashokkumar SP, Vandana M, **Devendrappa H** "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.
(Impact factor 6.21) DOI 10.1016/j.electacta.2020.136651

44. Ganesha H, Veeresh S, Nagaraju Y S, Vandana M, Ashokkumar S P, Vijeth H, **Devendrappa H** "Growth of 3-Dimentional MoS_2-PANI nanofiber for high electrochemical performance" in Materials Research Express, (2020) **(Impact factor 1.92) DOI** 10.1088/2053-1591/ab9e30

45. Vandana M, Vijeth H, Ashokkumar S P, **Devendrappa H** "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).**(Impact factor 1.78) DOI** 10.1080/25740881.2020.1784221

46. Veeresh S, Ganesh H, Nagaraju Y S, Vandana M, Ashokkumar S P, Vijeth H, M V N Ambika Prasad, **Devendrappa H** "UV-irradiated Hydrothermal Synthesis of Reduced Graphene Quantum Dots for Electrochemical Applications", in Polymer-Plastics Technology and Materials, (2021), **(Impact factor 2.65) DOI** 10.1016/j.diamond.2021.108289

I. In proceedings:

1. Subramanya Kilarkaje, M V N Ambika Prasad, **Devendrappa H** "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 .

2. Subramanya Kilarkaje, M V N Ambika Prasad,& **Devendrappa H** "CD^{2+} 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.

3. Subramanya Kilarkaje, M V N Ambika Prasad, **Devendrappa H** "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 .

4. Subramanya Kilarkaje, M V N Ambika Prasad, **Devendrappa H** "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 .

5. Subramanya Kilarkaje, Manjunatha V**, & Devendrappa H** "Synthesis, Charecterzation and Optical Properties Of Doped Polyaniline" Proceedings of International conference on Polymer science and engineering: Emerging dimensions, PSE-2010, Chandigarh, 2010.

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"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.

7. Subramanya Kilarkaje, Manjunatha V, Raghu S, M V N Ambika Prasad, & **Devendrappa H**
"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)**.

8. Yesappa L, Niranjana M, Ashokkumar S P, Vijeth, Sharanappa Chapi, Raghu S, and **Devendrappa H**
"Structure, morphology and optical studies of Li+ doped polyaniline composite" AIP Conference Proceedings 1832, 040011 (2017) **DOI**:10.1063/1.4980213.

9. Yesappa L**,** Niranjana M, Sharanappa Chapi, Archana K, Raghu S, **Devendrappa H**
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10. Niranjana M, Yesappa L, Ashokkumar S P, Vijeth H, Sharanappa Chapi, Raghu S, and **Devendrappa H**
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11. Niranjana M, Sharanappa Chapi, Yesappa L, Archana K, Raghu S, **Devendrappa H**
"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

12. Vijeth H, Niranjana M, Yesappa L, Sharanappa Chapi, Raghu S, Ashokkumar S P, and **Devendrappa H** "Surfactant assisted surface morphology and thermal properties Of polythiophene composites" AIP Conference Proceedings 1849, 020043 (2017); **DOI**:10.1063/1.4984190**.**

Devendrappa H, Yesappa L Ashokkumar SP, Vijeth H, Niranjana M, Vandana M, Ganesh S. "Morphology, Optical and Ionic Conductivity Studies of Electron Beam Irradiated Polymer Electrolyte Film" AIP Conference Proceedings 1942, 110003 (2018); **DOI**: 10.1063/1.5028986.

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14. Vandana M, Ashokkumar SP, Vijeth H, Niranjana M, Yesappa L, **Devendrappa H** "Synthesis and characterization of graphene quantum dots-silver nanocomposites" AIP Conference Proceedings 1942, 050046 (2018);
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23. Niranjana M, Yesappa L, Ashokkumar S P, Vijeth H, Basappa M, and **Devendrappa H** "Enhanced Optical and Electrochemical Properties of Polyaniline/Cobalt oxide Nano Composite" AIP Conference Proceedings 1953, 030224 (2018);
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24. Vijeth H, Yesappa L, Niranjana M, Ashokkumar S P, and **Devendrappa H** "Investigation on Structural, Optical and Electrical Properties of Polythiophene-Al2O3 Composites" AIP Conference Proceedings 1953, 050008 (2018); **DOI**: 10.1063/1.5032663.

25. Ashokkumar S P, Yesappa L, Vijeth H, Niranjana M, and **Devendrappa H** "Electrical Conductivity and Morphology of Electrochemical Synthesized Polyaniline/CuO Nano Composites" AIP Conference Proceedings 1953, 030222 (2018); **DOI**: 10.1063/1.5032557.

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27. Yesappa L, Niranjana M, Ashokkumar S P, Vijeth H, Vandana M, Sanjeev G, **Devendrappa H** "Electron Beam Irradiated Polyaniline/LiClO4 Composite: Structure, morphology studies" in Proceedings of Int. Conference RAMSB-2018 **ISBN 978-93-5291-953-6.**

28. Vijeth H, Yesappa L, Niranjana M, Ashokkumar S P, Vandana M, and **Devendrappa H** "Structural and Surface Morphology of Methylene red dye doped PMMA films." in Proceedings of Int. Conference RAMSB-2018 **ISBN 978-93-5291-953-6.**

29. Niranjana M, Yesappa L, Ashokkumar S P, Vijeth H, Vandana M, Basappa M, and **Devendrappa H** "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.**

30. Basappa M, Yesappa L, Niranjana M, Ashokkumar S P, Vijeth H, and **Devendrappa H** "PEO/PVP blend polymer electrolytes: structural and optical property studies" in Proceedings of Int. Conference RAMSB-2018 **ISBN 978-93-5291-953-6.**

31. Yesappa L, Niranjana M, Ashokkumar S P, Vijeth H, Ganesh S, and **Devendrappa H** "Electron Beam Irradiated Polymer Electrolyte Film: Morphology, Dielectric and AC Conductivity Studies" AIP Conference Proceedings 1953, 050006 (2018). [ISSN No. 1551-7616]. **DOI:** 10.1063/1.5032661. *.

32. Yesappa L, Niranjana M, Ashokkumar S P, Vijeth H, Basappa M, Ganesh S, and **Devendrappa H** "Structure, dielectric, thermal and I-V studies of electron beam irradiated PVDF-HFP/LiClO4 electrolyte film" AIP Conference Proceedings 1953, 050059 (2018); [ISSN No. 1551-7616]. **DOI:** 10.1063/1.5032714.

33. Basappa M, Yesappa L, Niranjana M, Ashokkumar S P, Vandana M, Vijeth H, and **Devendrappa H** "Structural and Optical Band Gap of PEO/PVP Polymer Blend". AIP Conference Proceedings 1953, 140045 (2018). **[ISSN No. 1551-7616] DOI:** 10.1063/1.5033220.

34. Niranjana M, Yesappa L, Ashokkumar S P, Vijeth H, and **Devendrappa H**
"Surface Morphology and Improved Electrical Conductivity of Camphorsulfonic acid Surfactant Based PANI Nano Composite" AIP Conference Proceedings 1953, 030007 (2018). **[ISSN No. 1551-7616] DOI:** 10.1063/1.5032342.

35. Niranjana M, Yesappa L, Ashokkumar S P, Vijeth H, Basappa M, and **Devendrappa H**
"Enhanced Optical and Electrochemical Properties of Polyaniline/Cobalt oxide Nano Composite" AIP Conference Proceedings 1953, 030224 (2018). **[ISSN No. 1551-7616] DOI:** 10.1063/1.5032559.

36. Vijeth H, Yesappa L, Niranjana M, Ashokkumar S P, and **Devendrappa H**
"Investigation on Structural, Optical and Electrical Properties of Polythiophene-Al2O3 Composites" AIP Conference Proceedings 1953, 050008 (2018). **[ISSN No. 1551-7616]. DOI:** 10.1063/1.5032663.

37. Ashokkumar S P, Yesappa L, Vijeth H, Niranjana M, and **Devendrappa H**
"Electrical Conductivity and Morphology of Electrochemical Synthesized Polyaniline/CuO Nano Composites" AIP Conference Proceedings 1953, 030222 (2018). **[ISSN No. 1551-7616]. DOI:** 10.1063/1.5032557.

38. Ashokkumar S P, Vijeth H, Yesappa L, Niranjana M, Vandana M, Basappa M, and **Devendrappa H** "Surface Morphology and Electrochemical Studies on Polyaniline/CuO Nano composites" AIP Conference Proceedings 1953, 030095 (2018). **[ISSN No. 1551-7616]. DOI:** 10.1063/1.5032430.

39. Yesappa L, Niranjana M, Ashokkumar S P, Vijeth H, Vandana M, Basappa M, Dwivedi J, Petwal V C, Sanjeev G, and **Devendrappa H** "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].**

40. Yesappa L, Niranjana M, Ashokkumar SP, Vijeth H, Sharanappa C, Raghu S, **Devendrappa H** "Synthesis, Characterization and Absorption Study of Aloe Vera doped Polyaniline Bio-Composite" Materials Today: Proceedings 5 (2018) 21076–21081. **[ISSN 2214-7853].**

41. Ashokkumar SP, Vijeth H, Yesappa L, Vandana M, **Devendrappa H**
"Lower Optical Band Gap and Morphology of Electrochemically Synthesized Polyaniline/CuO Nanocomposite" AIP Conference Proceedings (2019) 2115, 030059.

42. Vijeth H, Ashokkumar SP, Yesappa L, Vandana M and **Devendrappa H**
"Photocatalytic Degradation of Methylene Blue and Rhodamine B Using Polythiophene Nanocomposite under Visible and UV light" AIP Conference Proceedings (2019) 2115, 030536.

43. Vandana M, Ashokkumar SP, Vijeth H, Yesappa L, and **Devendrappa H**
"Synthesis and Characterization of Polypyrrole-Graphene Quantum Dots Nanocomposite for Supercapacitor Application" AIP Conference Proceedings (2019) 2115, 030535.

44. Vijeth H, Yesappa L, Ashokkumar SP, Vandana M, **Devendrappa H**
"Influence of Nickel Oxide Nanoparticles on the Structure, Electrical and Dielectric Properties of Polypyrrole Nanocomposite" AIP Conference Proceedings(2019) 2142, 150029.

45. Ashokkumar SP, Vijeth H, Yesappa L, **Devendrappa H**
"Morphology, optical band gap and electrochemical studies of electrochemically synthesized polyaniline/cobalt oxide" AIP Conference Proceedings (2020), 1, 2220.

46. Nagaraju YS, Ganesha H, Veeresha S, Vandana M, Ashokkumar SP, Vijeth H, **Devendrappa H**"Single crystalline hierarchical SnO2 microsphere and fluoride-mediated hollow structures for photocatalytic activity" Materials Today: Proceedings 2020.

47. Nagaraju YS, Ganesha H, Veeresha S, Vandana M, Ashokkumar SP, Vijeth H, **Devendrappa H** "Facile hydrothermal synthesis of Zn-doped Sno2 for crystallographic facet-oriented polyhedral structure" AIP conference proceedings, 2244, 080020 (2020).

48. Vandana M, Ashokkumar S P, Yesappa L, Vijeth H, **Devendrappa H**
"Synthesis and characterization of reduced graphene oxide for energy storage application" AIP conference proceedings, 2244, 080020 (2020).

49. Veeresh S, Ganesh H, Nagaraju Y S, Vandana M, Ashokkumar S P, Yesappa L, Vijeth H, **Devendrappa H**"Structure, morphology and optical properties of graphene oxide" AIP conference proceedings, 2244, 080023 (2020).

50. Ashokkumar S P, Vijeth H, Yesappa L, Veeresh S, Ganesh H, Nagaraju Y S, Vandana M, **Devendrappa H**"Structure and optical band gap study of electrochemically synthesized polyaniline/ZnO nanocomposite for energy storage devices" AIP conference proceedings, 2244, 080027 (2020).

51. Ganesh H, Veeresh S, Nagaraju Y S, Vandana M, Ashokkumar S P, Vijeth H, Yesappa L, **Devendrappa H** "Polymer quantum dots composite for electrochemical glucose detection" AIP conference proceedings, 2244, 080024 (2020).

52. Yesappa L, Ashokkumar S P, Vijeth H, Vandana M, Basappa M, Niranjana M, **Devendrappa H** "Electron beam irradiation effect on polymer blend electrolyte films: Thermal and conductivity studies" AIP conference proceedings, 2244, 080017 (2020).

53. Yesappa L, Ashokkumar S P, Vijeth H, Ganesh H, Veeresh, S Nagaraju Y S, Basappa M, Niranjana M, **Devendrappa H**"Structure, morphology and optical properties of CuO nano particles immersed PANI/Li composite" AIP conference proceedings, 2244, 080016 (2020).

54. Ashokkumar S P, Vijeth H, Yesappa L, Veeresh S, Ganesh H, Nagaraju Y S, Vandana M, **Devendrappa H** "Cyclic voltammetry, morphology and thermal studies of electrochemically synthesized PANI/CuO nanocomposite for supercapacitor application" AIP conference proceedings, 2244, 080026 (2020).

55. Niranjana M, Yesappa L, Ashokkumar S P, Vijeth H, **Devendrappa H**, Vrushabhendrappa Y, Basavarajappa K S
"Enhanced the thermal properties of camphor sulfonic acid surfactant based PANI nanocomposite" AIP conference proceedings, 2244, 080008 (2020).

56. Niranjana, M Yesappa L, **Devendrappa H,** Manjunath D, Sathisha S, Vandana M, Ashokkumar S P, Vijeth H. "Enhanced optical and thermal properties of polyaniline/copper oxide nanocomposite in the presence of camphor sulfonic acid surfactant" AIP conference proceedings, 2244, 080007 (2020).

57. Nagaraju Y S, Ganesh H, Veeresh S, Vandana M, Ashokkumar S P, Vijeth H, **Devendrappa H**"To study the synthesis and characterization of ZnO hexagonal nano cubes with hydrothermal growth and formation mechanism" AIP conference proceedings, 2244, 080021 (2020).

58. Ganesh H, Veeresh S, Nagaraju Y S, Vandana M, Ashokkumar S P, Yesappa L, Vijeth H, **H Devendrappa** "Synthesis of nanorod structured polyaniline nanofiber for highelectrochemical efficiency" AIP conference proceedings, 2244, 080025 (2020).

59. Veeresh S, Ganesh H, Nagaraju Y S, Vandana M, Ashokkumar S P, Yesappa L, Vijeth H, **Devendrappa H** "Synthesis and characterization of reduced graphene oxide nanocomposite" AIP conference proceedings, 2244, 080019 (2020).

60. Basappa M, Yesappa L, Ashokkumar S P, Vijeth H, **Devendrappa H**
"Morphology, optical band gap and dielectric properties of PEO/PVP polymer blend film" AIP conference proceedings, 2244, 080018 (2020).

61. Manjunatha S, Ravikiran YT, Chethan B, **Devendrappa H**, T Machappa "Alternating current response studies on polyaniline-neodymium oxide composites" AIP conference proceedings, 2244, 080009 (2020).

62. Sunilkumar A, Manjunatha S, Ravikiran YT, **Devendrappa H,** Machappa T
"AC frequency-dependent dielectric studies of polypyrrole composites" AIP conference proceedings, 2244, 080005 (2020).

63. Thalari Chandrashekar, Ramachandrappa Megha, Basavalingappa Chethan, Yaled Thippswamy Ravikiran, Nagappa Sasidhar, **Devendrappa Hundekal**
"Enhanced electrochemical properties of polyblend electrolyte on quartz plate by spin-coating: Energy storage devices" AIP conference proceedings, 2244, 080014 (2020).

64. Chapi Sharanappa and **Devendrappa Hundekal**
"Room temperature alternating current response of polypyrrole/magnesium oxide composite" AIP conference proceedings, 2244, 080012 (2020).

65. Basavalingappa Chethan, Hotte Gowdru Raj Prakash, Yaled Thippeswamy Ravikiran, Shekarappa Pratibha, Nagappa Sasidhar, **Devendrappa Hundekal,** Manohar Prashantkumar.
"Polypyrrole/magnesium oxide composite as room temperature operable humidity sensor" AIP conference proceedings, 2244, 080006 (2020).

III. **International/national Conferences attended and papers presented:**

1. Participated in International Conference of **"SHIMEC-98 "**at Nuclear Science Center New Delhi on 19^{th-} - 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. **Devendrappa H**, U.V. Subba Rao and M.V.N.Ambika Prasad
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.

6. **Devendrappa H** and M.V.N.Ambika Prasad
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.

7. **Devendrappa H** and M.V.N.Ambika Prasad 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.

8. Participated in the One day Workshop on "Industrial Corrosion Awareness &Prevention" held in Mangalore University On 25th February 2006.

9. **Devendrappa H** and M.V.N. Ambika Prasad
   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.

10. **Devendrappa H** and M.V.N.Ambika Prasad
    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.

11. **Devendrappa H** and M V N Ambika Prasad
    Participated& presented the paper entitled "Optical Property and Electrical Conductivity for (PEO+$NiSO_4$) Polymer Electrolytes" in international conference on ICFMAT 2009, held at Velammal Engineering College Chennai, India during 29-30th Jan.2009.

12. **Devendrappa H** & M V N Ambika Prasad
    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.

13. Subramanya Kilarkaje, Manjunatha V, **Devendrappa H**
    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.

14. Subramanya Kilarkaje, Manjunatha V, **Devendrappa H**
    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 form 17th-20th Dec. 2009.

15. Subramanya Kilarkaje, Manjunatha V, **Devendrappa H**
    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.

16. Subramanya Kilarkaje, Manjunatha V, **Devendrappa H**
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 form 22th-24th Oct. 2010.

17. Subramanya Kilarkaje, Manjunatha V, **Devendrappa H**
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 form 15th-17th Dec. 2010.

18. Subramanya Kilarkaje and **Devendrappa H**
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.

19. Subramanya Kilarkaje, Raghu S, **Devendrappa H**
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.

20. Subramanya Kilarkaje, Raghu S, **Devendrappa H**
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, Thamilnadu, India during 19-23rd Dec., 2011.

21. Subramanya Kilarkaje, Raghu S, **Devendrappa H**
Participated & presented a paper entitled "AC Conductivity and Dielectric Relaxation Of Polymer Complexes" in 56th DAE-SSP Organized by SRM University, Kattankulatturu, Chennai, Thamilnadu, India during 19-23rd Dec., 2011.

22. Subramanya Kilarkaje, Raghu S, **Devendrappa H**
Participated & presented a paper entitled " Studies On Structural, Optical andCluster Size Of doped Polyaniline " in International Conference, ICAM-2012, during 5-7th Jan. 2012, at Loyola College Chennai, Thamilnadu, India.

23. Subramanya Kilarkaje, Raghu S, **Devendrappa H**
Participated & presented a paper entitled "Transport & Optical Properties Of Synthesized PANI-$BaSO_4$ Composite" in International Conference, ICAM-2012, During 5-7th Jan.2012, at Loyola College Chennai, Thamilnadu, India.

24. Subramanya Kilarkaje, Raghu S, **Devendrappa H**
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, Thamilnadu, India.

25. Subramanya Kilarkaje, Raghu S, **Devendrappa H**
Participated & presented a paper entitled "Ionic Conductivity & Electro Chemical Parameters Of DopedPolymer Film" in 1st International Conference, ICPM-MDF- 2012, during 17-19th Jan. 2012, at Shivaji University, Kolhapur, India.

26. Raghu S, Subramanya Kilarkaje, **Devendrappa H**
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.

27. Raghu S, Subramanya Kilarkaje, Ganesh Sanjeev, **Devendrappa H**
Participated and presented a Paper entitles "Electron Beam Induced Modifications in The Conductivity and Dielectric PropertiesOf Polymer (PEO-$LiSO_4$) 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.

28. Raghu S, Subramanya Kilarkaje, Ganesh Sanjeev, **Devendrappa H**
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.

29. Raghu S, Subramanya Kilarkaje, Ganesh Sanjeev, **Devendrappa H**
Participated and presented a Paper entitles "Structural, Optical and Electrical Conductivity Properties of PEO-Li_2SO_4 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.

30. Raghu S, Subramanya Kilarkaje, Ganesh Sanjeev, **Devendrappa H**
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.

31. **Devendrappa H**, Raghu S, Subramanya Kilarkaje, Ganesh Sanjeev
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.

32. Subramanya Kilarkaje, Raghu S, **Devendrappa H**, Ganesh Sanjeev.
Participated and presented a paper entitled "Characterization, optical and transport properties of doped Polyanilne" in International Conference on Recent Advances in Material Science (RAMS-2012), Bangalore. Nov. 6- 8th 2012.

33. Raghu S, Subramanya Kilarkaje, Ganesh Sanjeev, **Devendrappa H**
    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.

34. Archana K, Raghu S, Subramanya K, Sharanappa Chapi, Mini V, **Devendrappa H**
    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.

35. Sharanappa Chapi, Manjunatha V, Archana K, Raghu S, Subramanya K, Mini V, **Devendrappa H**
    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.

36. Mini V, Archana K, Raghu S, Subramanya K, Sharanappa Chapi, **Devendrappa H**
    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.

37. Mini V, Archana K,Raghu S, Subramanya K, Sharanappa Chapi,Revenasiddappa M, **Devendrappa H**
    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.

38. Raghu S, Subramanya K, Sharanappa Chapi, Archana K, Mini V, **Devendrappa H**
    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.

39. Sharanappa Chapi, Raghu S, Subramanya K, Archana K, Mini V, **Devendrappa H**
    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.

40. Archana K, Raghu S, Subramanya K, Sharanappa Chapi, Mini V, **Devendrappa H**
    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.

41. Mini V, Archana K, Raghu S, Subramanya K, Sharanappa Chapi, **Devendrappa H**
    Participated and presented a paper entitled "Polyaniline/chitosan/Co_3O_4 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.

42. Raghu S, Subramanya Kilarkaje, Ganesh Sanjeev, Nagaraja G K, **Devendrappa H**
    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.

43. Sharanappa Chapi, Manjunatha V, Raghu S, Subramanya K, Mini V, Archana K, **Devendrappa H** 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.

44. Mini V, Archana K, Raghu S, Subramanya K, Sharanappa Chapi, Revanasiddappa M, **Devendrappa H**
    Participated and presented a paper entitled "Transport Property of Polyaniline Clay-Nano Composities" in "ICMCT 2014" International Conference on Materials and Characterization techniques, held in VIT University Vellore Tamilnadu during 10-12,March 2014.

45. Archana K, Mini V, Subramanya K, Raghu S, Sharanappa Chapi, **Devendrappa H**
    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.

46. Sharanappa Chapi, Raghu S, Subramanya K, Archana K, Mini V, **Devendrappa H**
    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.

47. **Devendrappa H**, Raghu S, Subramanya K, Ganesh Sanjeev
    Participated and presented a paper entitled "Polymer Degradation Due to Irradition" in "ICMCT 2014" International Conference on Materials and Characterization techniques, held in VIT University Vellore Tamilnadu during 10-12,March 2014.

48. Sharanappa Chapi, Raghu S, Mini V,Archana K, **Devendrappa H**
    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.

49. **Devendrappa H** Sharanappa Chapi
    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.

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

51. Sharanappa Chapi and **Devendrappa H**
    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.

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

53. Archana Kamath Raghu S and **Devendrappa H**
    Presented a presented a paper entitled "Effect of Methyl Red Dye on Dielectric and Conductivity Properties of PEO/$CdCl_2$ 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.

54. Niranjana M, Sharanappa Chapi, Raghu S, **Devendrappa H**
    Presented a paper entitled "Study of Structural and Thermal Properties of Polyaniline-V_2O_5 Composites" presented in the Nanoscience, Nanotechnology & Advanced Materials in Visakapatnam, 14th – 17th December 2015 .

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

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

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

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

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

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

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

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

63. Niranjana M, Yesappa L, Ashokkumar S P, Vijeth H, Sharanappa Chapi, Ragh S, **Devendrappa H**
Participated and Presented a paper entitled " Optical and Electrical Studies of Vanedium Pentaoxide Doped Polyaniline Composite " presented in the 61st DAE Solid State Physics Symposium, was held at KIIT University Bhubaneswar during 26-30 December 2016.

64. Vijeth, Ashokkumar S P, Yesappa L, Niranjan M, **Devendrappa H**
Participated and Presented a paper entitled " Surfactant Assisted Surface Morphology abd Thermal Properties of Polythiophene Composites " presented in the Optics'17 A Conference on Light, was held in Calicut Kerala during 9-11 January 2017.

65. Yesappa L, Niranjana M, Ashokkumar S P, Vijeth H, **Devendrappa H**
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.

66. Niranjana M, Yesappa L, Ashokkumar S P, Vijeth H, **Devendrappa H**
Participated and presented a paper on "Study of Structural and Thermal Properties of Polyaniline-V_2O_5 composites" in 4th International Conference on Nanoscience and Nanotechnology (ICONN2017) held at SRM University, Chennai, Tamilnadu during 9-11 Aug 2017.

67. Ashokkumar S P, Yesappa L, Niranjana M, Vijeth H, Devendrappa H
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.

68. Yesappa L, Niranjana M, Ashokkumar S P, Vijeth H, Ganesh S, **Devendrappa H**
Participated and presented a paper on "Increased Porous Morphology And Thermal Degradation Of Electron Beam Irradiated PVDF-HFP/$LiClO_4$ 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.

69. Yesappa L, Niranjana M, Ashokkumar S P, Vijeth H, **Devendrappa H**
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.

70. Yesappa L, Niranjana M, Ashokkumar S P, Vijeth H, **Devendrappa H**
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.

71. Niranjana M, Yesappa L, Ashokkumar S P, Vijeth H, **Devendrappa H**
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.

72. Ashokkumar S P, Vijeth H, Yesappa L, Niranjana M, **Devendrappa H**
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.

73. Yesappa L, Niranjana M, Ashokkumar S P, Vijeth H, Ganesh S, **Devendrappa H**
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.

74. Yesappa L, Niranjana M, Ashokkumar S P, Vijeth H, Basappa M, Ganesh S, **Devendrappa H**
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.

75. Niranjana M, Yesappa L, Ashokkumar S P, Vijeth H, **Devendrappa H**
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.

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

77. Ashokkumar S P, Yesappa L, Vijeth H, Niranjana M, **Devendrappa H**
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.

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

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

80. Vijeth H, Yesappa L, Niranjana M, Ashokkumar S P, **Devendrappa H**
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.

81. **Devendrappa H**, Yesappa L, Niranjana M, Ashokkumar S P, Vijeth H, Ganesh S
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.

82. Vijeth H, Niranjana M, Yesappa L, Ashokkumar S P**, Devendrappa H**
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.

83. Vandana M, Ashokkumar SP, Vijeth H, Niranjana M, Yesappa L, **Devendrappa H**
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.

84. Yesappa L, Niranjana M, Ashokkumar S P, Vijeth H, Vandana M ,Ganesh Sanjeev, **Devendrappa H**
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.

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

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

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

88. Yesappa L, Ashokkumar S P, Vijeth H, **Devendrappa H**
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.

89. Yesappa L, Ashokkumar SP, Vijeth H, Vandana M, Basappa M, Niranjana M, Ganesh S, **Devendrappa H**
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**.**

90. Ashokkumar SP, Vijeth H, Yesappa L, Vandana M, **Devendrappa H**
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.

91. Vijeth H, Ashokkumar SP, Yesappa L, Vandana M and **Devendrappa H**
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.

92. Vandana M, Ashokkumar SP, Vijeth H, Yesappa L, and **Devendrappa H**
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.

93. Vijeth H, Yesappa L, Ashokkumar SP, Vandana M, **Devendrappa H**
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.

94. Vijeth H, Yesappa L, Ashokkumar SP, Vandana M, **Devendrappa H**
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.

95. Vijeth H, Yesappa L, Ashokkumar SP, Vandana M, **Devendrappa H**
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.

96. Vandana M, Ashokkumar SP, Vijeth H, Niranjana M, Yesappa L, **Devendrappa H**
Participated & presented a paper entitled "Synthesis and Charecterization of reduced graphene oxide for supercapacitor application" in ICPN 2019 organized by Mangalore university mangalagagotri, India during 19-21st September 2019.

97. Vandana M, Vijeth H, Ashokkumar S P, & **Devendrappa H**
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**..**

98. **Devendrappa H**, Ashokkumar S P, Vijeth H, Yesappa L, Vandana M, Veeresh Shanthappa, Ganesh Honnu, and Nagaraju Yennappa Siddappa.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 mangalagagotri, India during 19-21st September 2019.

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

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

101. Veeresh S, Nagaraju Y S, Vandana M, Ashokkumar S P, Yesappa L, and Vijeth H. **Devendrappa H**

Participated & presented a paper entitled “Synthesis of Nanorod Structured Polyaniline Nanofiber for High Electrochemical Efficiency” in ICPN 2019 organized by Mangalore university mangalagagotri, India during 19-21st September 2019., Ganesh H,**.**

102.Ganesh H, Veeresh S, Nagaraju Y S, Vandana M, Ashokkumar S P, Yesappa L, and Vijeth H. **Devendrappa H**

Participated & presented a paper entitled “Polymer Quantum dots composite for electrochemical glucose detection” in ICPN 2019 organized by Mangalore university mangalagagotri, India during 19-21st September 2019.,

103 Veeresh S, Ganesh H, Nagaraju Y S, Vandana M, Ashokkumar S P, Yesappa L, and Vijeth H. **Devendrappa H**

Participated & presented a paper entitled “Optical, morphology and electrode properties of Reduced Graphene Oxide” in ICPN 2019 organized by Mangalore university mangalagagotri, India during 19-21st September 2019.

104 Ganesh H, Nagaraju Y S, Vandana M, Ashokkumar S P, Yesappa L, and Vijeth H. Devendrappa H.

Participated & presented a paper entitled “Synthesis and Characterization of Reduced Graphene Oxide for Energy Storage Application” in ICPN 2019 organized by Mangalore university mangalagagotri, India during 19-21st September 2019., Veeresh S,

105 Nagaraju Y S, Veeresh S, Ganesh H, , Vandana M, Ashokkumar S P, Yesappa L, and Vijeth H, **Devendrappa H**

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 mangalagagotri, India during 19-21st September 2019.

106 Nagaraju Y S, Veeresh S, Ganesh H, , Vandana M, Ashokkumar S P, Yesappa L, and Vijeth H. **Devendrappa H**

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 mangalagagotri, India during 19-21st September 2019.,

107 Nagaraju Y S, Ganesha H, Veeresha S, Vandana M, Ashokkumar S P, Vijeth H, **Devendrappa H**

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.

Editor to AIP proceedings

- ICPN-2019 International conference papers published in AIP conference proceedings, volume 2244, 2020,ISBN-978-0-7453-2003-8. (scitation.org/journal/apc)

Research Projects:

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

Completed projects

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 "S**tudy 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).

Ongoingprojects

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	submitted
10.	Vijeth	Ph D Programme	02-02-2016	Awarded
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.	Suresh D S	JRF- SERB Project	2020	On-Going

- **No. of Ph D awarded : 09**
- **Thesis submitted : 01**
- **No. of Ph D working : 06**

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).

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 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. Polymer: Elsevier
9. Material Research Express: IOP
10. Omega: ACS
11. Journal of Electroacta:Elsevier
12. RSC Advance: RSC

Fellowships/awards received by the faculty:

1. Raghu S, Subramanya Kilarkaje, Ganesh Sanjeev, **Devendrappa H**
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.
*

2. Archana K, Raghu S, Subramanya K, Sharanappa C, Mini V, **Devendrappa H**
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.

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, Mangalagangotri.
4. Member, Department of studies in Physics, Mangalore University, Mangalagangotri
5. Member of the Mangalore University Employee Co-operative Society, Mangalagangotri.
6. Member, Mangalore University Teacher Association, Mangalore University, Mangalagangothri.
7. General Seceratory of SC/ST Employee Association Mangalore University.

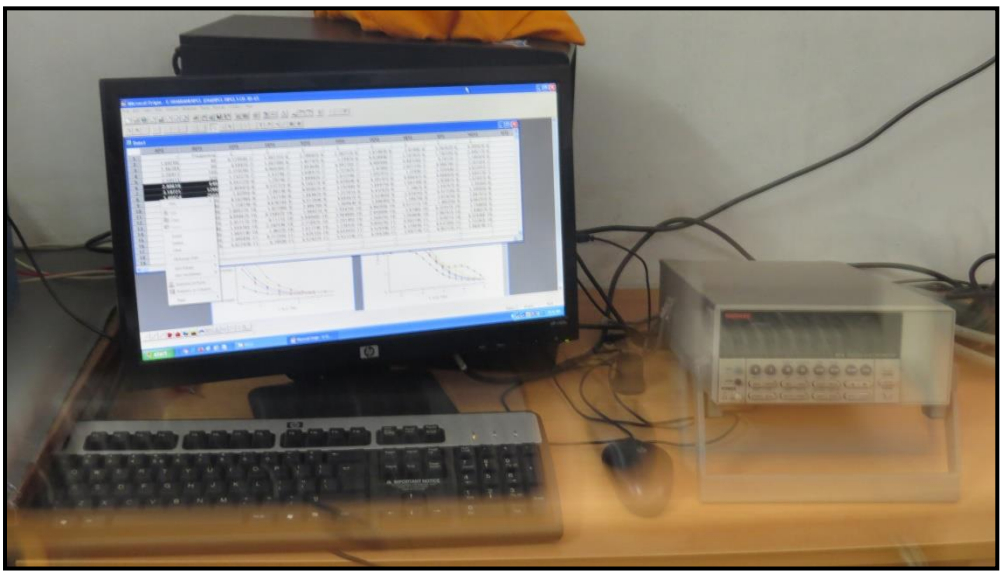
I certify that the information furnished above is true to the best of my knowledge.

Place: Mangalagangothri (Devendrappa H)

Date:

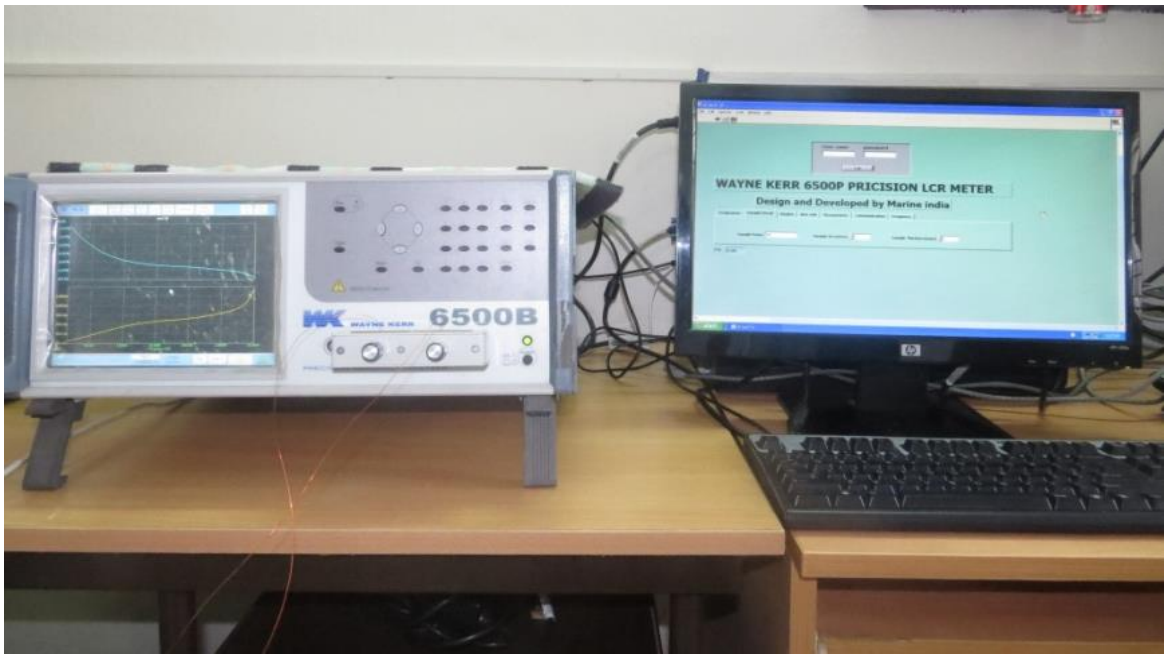
Research facilities

Keithley 6514 Programmable Electrometer



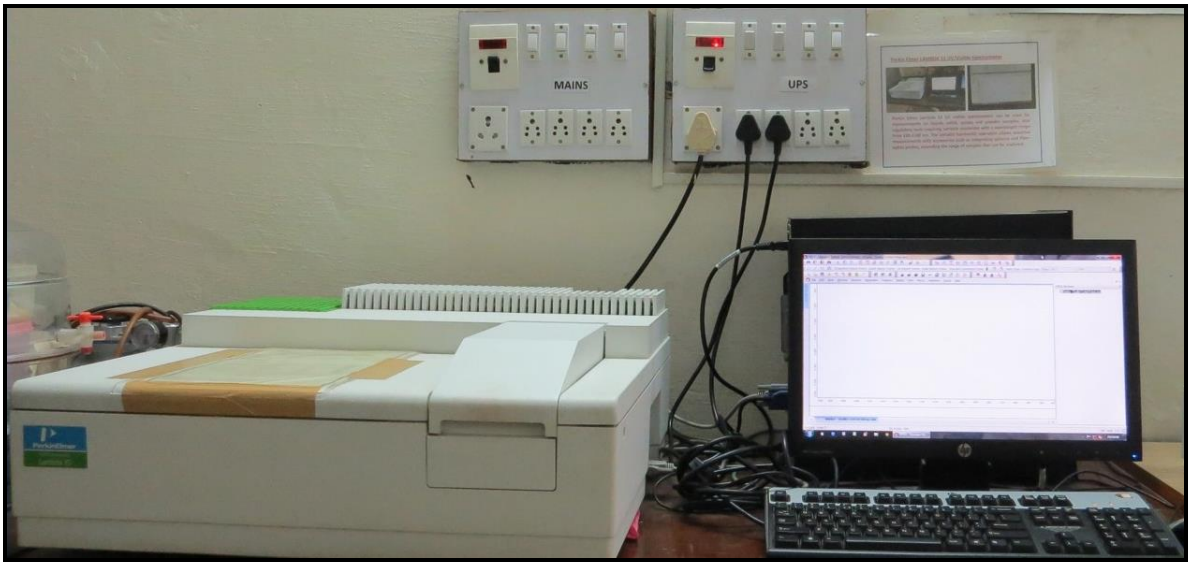
The Keithley 6514 Electrometer combines flexible interfacing capabilities with current sensitivity, charge measurement capabilities, resolution, and speed. Charge measurements are from 10fC to 20µC. Applications include measuring currents from light detectors and other sensors, beam experiments, and measuring resistances using a current source.

Wayne Kerr Precision Impedance Analyzers 6500B



Wayne Kerr 6500B Precision Impedance Analyzers provide precise and fast testing of components at frequencies upto 120 MHz. The instrument can be used for many different tasks and applications including passive component design, dielectric material characterisation and manufacturing test.

Perkin Elmer LAMBDA 35 UV/Visible Spectrometer

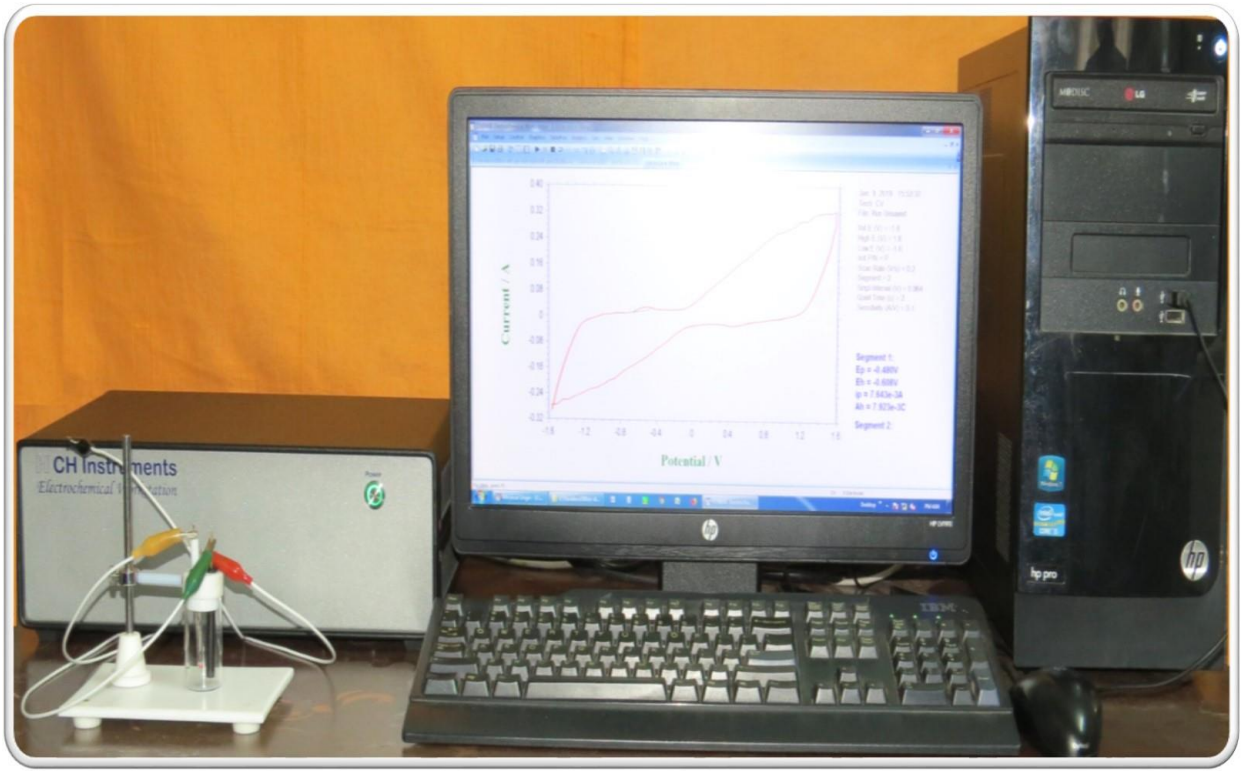


Perkin Elmer Lambda 35 UV visible spectrometer can be used for measurements on liquids, solids, pastes and powder samples, also regulatory tests requiring variable resolution with a wavelength range from 190-1100 nm. The variable bandwidth operation allows sensitive measurements with accessories such as integrating spheres and fiber-optics probes, extending the range of samples that can be analyzed.

MTI VTC-100 Vacuum Spin Coater

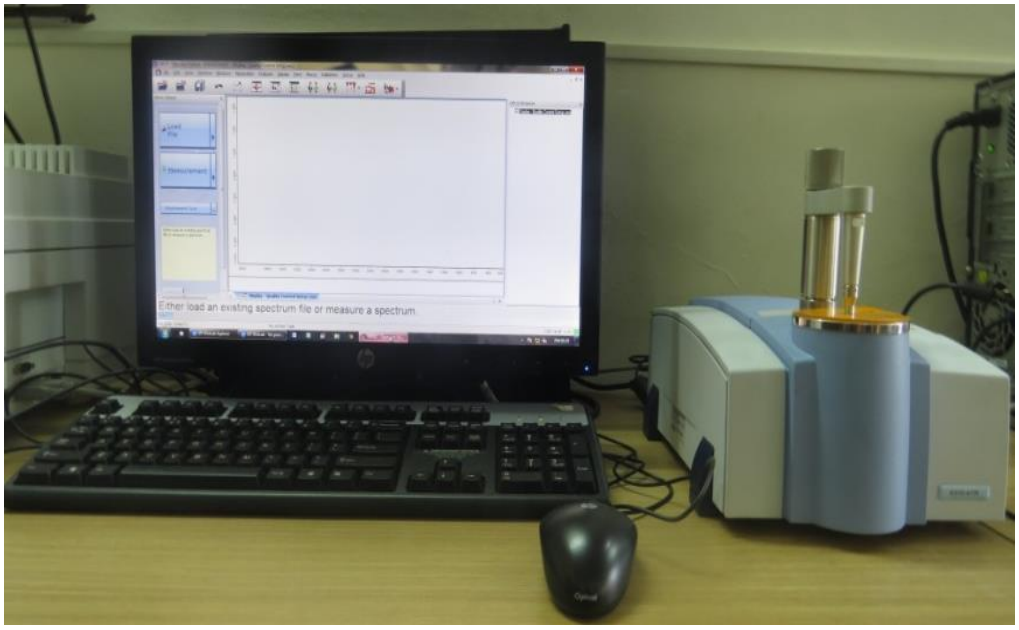
VTC-100A is CE certified compact spin coater with vacuum chucks designed for easy and quick coating via sol-gel for wafers up to 4". The spinning speed is variable from 500-8000 rpm with two programmable segments.

CHI660E Electrochemical Workstation



The model 600E series instrument is a computerized general purpose potentiostat / galvanostat. The potential control range is ±10V and the current range is ±250mA. The instrument is capable of measuring current down to picoamperes.

Bruker ALPHA ATR FT-IR Spectrometer



Bruker Alpha Spectrometer is an easy to use FT-IR sampling method that is suitable for both solids and liquids and does not require any sample preparation. The Eco ATR is a single reflection ATR sampling module with a very high performance ratio. It is equipped with a versatile high throughput ZnSe ATR crystal for the analysis of powders, solids, pastes and liquids.

Spray pyrolysis

Actuator	:	Stepper motor
Dispensing unit capacity	:	50ml & 250ml
Dispensing rate	:	1 - 10ml / min.
Sprayer		
Drive speed X axis (min-max)	:	10 - 800mm / sec
Drive speed Y axis (min-max)	:	1 - 12mm / sec
Sprayer traverse	:	X - Y 200mm max.
Substrate base plate		
Dimension	:	150 x 150mm
Max. temperature	:	500° C
Power input	:	230V, 50Hz
PC connectivity	:	Serial port (RS 232)

Glove Box

Chemical Laboratory