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1. Unidirectional seeded growth of L-Glutamic acid hydro bromide Single Crystal and Its Characterization
   Muthuswamy Senthilkumar, Pramod K Singh, R. Sathyalakshmi, K. Pandiyan, Rakesh Kumar Karn
   *Phase Transitions* 93 (2020) 83-90 (*SCI, Imp. Fac. 1.09*)

2. Investigation on luminescence properties of CaLaAl₃O₇ doped with Sm³⁺ ions phosphors prepared by sol-gel procedure
   Vijay Singh, D.A. Hakeem, G.Lakshminarayana, Pramod K Singh, S. Kokate

3. Binder free reduced graphene oxide as electrode material for efficient supercapacitor with aqueous and polymer electrolytes
   Manoj Karakoti, Ritu Jangra, Sandeep Pandey, PS Dhapola, Sunil Dhali, Suman Mahendia, Pramod K Singh, NG Sahoo

4. Polyvinylpyrrolidone with ammonium iodide and 1-hexyl-3-methylimidazolium iodide ionic liquid-doped solid polymer electrolyte for efficient dye sensitized solar cell
   Diksha Singh, Pawan Singh Dhapola, Vijay Kumar, Pramod Kumar Singh

5. Poly(vinylidene fluoride-cohexafluoropropylene)-doped zinc acetate polymer electrolyte for supercapacitor application
   Miliyon Yohans, M Singh, RC Singh, PK Shukla, Pramod Kumar Singh

6. Ionic liquid (1-hexyl-3-methylimidazolium iodide)-incorporated biopolymer electrolyte for efficient supercapacitors
   Himani Ahuja, Pawan Singh Dhapola, Rahu Nanda Gopal Sahoo, Vijay Singh and Pramod K Singh

   Sanjay Kumar, M S Javed, P Kumar, Sachin Gupta, Rishendra Kumar, Pramod Kumar Singh

8. Phytochemical investigation and antioxidant characterization of essential oil from roots of *Rumex nepalensis* Spreng high altitude of North India
   Sanjay Kumar, Pramod K Singh

9. Modification of properties of polymer electrolyte by incorporation of titanium dioxide nanoparticles
   Amit Sachdeva, Pramod K Singh
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11. Synthesis, characterisation and synergistic effect of ZnO nanoparticles to antimicrobial activity of Silver nanoparticles
    Amit Sachdeva, Shruti Singh, Pramod K Singh
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12. Effect of incorporation of Zinc Oxide Nanoparticles on properties of PEMA based polymer electrolyte
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13. Highly efficient sandwich structured Perovskite solar cell using PEDOT:PSS in room ambient conditions

14. High Conducting Polyethylene Oxide (PEO) with Phosphotungstic Acid (PTA) for Electrochemical Application
Pratap Singh, Shruti Singh, Pramod K Singh
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15. High Conducting Polyethylene Oxide (PEO) with Phosphotungstic Acid (PTA) for Electrochemical Application
Amberbir Getaneh Tadesse, Pramod K Singh, P S Dhapola, Ram Chandra Singh, K. K. Pandey
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9. Review of current progress in inorganic hole-transport materials for perovskite solar cells
Rahul Singh, B. Bhattacharya, Pramod K Singh and Hee Woo Rhee

10. Ultraviolet B emission from a Gd³⁺-doped BaAl₂O₄ powder phosphor

11. Quantitative analysis of ion transport mechanism in biopolymer electrolyte
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12. Progress, status and prospects of nonporous, heteroatom doped carbons for supercapacitors and other electrochemical applications
Meenal Gupta, Pramod K. Singh, B. Bhattacharya, Y M Shulga, N Y Shulga, Yogesh Kumar

13. Utilizing reduced graphene oxide for achieving better efficient dye sensitized solar cells
Karan Surana, Subhrajit Konwar, Pramod K. Singh, Bhaskar Bhattacharya
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Rachana Ranu, Y. Chauhan, A Ratan, Pramod K. Singh, B. Bhattacharya
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17. High purity graphene oxide using electrochemical synthesis and its application
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18. Polyvinylpyrrolidone (PVP) with ammonium iodide (NH₄I) and 1-hexyl-3-methylimidazolium iodide ionic liquid doped solid polymer electrolyte for efficient supercapacitors
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Pawan S.Dhapola, N G. Sahoo, B Bhattacharya, Yogesh Kumar, Pramod K Singh, M Gupta
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21. Green emitting Tb doped LiBaB₄O₉₃ phosphors
Vijay Singh, K.N. Shinde, N. Singh, M.S. Pathak, Pramod K. Singh, Vikas Dubey
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25. Charge carriers dynamics in PEO + NaSCN polymer electrolytes
Sandeep Gupta, Pramod K Singh and B. Bhattacharya

26. UV emission from Gd³⁺ ions in LaAl₁₀O₁₈ phosphors

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Vijay Singh, N. Singh, Vikas Dubey, Pramod K. Singh, K.N. Shinde, V.V. Ravi Kanth Kumar
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29. Luminescent properties of green emitting Tb³⁺ doped Sr₂ZnSi₃O₇ phosphors

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Optik 158 (2018) 1227-1233 (SCI, Impact Fac. 1.914)

31. Effect of corona discharge on cadmium sulphide and lead sulphide films
Anemone Koul Chaku, Pramod K Singh and Bhaskar Bhattacharya
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33. Green emission from Tb³⁺-doped CaLaAl₂O₅ phosphor – A photoluminescence study
Optik 164 (2018) 407-413 (SCI, Impact Fac. 1.914)

34. Effect of carbon nanotubes as dispersoid in polymer electrolyte matrix
Annubhawi Annu, Abhimanyu Singh, Pramod K. Singh, B. Bhattacharya
35. Electrical and Structural property of multi-wall carbon nanotube doped polymer electrolyte for Photoelectrochemical device
   A. Sachdeva, B. Bhattacharya, Vijay Singh, Abhimanyu Singh, S K Tomar and Pramod K Singh

36. PVDF-HFP and 1-Ethyl-3-methylimidazolium Thiocyanate doped Polymer Electrolyte for efficient Supercapacitors
   Pankaj Tuhania, Pramod K. Singh, B. Bhattacharya, P S. Dhapola, Shivani Yadav, P. K. Shukla, Meenal Gupta
   *High Performance Polymers* 30 (2018) 911-917 (*SCI, Imp. Fac. 1.584*)

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   Rahul, Pramod K Singh, B. Bhattacharya, Zishan H Khan
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38. Synthesis, Characterization, and Detailed Studies on Plasticized Poly(ethyl methacrylate): NH$_4$I Polymer Electrolyte
   Umar M Jibreel, B. Bhattacharya and Pramod K. Singh
   *Advances in Polymer Technology* 37 (2018) 542-546 (*SCI, Imp. Factor 2.663*)

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   *Optik* 168 (2018) 475-480 (*SCI, Impact Fac. 1.914*)

41. Low Viscosity Ionic Liquid Doped Solid Polymer Electrolytes: Electrical, Dielectric and Ion Transport Studies
   Sandhya Gupta, Pramod K Singh, B. Bhattacharya

42. Conductivity and Dielectric studies of Li$^{3+}$ irradiated PVP based Polymer Electrolytes
   Divya Singh, D. Kanjilal, G.V.S. Laxmi, Pramod K Singh, S K Tomar, Bhaskar Bhattacharya

43. Study of magnetic phase transformations and magnetocaloric effect of nanocrystalline Co-based Heusler Alloy prepared by ball milling
   Yogesh Srivastava, S. Rathod, Pramod K Singh, S. K. Bajpai, Sanjay Srivastava

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   PS Dhapola, Pramod K Singh, B. Bhattacharya, K Surana, R M Mehra, M Gupta, A Singh, V Singh and N G Sahoo

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   Rahul, Pramod K Singh, B. Bhattacharya, Zishan H Khan
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46. Tb$^{3+}$ doped Ca$_2$La$_6$(SiO$_4$)$_6$O$_2$ oxyapatite phosphors
   Vijay Singh, N. Singh, M.S. Pathak, Pramod K. Singh, V. Natarajan

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   Shiv Shankar Gaur, Rahul Singh, Pramod K. Singh and Yogesh Kumar
   *Recent Innovations in Chemical Technology* 11 (2018) 40-44

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J. Alloys and Compounds 691 (2017) 970-982. (SCI, Imp. Fac. 4.175)

51. Visible upconversion in Er\(^{3+}\)/Yb\(^{3+}\) co-doped LaAlO\(_3\) phosphors  

52. Studies of radiation-induced defects in Li\(_2\)SiO\(_4\):Sm phosphor material  

53. Probing the Thermodynamic and Magnetic Properties of UV-B Emitting GdAlO\(_3\) Phosphors by ESR and Optical Techniques  

54. Optical and EPR spectroscopic studies of deep red light emitting Fe-doped LiAlO\(_3\) phosphor prepared via propellant combustion route  

55. Effect of crystal and powder of CH\(_3\)NH\(_2\)I on the CH\(_3\)NH\(_2\)PbI\(_3\) based Perovskite sensitized solar cell  

56. Electrical, optical and photoelectrochemical studies on Agarose based biopolymer electrolyte towards dye sensitized solar cell application  
Rahul Singh, B. Bhattacharya, S. K. Tomar, V. Singh and Pramod K Singh  

57. Synthesis and Properties of Polyaniline, Poly (o-anisidine) and Poly (aniline-co-o-anisidine) using potassium iodate oxidizing agent  
Manglik Neetika, Jain Rajni, Pramod K Singh, V. Singh, B.Bhattacharya and S. K. Tomar  
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Pratap Singh, B. Bhattacharya, Pramod K Singh  

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60. Electrical & Structural properties of ionic liquid doped gel polymer electrolyte for dual energy storage devices  
Rahul Singh, B. Bhattacharya, Meenal Gupta, S K Tomar, Vijay Singh and Pramod K Singh  
61. Cadmium zinc sulfide (CdZn\textsubscript{x},S) Films: Effect of annealing
   Animone Kaul Chaku, Pramod K. Singh and B. Bhattacharya

62. Electrical and structural properties enhancement in plasticized high T\textsubscript{g} Polymers using metal salts
   Amit Sachdeva, Rahul Singh, Bhaskar Bhattacharya, \textbf{Pramod K. Singh}
   \textit{Phase Transition} 90 (2017) 1143-1153. (SCI, Imp.Fac. 1.026)

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   Rahul, B. Bhattacharya, \textbf{Pramod K Singh}
   \textit{Current Nanomaterials} 1 (2016) 171-175

64. Effect of annealing on photoluminescence properties of combustion synthesized ultraviolet-emitting cerium-ion-doped LiAl\textsubscript{5}O\textsubscript{8} phosphor
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   Rahul, B. Bhattacharya, \textbf{Pramod K. Singh}, Zishan H. Khan, Meenal Gupta

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   Rachana Ranu, Yatishwar Chauhan, \textbf{Pramod K Singh}, B. Bhattacharya & S. K. Tomar
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   \textit{Journal of Luminescence} 178(2016) 479-486. (SCI, Imp.Fac. 2.961)

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   Divya Singh, \textbf{Pramod K Singh}, B. Bhattacharya

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   Rahul Singh, B. Bhattacharya, A. P. Reddy, Canan Varlikli, Hee-Woo Rhee, \textbf{Pramod K. Singh}

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   Asmat Nawaz, Rehana Sharif, Hee - Woo Rhee, \textbf{Pramod K Singh}

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   Rahul Singh, \textbf{Pramod K Singh}, S. K. Tomar, B. Bhattacharya
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Pramod K. Singh, Sabin KC, Xuyuan Chen

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81. Visible up-conversion and infrared luminescence of Er\(^{3+}/\)Yb\(^{3+}/\)Zn\(^{2+}\) co-doped c-LiAlO\(_{2}\) phosphor

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83. Combustion Synthesized Cr\(^{3+}\)-doped-BaMgAl\(_{10}\)O\(_{17}\) Phosphor: An Electron Paramagnetic Resonance and Optical Study

84. Optical characterization, absorption and upconversion luminescence in Er\(^{3+}\) and Er\(^{3+}/\)Yb\(^{3+}\)doped In\(_2\)O\(_3\) phosphor

85. Combustion synthesized Fe doped CeO\(_2\) powder-characterization, optical absorption and EPR spectroscopy

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Vivek Kr Singh, B. Bhattacharya, S. Shukla and Pramod K. Singh

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Nitin A. Jadhav, S. K. Tomar, Pramod K Singh, B. Bhattacharya

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N. A. Jadhav, Pramod K. Singh, Hee Woo Rhee, S. P. Pandey and B.Bhattacharya


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Rahul Singh, B. Bhattacharya, Hee Woo Rhee, Pramod K Singh

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Hima Saxena, B. Bhattacharya, N A. Jadhav, S. Shukla, M. Dubey, Vivek Kr. Singh, Pramod K. Singh

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Hee Woo Rhee, B. Bhattacharya, Pramod K Singh and Upasana Singh

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103. Synthesis, Characterization and Application of CdSe quantum dots
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Manjeet Singh, Vivek Kr. Singh, Karan Surana, B. Bhattacharya, Pramod K. Singh and Hee Woo Rhee

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Amit Saxena, Pramod K. Singh, B. Bhattacharya
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Vivek K. Singh, A. Annu, Upasana Singh, Prabhakar Singh, Bhaskar Bhattacharya, Pramod K. Singh
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127. Effect of nano TiO₂ dispersion on PEO polymer electrolyte property
Pramod K. Singh, B. Bhattacharya and R.K. Nagarale

128. Importance of ionic liquid doped solid polymer (PVPI) electrolyte
Pramod K. Singh

129. Progress in Ionic Organic-Inorganic Composite Membranes For Fuel Cell Applications (Review Article)
R. K. Nagarale, Woon-Sup Shin, Pramod K. Singh

Year 2009

130. Ionic liquid (1-methyl 3-propyl imidazolium iodide) with polymer electrolyte for DSSC application.
Pramod K. Singh, K.W. Kim and H.-W. Rhee

131. Preparation, characterization and application of ionic liquid doped solid polymer electrolyte membranes.
Pramod K. Singh, Kang-Wook Kim, R. K. Nagarale and Hee-Woo Rhee

132. Quantum dot doped solid polymer electrolyte for device application.
Pramod K. Singh, Kang-Wook Kim and Hee-Woo Rhee

133. Development and characterization of ionic liquid doped thin solid polymer electrolyte membranes for better efficiency.
Pramod K. Singh, K.W. Kim and H.-W. Rhee
Synthetic Metals 159 (2009) 1538-1541 (SCI, Impact Factor 2.870)

Year 2008
134. Mesoporous nanocrystalline TiO₂ electrode with ionic liquid based solid polymer electrolyte for dye sensitized solar cell application.

Pramod K. Singh, K.W. Kim, N.G. Park and H.-W. Rhee


135. Nanocrystalline porous TiO₂ electrode with ionic liquid impregnated solid polymer electrolyte for Dye sensitized solar cells.


136. Electrical, optical and photoelectrochemical studies on a PEO-polymer electrolyte doped with low viscosity ionic liquid.

Pramod K. Singh, K.W. Kim and H.-W. Rhee

Electrochemistry Communications 10 (2008) 1769-1772 (SCI, Impact Factor 4.197)

Year 2007


Pramod K. Singh, K.I. Kim, N.G. Park and H.-W. Rhee


Year 2006

138. Thermal and Electrical Transport in ionic conductors : A correlation

S.Chandra, S.B.Rai, Pramod K. Singh , K.Kumar, A.Chandra


139. On the correlation between thermal diffusivity and electrical conductivity in ionic conductors.

S.Chandra, S. B. Rai, Pramod K. Singh, Kaushal Kumar and A. Chandra


140. Ionic noise measurement in polymer electrolytes.

A. Chandra, D.P. Singh, P.K. Singh, N. Khare and S.Chandra


141. Polymer Electrolyte with Ionic Liquid for DSSC Application.


Year 2003

142. Role of the dielectric constant of ferroelectric ceramic in enhancing the ionic conductivity of polymer electrolyte composite.

Pramod Kumar Singh and A. Chandra


Year 2002


P. K. Singh, Rana Pratap and Amreesh Chandra


144. Polymer Electrolyte Composites with dispersed Semiconductors.

P. K. Singh, S. Chandra and A. Chandra


145. Semiconductor-dispersed polymer electrolyte composites.

A. Chandra, P. K. Singh and S. Chandra


146. Ion conducting polymer electrolyte composites dispersed with ferroelectric Ba₀.₇₅Sr₀.₃₀TiO₃ ceramic powder.

P. K. Singh, and A. Chandra

Natl Acad Sci Lett 25 (2002) 286-293. (SCI, Imp.. Factor 0.331)

In International Conference Proceedings (3)

1. New interfacial phase formation in NiCl₂.6H₂O:Al₂O₃ composite and ion transport properties.


2. Dependence of conductivity enhancement on the dielectric constant of the dispersoidin polymer-ferroelectric composite electrolytes


**Book/Chapter (5): Published:3; Under Publication:2**

**Published (3)**


**Chapter 6**

Recent Characterisation of Sol-Gel Synthesised TiO$_2$ Nanoparticle

By Muhamad Zamri Yahaya, Mohd Asyadi Azam, Mohd Asri Mat Teridi, Pramod Kumar Singh and Ahmad Azmin Mohamad

3. Recent Scenrio of Solid Biopolymer Electrolytes Based Dye sensitized solar cells  
   (November 28, 2017) CRC Press (Taylor & Francis Group, USA)  
   Rahul Singh, Pramod K.Singh, B. Bhattacharya  

4. Polymer Electrolytes: Applications and Challenges (Volume 2)  
   Pramod K. Singh, Rahul Singh, Rahul Johari, B. Bhattacharya  
   (2017) To be Published by Willey

**Chapter 11**

Polymer Electrolytes for Perovskite Solar Cell and Challenges

Rahul Singh, Hee-Woo Rhee, Bhaskar Bhattacharya, Pramod K. Singh  
Book Editor(s): Tan Winie Abdul K. Arof, Sabu Thomas  
First published: 08 November 2019  
[https://doi.org/10.1002/9783527805457.ch11](https://doi.org/10.1002/9783527805457.ch11)

**Under Publication (1)**

1. Present Scenrio of Solid Biopolymer Electrolytes Based Battery and Dye sensitized solar cells  
   (2017) Published by Springer  
   Pramod K.Singh, Rahul Singh, Rahul Johari, B. Bhattacharya

2. Composite Materials: Properties, Characterisation and Applications  
   (2020) Published by CRC Press  
   Amit Sachdeva, Pramod K Singh

(Communicated: Total 6)

1. Stable, highly efficient Supercapacitor based on porous carbon electrodes and ionic liquid electrolyte  
   Pramod K Singh  
   Communicated in International J Hydrogen Energy

   Pratap Singh, Pramod K Singh

2. Stable Room Ambient, Highly Efficient Perovskite Solar Cell using PEDOT: PSS  
   Monika Srivastava, Pramod K Singh, Karan Surana, Ram Chandra Singh
Miscellaneous Training / Awards etc.

Best Poster awards:
2. I"International Conference on Electroactive Polymer held at Dalhousie, India, Nov.1-5, 2004
3. HOMRC workshop, Muju, S. Korea, June 14-16, 2006

Research Work Done during Ph.D: (Total 8 Years; from 1995-2003)
The main area of my research is “Ion conducting polymers, Solid composites.” I developed some mixed (ion+electron) conducting polymeric films by “in situ” dispersing nano size semiconductors PhS, CdS, ZnS etc. during the period of my Ph.D. thesis work. Interesting results on structural and electrical properties of PEO -films were obtained when nano - size semiconductors were dispersed. Apart from enhancement in ionic conductivity at some optimum composition, films were found to have different absorption spectra as a result of quantum-size effect.

Research Work Done during Post Doc: (~ 6 Years)

(a) In India (Banaras Hindu University; from 2003-2005, as SRF/Research Associate)
As a part of my postdoctoral work in India, the following studies have been carried out:-
(i) To improve electrical/ mechanical properties of polymer electrolyte films, I have dispersed ferroelectric ceramic powders having high dielectric constant.
(ii) Thermal diffusivity of polymer composites having different electrical conductivity has been measured by Photoacoustic Technique. A correlation has been established.

(b) In S. Korea (Sogang University; from 1-7-2005 ~ 30-7-2009 as Post-Doc/Research Professor)
As a part of my postdoctoral work in S. Korea, I have concentrated on fabrication and characterization of mesoporous TiO₂ electrode and PEO/ Ionic liquids as electrolyte for Dye sensitized solar cell (DSSC) application. Since I have basic knowledge of polymer electrolyte during my Ph.D., I have successfully fabricated mesoporous TiO₂ electrode (pore diameter ~13 nm) having thickness ~10 μm and TiO₂ interchannel particles (particle size ~20-25 nm). In electrolyte it has been found that the doping of ionic liquid enhances ionic conductivity by reducing crystallinity. DSSC without ionic liquid showed 1.04 % efficiency while doping of ionic liquid enhances efficiency (1.23 %) at 1 sun light intensity (100 mW/cm²). Further the optimization of solar cell efficiency by modifying the TiO₂ electrode and new solid polymer/IL electrolytes (Chitosan, Biopolymer) showed that efficiency could reach ~2.3 % at 1 sun condition.

(c) In Sharda University, Greater Noida, India ( from 1-8-2009 ~ 10-5-2014) as Teacher/Researcher
After return back from South Korea I have joined Sharda University, India as a Assistant Professor in 2009. I have taught many courses in UG and PG level (mentioned above). During above said period apart from teaching I have well established a well equipped lab. known as Material Research Lab. In Sharda University and actively carried our research activity in an International status. More details can be find as www.materialsresearchlab.net

Soon I have well equipped lab with researchers I have move forward in Polymer electrolyte area, Nanomaterials, Dye sensitized solar cell and published ~32 International Publication. With this achievement I have promoted as Associate Professor in year 2012 and continue my service till. 10-5-2014.

(d)In Norway (Vestfold University College, Norway from 25-5-2014 to 30-7-2015 as Post-Doc)
During post doc journey in Norway, with my earlier experience in Dye sensitized solar cell I had worked on “EDLC and ESC Supercapacitor’s on Si-chip”.

(e)In Turkey (Solar Energy Institute, Ege University, Turkey from 30-9-2015 ~30-7-2016 as TUBITAK fellow)
In 2015, I got selected in TUBITAK fellow with Prof. Canan Verlikli, Ege University, Turkey and join here on 30th Sept. 2015. Within my earlier experience in Dye sensitized solar cell and Supercapacitor I have attempted and establish some novel work on “EDLC Supercapacitor’s using solid polymer electrolyte”.

Paper presented in Seminar/Conferences/Symposia: (Total 36)
National (in India): Total 12
Presented a paper entitled “Conductivity of Polymer composites with high dielectric constant ferroelectric ceramics and high band gap semiconductors as dispersoids” in the Fifth National Conference on SSI held at Nagpur, 2002.


International: Total 25

Presented a paper entitled “Semiconductor Dispersed Polymer Electrolyte Composites” in the International Conference on SSI held at Cairns, Australia, July 8-13, 2001.


Presented a paper entitled “PEO - based Polymer electrolyte for DSSC application” in the Polymer Society of Korea Conference held at Ilson, S. Korea, April 6-7, 2006

Presented a poster entitled “PEO- Polymer electrolytes incorporated with Ionic Liquid for Dye sensitized Solar cell” in the 17th Symposium on Molecular Electronics and Devices “ME & D” held at Hanyang University, Seoul, S. Korea, June 22-23, 2006


(8) Attended the 3rd East Asia Symposium on Functional Dyes & Advanced Materials and presented a poster entitled “Thick mesoporous TiO2 electrode and ionic liquid incorporated polymer electrolyte for DSSC application” held at Ulson, S. Korea, October 10-12, 2007.

(9) Attended the International Conf. on Nano Science and Nano Technology (GJ-NST 2007) and presented a paper entitled “Nanocrystalline porous TiO2 electrode with ionic liquid impregnated solid polymer electrolyte for DSSC” held at Gwangju, Korea, Nov. 8-9, 2007.

(10) Attended the World Forum on Advanced Materials (POLYCHAR 16) and presented a paper entitled “Ionic liquid (1-propyl 3 methyl imidazolium iodide) with polymer electrolyte for DSSC application” held at Lucknow, India, Feb. 17-21, 2008.


(14) ORAL TALK on topic “Porous nanocrystalline TiO2 electrode and poly (N-methyl 4-vinylpyridine iodide) – ionic liquid solid polymer electrolyte for device application” in the International Conference cum Workshop on Nanoscience & Nanotechnology to be held at Ansal Institute of Technology, Gurgaon, India, October 12-16, 2009.


Year 2012-13

(16) Presented a paper entitled “Biopolymer gel electrolytes for electrochemical Application” in the 5th International Conference on Electroactive Polymers: Materials and Devices held at Banaras Hindu University, Varanasi, India, Nov. 4-9, 2012.

(17) Attended the World Forum on Advanced Materials (POLYCHAR 21) and presented a paper entitled “New Polymer electrolyte for Electrochemical Application” to be held at Gwangju, S. Korea, March 11-15, 2013.

Year 2014-15

(18) Presented an invited paper entitled “Microsupercapacitors based on doped Si-grass electrode and solid gel electrolyte in the 5th International Conference on Functional Materials and Devices (ICFMD 2015) held at University of Malaya, Malaysia, August 4-6, 2015.

Year 2015-16

(19) Presented a poster entitled “1- Propyl -3- methyl imidazolium bis(trifluoromethyl sulfonyle)imide blended gel polymer electrolyte for supercapacitor application in the International Symposium for the 80th Birthday of Prof. Alan J. Heeger (Nobel prize 2000) held at Johannes Kepler University of Linz, Austria, March 21, 2016.


Year 2016-17


Year 2017-18

(22) Attended the International Symposium on Computational Science and its Applications held at Sharda University, India, February 5-6, 2018.
Year 2018-19


(24) Presented an invited Talk entitled “Low viscosity Ionic liquid doped solid polymer electrolyte for energy applications” in the Energy, Functional Materials and Nanotechnology (ICEFN-2019, 24-26th May 2019) held at Kumaun University, Nanital, India


References:

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   E mail: solidranveer@gmail.com