CURRICULUM VITAE

Dr. Koramala Naveen Kumar
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Educational Qualifications

ACADEMICS	UNIVERSITY/BOARD	YEAR	PERCENTAGE (%)
POSTDOCTORAL FELLOW	**TONGMYONG UNIVERSITY, SOUTH KOREA**	**2017**	---
Assistant Professor	**YEUNGNAM UNIVERSITY, SOUTH KOREA**	**2016**	**---**
POSTDOCTORAL FELLOW	**YEUNGNAM UNIVERSITY, SOUTH KOREA**	**2015**	---
Ph.D. (Full time)	Sri Venkateswara University, Tirupati, Andhra Pradesh, India.	2015	68.72
M. Phil. (Physics)	Sri Venkateswara University Tirupati, Andhra Pradesh, India.	2012	68.72
M.Sc. (Physics)	Sri Venkateswara University, Tirupati, Andhra Pradesh, India.	2009	69.21
B.Ed (Physics)	Sri Venkateswara University Tirupati, Andhra Pradesh, India.	2007	64.52
B.Sc. (Mathematics, Physics& Chemistry)	Sri Venkateswara University, Tirupati, Andhra Pradesh, India.	2005	58.11
Intermediate (Mathematics, Physics & Chemistry)	Board of Intermediate Education, Hyderabad, India.	2002	68.70
SSC	Secondary School Board Hyderabad, A.P., India.	2000	72.64

Ph.D details

Ph.D Title: Studies on Magnetic, Electrical and Energy Transfer BasedPhotoluminescence Properties of Certain Transition Metal and Rare Earth Ions Doped PEO+PVP Blended Polymer Films for Electrochemical and Display Device Applications

Abstract:

The thesis brings out the results concerning magnetic, electrical properties of certain transition metal (Cr^{3+}, Mn^{2+}, Fe^{3+}, Co^{2+}& Ni^{2+}) ions and energy transfer based photoluminescence properties of certain rare earth ions (Tb^{3+}+Eu^{3+}), (Dy^{3+}+Sm^{3+}), (Tb^{3+}+Sm^{3+}) & (Sm^{3+}+Eu^{3+}) co-doped in PEO+PVP blended polymer films. From the obtained results, concerning structural (XRD, FTIR & Raman), thermal (TG-DTA), dielectric (ε′& tanδ), ionic conducting properties, EPR and VSM analysis of these PEO+PVP polymer films have been considered here, to dope them with certain transition metal [$Mn^{2+}(3d^5)$, $Fe^{3+}(3d^5)$, Co^{2+} $(3d^7)$, Cr^{3+} $(3d^3)$ and $Ni^{3+}(3d^8)$] ions each separately to investigate their photoluminescence, and also their dielectric (ε′& tanδ), ionic conductivities and magnetic properties. It has also been proposed to investigate a couple of transition metal and rare earth ion pair and also dual rare earth ions [$Mn^{2+}(3d^5)$+ $Tb^{3+}(4f^8)$, Eu^{3+} $(4f^6)$+ $Tb^{3+}(4f^8)$, ($Sm^{3+}(4f^5)$+ $Dy^{3+}(4f^9)$, ($Tb^{3+}(4f^8)$+$Sm^{3+}(4f^5)$ and Sm^{3+} $(4f^5)$+$Eu^{3+}(4f^6)$] doped PEO+PVP polymer in understanding their energy transfer processes that enhance emission from such luminescent polymeric materials.

Projects Involved

- Worked as a **Project Fellow** (JRF) under UGC-SAP-CAS program sanctioned to the department of Physics, S. V. University, Tirupati by University Grants Commission, New Delhi, India from March 2009 to March2014.

Skills acquired

- Ability to work independently as well as in a team with others
- Expertise in the preparation of syllabus for any other course in an academic field and Expertise in synthesizing the Polymer nano composites and nano materials in the research area.
- Good experimental skills in the preparation of polymer nano composites using both physical and chemical techniques viz.
  - Solution casting method
  - Solid State Reaction method
  - Sol-gel method
- Sound knowledge on the following characterization techniques
  - X-ray diffraction
  - UV-Vis- NIR spectroscopy
  - SEM attached with EDS
  - TEM and HR-TEM
  - Photoluminescence spectroscopy
  - FTIR spectroscopy
  - Raman spectroscopy
  - AFM
  - EPR
  - VSM
  - Electrical and Dielectric

- Photoluminescence (PL)

- Adequate knowledge on the preparation of presentations, project proposals and reporting making.
- **Expert in operating the Confocal Raman spectrometer. The Candidate operates the RamanSystemfor4yearsinthedepartmentofPhysics,S.V. University, Tiruapti.**
- **The Candidate especially operates the instruments such as UV-Vis-NIR spectrophotometer, X-ray Diffractometer, SEM with EDS and also expertise knowledge in Fluorimeter.**

Computer Knowledge

- MS-Office, Adobe Photoshop
- Origin Pro 7.0 and PowderXsoftwares
- Programming Languages: C & C++, Oracle

Teaching Experience

- Handled theory classes for M.Sc. Physics (**Distance Education)** at Sri Venkateswara University, Tirupati. (**During 2010-2014**)
- Handled theory classes for M. Sc Biotechnology to teach the BioPhysics at Sri PadmavathiMahila University, Tirupati (**During 2011-15**)
- Handling theory and practical classes now for M.Sc chemistry students to teach the Nanomaterials chemistry at Yeungnam University, Gyeongsan, South Korea (**During 2016 -2017**).

List of Research Projects involved

1. I have worked in **UGC-SAP-CAS Programme** in Department of Physics, Sri Venkateswara University, Tirupati during 05 Feb. 2010 to 30th April 2015. I have published **7** publications during this period.

2. I have worked as a **Postdoctoral Fellow** in Department of Chemistry, Yeugnanm Univeristy, Republic of Korea in the project of **Yeungnam University Research Grant (No: 215A345015) under the supervision of Professor Misook Kang.**

3. I have worked as **Research Professor** in Department of Chemistry, Yeungnam University, Republic of Korea. During this period I was supported by the Basic Science Research Program through the National Research Foundation of Korea (NRF) funded by the Ministry of the Science ICT & Future Planning (NRF-2015R1A1A3A04001268).

4. I have worked as a **Postdoctoral Fellow** in School of Information Engineering, Tongmyong University, Busan, 608-711, Republic of Korea. During this period I was supported by Basic Science Research Program through the National Research Foundation of Korea (NRF) funded by the Ministry of the Science ICT & Future Planning (NRF- 2015R1A1A3A04001268) and National Research Foundation of Korea (NRF) grant funded by the Korea Government (MSIP) (No. 2015R1C1A2A01052256) and National Research Foundation of Korea (NRF) grant funded by the Korea government (No. NRF- 2016M2B2A9A02945310) and National Research Foundation of Korea (NRF) funded by the Ministry of Education (2014R1A6A1031189).

References

1. **Professor Jong Su Kim**
   Semiconductor Nanodevice Research Lab. (SNRL)
   Department of Physics, **Yeungnam University**,
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   http://physics.yu.ac.kr

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   Department of Chemistry
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3. **Professor Y.C. Ratnakaram**
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4. **Dr. J. Lakshmana Rao**
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5. **Dr. Bipin Kumar Gupta**
   Scientist
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6. **Dr. J. Hemalatha**
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   Department of Physics
   National Institute of Technology (NIT)
   Trichy, Tamilnadu, INDIA.
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   Mobile: +91-431-2503608

Professional Qualifications

- **Research Articles** **29 (*International*) 4 (*National*)**
- **Conference Proceedings** **3 *(International)***
- **Conference Presentations** **08 (*International*) 5 (*National*)**
- **Workshops attended** **02 (National)**

As a Reviewer

✓ **Reviewed Research Articles** **15 (*International*) 0(*National*)**

Reviewed Research Articles Journals Names:

1. **Dolton Transactions**
2. **ElectrochimicaActa**
3. **Journal of Applied Polymer Science**
4. **Journal of Non-Crystalline Solids**
5. **Journal of King Saud University – Science**
6. **Polymer Bulletin**
7. **Polymer Composites**

As an Editor

1. **SciFed Journal of Laser and Optics**

Awards

- **Best Oral Presentation Award** in " One Day National Conference on Recent Trends in Materials Science (RTMS-13)" on Structural, thermal, magnetic and electrical properties of Cr^{3+}: PEO+PVP blended polymer films at M. Kumarasamy College of Engineering, Karur, Tamilnadu on Nov.7,2013.
- **Best Oral Presentation Award** in International conference of Korean Society of Industrial Engineering and Chemistry on November 4-6, 2015 in JEJU, South Korea. The paper entitled "Photoluminescence properties of Er^{3+}: PEO+PVP blended polymer composite films for photonic applications".
- **Best Oral Presentation Award** in International conference of Korean Society of Industrial Engineering and Chemistry on October 26-28, 2016 in JEJU, South Korea. The paper entitled "Energy transfer based spectral properties of TiO_2 NPs impregnated co-doped Gd^{3+}+Eu^{3+}: PVA polymer nanocomposites for luminescent Applications".

Positions lead

1. Chairperson for evening session of the conference International conference of Korean Society of Industrial Engineering and Chemistry on November 4-6, 2015 in JEJU, South Kore

Books

1. "Transition Metal Ions doped Blended Polymer Composites for Multifunctional Applications", LAP LAMBERT Academic Publishing, Germany, ISBN: **978-3- 659-90749-4 (2016).**
2. "Rare earth ions doped polymer composites for photonic applications" LAP LAMBERT Academic Publishing, Germany, ISBN: **978-3-330-02815-9 (2017).**

List of Research Publications

International / National Journals

1. Bright Red Luminescence from co-doped Dy^{3+}/Eu^{3+}: $CaLa_2ZnO_5$ Phosphors for Photonic Applications
   K. Naveen Kumar, Jong Su Kim, Jaesool Shim, Migyung Cho, Misook Kang
   Journal of Alloys and Compounds 721 (2017) 554-562; IF: 3.014

2. Bright green emission from f-MWCNT embedded co-doped Bi^{3+}+Tb^{3+}: Polyvinyl alcohol polymer nanocomposites for photonic applications
   K. Naveen Kumar, R. Padma, Y.C. Ratnakaram and Misook Kang
   RSC Advances 7 (2017) 15084-15095; IF: 3.289

3. Energy Transfer (In^{3+}→Eu^{3+}) in Polyvinyl Alcohol polymer composites for Red Luminescent Applications
   K. Naveen Kumar, R. Padma and Misook Kang
   Optical Materials 70 (2017) 41-49; IF: 2.183

4. Promising Red Emission from Functionalized Multi Walled Carbon Nanotubes embedded co-doped Bi^{3+}+Eu^{3+}: PVA Polymer nanocomposites for Photonic Applications
   K. Naveen Kumar, R. Padma, L. Vijayalakshmi, Jeghan Shrine Maria Nithya, Misook Kang
   Journal of Luminescence 182 (2017) 208-219; IF: 2.693

5. Dazzling Red Emission from TiO_2 nanoparticles impregnated co-doped Gd^{3+}+Eu^{3+}: PVA polymer nanocomposites for Photonic Applications
   K. Naveen Kumar, R. Padma, L. Vijayalakshmi and Misook Kang
   Journal of Industrial and Engineering Chemistry 45 (2017) 349-359; IF: 4.179

6. Copper–constantan nanoparticles impregnated PEO + PVP: Li^+ blended solid polymer electrolyte films for lithium battery applications
   K. Naveen Kumar and Misook Kang
   Polymer Bulletin 74 (2017) 2545-2564; IF: 1.365

7. Dazzling green emission from graphene oxide nanosheet-embedded co-doped Ce^{3+} and Tb^{3+}:PVA polymer nanocomposites for photonic applications
   K. Naveen Kumar, R. Padma, J.L. Rao and Misook Kang
   RSC Advances 6 (2016) 54525-54538;IF: 3.289

8. Energy transfer based Photoluminescence properties of co-doped (Er^{3+}+Pr^{3+}): PEO+PVP blended polymer composites for Photonic applications
   K. **Naveen Kumar**, Misook Kang, G. Bhaskar Kumar and Y. C. Ratnakaram
   Optical Materials 54 (2016) 6-13; IF: 2.183

9. Improved electrical properties of Fe nanofiller impregnated PEO + PVP: Li^+ blended polymer electrolytes for lithium battery applications
   K. Naveen Kumar and Misook Kang
   Applied Physics A 122:698 (2016) 1-14; IF: 1.444

10. Enhanced Electrical Properties of Polyethylene oxide (PEO) + Polyvinylpyrrolidone (PVP): Li^+ Blended Polymer Electrolyte Films with the addition of Ag nanofiller.
    K. Naveen Kumar, Misook Kang, K. Sivaiah, M. Ravi and Y.C. Ratnakaram
    Ionics 21 (2015) 1-11;IF:2.119

11. Energy Transfer Based Photoluminescence Properties of (Sm^{3+}+Eu^{3+}): PEO+PVP Polymer

Films for Red Luminescent display device applications
K. Naveen Kumar, L. Vijayalakshmi and Y.C. Ratnakaram
Optical Materials 45 (2015) 148-155; IF:2.183

12. Energy Transfer Based Photoluminescence spectra of (Tb^{3+}+Sm^{3+}):PEO+PVP polymer nano- composites with Ag nanoparticles.
K. Naveen Kumar, B. Chandra Babu and S.Buddhudu
Journal of Luminescence 161 (2015) 456 – 464; IF:2.693

13. Structural, thermal and optical properties of Tb^{3+}, Eu^{3+} and co-doped (Tb^{3+}+Eu^{3+}): PEO+PVP polymer films,
K. Naveen Kumar, K. Sivaiah and S.Buddhudu
Journal of Luminescence 147 (2014) 316-323; IF:2.693

14. Studies on optical, magnetic and electrical properties of multifunctional Cr^{3+}: PEO+PVP Polymer Composites
K. Naveen Kumar, J.L. Rao and Y.C. Ratnakaram
Journal of Molecular Structure 1100 (2015) 546-554; IF:1.780

15. Synthesis and analysis of Fe^{3+}, Co^{2+} & Ni^{2+}: PEO+PVP blended polymer composite films for multifunctional polymer applications
K. Naveen Kumar, M. Vasudeva Reddy, L. Vijayalakshmi and Y.C.Ratnakaram
Bulletin of Materials Science 925 (2015) 1-9; IF:0.895

16. Energy transfer based photoluminescence spectra of Dy^{3+}, Sm^{3+}: PEO+PVP polymer films,
K. Naveen Kumar, B H Rudramadevi and S.Buddhudu**,**
Indian Journal of Pure & Applied Physics 52 (2014) 588-596; IF:0.739

17. Enhancement of up-conversion emission and emerging cool white light emission in co-doped Yb^{3+}/ Er^{3+}: Li_2O-LiF-B_2O_3-ZnO glasses for photonic applications
L. Vijayalakshmi, **K. Naveen Kumar**, Pyung Hwang, Gagandeep Kaur
Ceramics International (Article in Press); IF:2.758

18. Effect of $EMIMBF_4$ ionic liquid addition on the structure and ionic conductivity of $LiBF_4$-complexed PVdF-HFP polymer electrolyte films.
Jiwu Tang, Ravi Muchakayala, Shenhua Song, Meng Wang, **K. Naveen Kumar**
Polymer Testing 50 (2016) 247-254; IF:2.350

19. Thermal, Magnetic and Electrical Properties of Multiferroic $GdMnO_3$ Nano Particles by a Co-PrecipitationMethod;
B. Jaya Prakash, **K. Naveen Kumar** and S. Buddhudu
Ferroelectrics Letters Section 39 (2012)104-116. IF:0.600

20. Synthesis, Structural and Dielectric Properties of Co^{2+}, Ni^{2+} and Cu^{2+}: $ZnSiO_4$ Nanoceramics by a Sol-Gel Method;
B. Chandra Babu, **K. Naveen Kumar**, B. H. Rudramadevi and S. Buddhudu
Ferroelectrics Letters Section 41 (2014)28-43. IF:0.600

21. Chromium doped ZnS nanoparticles: Chemical, structural, luminescence and magnetic studies;
B. Poornaprakash, **K. Naveen Kumar**, U. Chalapathi, MaddakaReddeppa, P.T. Poojitha, Si-Hyun Park
J Mater Sci: Mater Electron 27 (2016)6474-6479; IF: 1.798

22. Energy Transfer Based Photoluminescence Spectra of co-doped (Dy^{3+}+Sm^{3+}): Li_2O-LiF-B_2O_3-ZnO Glasses for Orange Emission
L. Vijayalakshmi, K. Naveen Kumar, and R.P. Vijayalskhmi
Optical Materials 57 (2016) 125-133; IF: 2.183

23. Enhanced Photoluminescence of Mn^{2+}+Tb^{3+} ions doped PEO+PVP blended polymer films,
K. Naveen Kumar and S. Buddhudu,
Proc. Indian Natn. Sci. Acad. 80 (2) (2014) 345-354 (ISSN:0370-0046).

24. Studies on structural, thermal, optical and electrical properties of PEO+PVP polymer films with and without Li^+ andAg^+
K. Naveen Kumar, S. Uthanna and S. Buddhudu
International Journal of Physics 5 (2) (2012)159-172.

25. Enhanced ionic conductivity of PMMA: Li^+ Polymer films due to adding of Ag NanoFillers
K. Naveen Kumar and S. Buddhudu
Journal of NanoScience and Nano Technology 2 (1) (2014)38-40.

26. Analysis of optical absorption and EPR spectra of Mn^{2+}: PEO+PVP polymer films
K. Naveen Kumar and S. Buddhudu
Asian Journal of Physics 24 (1) (2015)195-202.

27. Synthesis and characterization of Sm^{3+}: PEO+PVP Polymer film;
K. Naveen Kumar and S. Buddhudu
AIP Conf. Proc. 1536, 899 : (2013); doi:10.1063/1.4810519.

28. Magnetic Properties of Mn^{2+}: PEO+PVP Polymer films;
K. Naveen Kumar, K. Sivaiah and S. Buddhudu
AIP Conf. Proc. 1591, 893 (2014); doi:10.1063/1.4872793

29. Enhanced Photoluminescence spectra of Sm^{3+} co-doped with Tb^{3+} in PEO+PVP blended polymer films
K. Naveen Kumar and S. Buddhudu
AIP Conf. Proc. 1665, 080037 (2015); doi:10.1063/1.4917941

30. Dy^{3+} doped Lithium Sodium Bismuth Borate Glasses for Yellow Luminescent Photonic Applications
M. Parandamaiah, **K. Naveen Kumar**, S. Babu, S. Venkatramana Reddy, Y.C.Ratnakaram
International Journal of Engineering Research and Applications 5 (8) (2015)126-131.

31. Spectroscopic properties of Eu^{3+} doped lithium sodium bismuth borate glasses for red luminescent optical devices
M. Parandamaiah, **K. Naveen Kumar**, S. Venkatramana Reddy, Y.C.Ratnakaram
Research Inventy: International Journal of Engineering And Science 5 (9) (2015) 16-22.

32. Structural and Optical Properties of Li^+: PVP & Ag^+: PVP Polymer Films;
KothapalleSivaiah, **Koramala Naveen Kumar**, V. Naresh, SrinivasaBuddhudu
Materials Sciences and Applications 2 (2011)1688-1696.

33. Photoluminescence Analysis of Certain Rare Earth Ions Doped (Pr^{3+}, Nd^{3+}, Dy^{3+} and Er^{3+}): Li_2O-LiF-B_2O_3-ZnO Glasses for Photonic Applications.
M. Vijayalakshmi, **K. Naveen Kumar**, Misook Kang and R. P. Vijayalakshmi
Science Spectrum 1 (2) (2016) 197-202. (ISSN: 2455-5053).

34. Enhanced Red luminescence from co-doped Bi^{3+}/Eu^{3+}: $CaLa_2ZnO_5$ nanophosphosphor spheres for photonic applications
K. Naveen Kumar, Jong Su Kim, Jaesool Shim, Migyung Cho
Physica Status Solidi (Rapid Research Letters) (Under Review), IF: 2.437

International & National Conferences / Seminars / Workshops attended

Oral Presentations:

1. Energy transfer based spectral properties of TiO_2 NPs impregnated co-doped Gd^{3+}+Eu^{3+}: PVA polymer nanocomposites for luminescent Applications;
K. Naveen Kumar, L. Vijayalakshmi, Misook Kang;
International Conference of Korean Society of Industrial Engineering and Chemistry, Fall meeting 2016 on October 26-28, 2016 in JEJU, South Korea.

2. Emission analysis of Tb^{3+}: PEO+PVP Blended Polymerfilms;
K. Naveen Kumar, S. Uthanna, K. Sivaiah and S.Buddhudu;
Third International Multi component Polymer Conference (IMPC-2012); MahatmaGandhi University, Kerala, INDIA on 23-25 Mar.2012.

3. Structural, thermal, magnetic and electrical properties of Cr^{3+}: PEO+PVP blended polymer films;
K. Naveen Kumar, S. Buddhudu;
One Day National Conference on Recent Trends in Materials Science (RTMS-13); M. Kumarasamy College of Engineering, Karur, Tamilnadu on Nov. 7,2013.

4. Enhancement of Ionic Conductivity of PMMA: Li^+ Polymer films due to the addition of Ag Nano fillers;
K. Naveen Kumar and S. Buddhudu ; International Conferene on Nano Electronic Science & Technology (ICNEST-2014); Sri Vasavi College, Erode, Tamilnadu, INDIA on Feb. 14-15, 2014.

5. Photoluminescence Properties of Er^{3+}: PEO+PVP blended polymer composite films for photonic applications
K. Naveen Kumar, Byeong Sub Kwak and Misook Kang
International conference of Korea Society of Industrial Engineering and Chemistry, JEJU, South Korea, on November 4-6, 2015.

6. Photoluminescence Analysis of Certain Rare Earth Ions Doped (Pr^{3+}, Nd^{3+}, Dy^{3+} and Er^{3+}): Li_2O–LiF–B_2O_3–ZnO Glasses for Photonic Applications;
L. Vijayalakshmi, **K. Naveen Kumar**, Misook Kang and R. P. Vijayalakshmi;
Andhra Pradesh Science Congress (APSC-2015), Sri Venkateswara University, Tirupati on January 27-29, 2016.

Poster Presentations:

7. Studies on electrical and conductivity properties of PEO+PVP: Li^+ & PEO+PVP: Ag^+ Polymer films;
K. Naveen Kumar, S. Uthanna, K. Sivaiah and S. Buddhudu;
International Conference on Thin Films & Applications (ICTFA-2012):
Sastra Univeristy, Thanjavur, INDIA on 15-17 Mar.2012.

8. Synthesis and Characterization of Sm^{3+}: PEO+PVP Polymer Films;
K. Naveen Kumar and S. Buddhudu

International Conference on Recent Trends in Applied Physics & Material Science(RAM-2013); Govt. College of Engg. & Tech., Bikaner, INDIA on February 01-02,2013.

9. Synthesis and Characterization of Dy^{3+}: PEO+PVP Polymer films;
K. Naveen Kumar and S. Buddhudu;
4thInternational Conference on Recent Advances in Composite Materials (ICRACM-13); International Centre, Goa, INDIA on February 18-21,2013

10. Magnetic Properties of Mn^{2+}: PEO+PVP PolymerFilms;
K**. Naveen Kumar**, K. Sivaiah and S. Buddhudu;
58thDAE Solid State Physics Symposium (DAE-SSPS); Thapar University, Punjab, INDIA on Dec.17-21,2013.

11. Synthesis and Characterization of PMMA Polymer Electrolytes;
K. Naveen Kumar, K. Sivaiah and S. Buddhudu;
One Day National Seminar on Nanomaterials and Nanotechnology (NSNNT-2013); Govt. Degree & PG College, Puttur, INDIA on 2ndOct.2013.

12. Magnetic, electrical and optical properties of Fe^{3+}, Co^{2+} & Ni^{2+}: PEO+PVP blended polymer films;
K. Naveen Kumar, B. Jaya Prakash and S. Buddhudu;
101stIndian Science Congress; University of Jammu, Jammu, INDIA on Feb. 3-7,2014.

13. Enhanced Photoluminescence properties of (Sm^{3+}+Eu^{3+}): PEO+PVP polymer films via energy transfer from Sm^{3+} to Eu^{3+};
K. Naveen Kumar, Y. C. Ratnakaram and S.Buddhudu
DAE-BRNS National Laser Symposium (NLS-23), Dept. of Physics, Sri VenkateswaraUnivesity, Tirupati- 517 502 on December 3-6,2014.

14. Enhanced Photoluminescence spectra of Sm^{3+}co-doped with Tb^{3+}in PEO+PVP blended polymerfilm;
K. Naveen Kumar and S.Buddhudu
59thDAE-Solid State Physics Symposium, VIT University, Vellore-632014, Tamil Nadu on December16-20.

15. Spectral Properties of co-doped (Dy^{3+}+Sm^{3+}): Li_2O+LiF+B_2O_3+ZnO Glasses for Photonic Applications;
L. Vijayalakshmi, **K. Naveen Kumar** and R. P.Vijayalakshmi
National Conference on Emerging Trends of Advanced Functional Materials (NCAFM-2015), KL University, Vaddeswaram, Guntur on September 03-04,2015.

16. Enhanced electrical properties of PEO+PVP: Li^+ blended polymer films by adding with Fe nano filler for Solid Polymer electrolytic applications
K. Naveen Kumar, Misook Kang, K. Sivaiah, L. Vijayalakshmi K. Sai Manogna, Sk. SabeehTabsum, V. Kalarani;
International Conference of Nanomaterials and Nanotechnology (NANO-15), K.S.R. Group of Institutions, KSR Kalvinagar, Thiruchengode, Nammakal, Tamilnadu on December 7-10, 2015.

17. Electrical properties of Cu^{2+} doped PEO+PVP blended polymer composites for solid polymer electrolyte applications
K. Sai Manogna, **K. Naveen Kumar**, Misook Kang, Y.C. Ratnakaram, J.L. Rao, V. Kalarani;
Andhra Pradesh Science congress (APSC-2015), Sri Venkateswara University, Tirupati on January 27-29, 2016.

Personal Details

Name	**: Dr. Koramala Naveen Kumar**
Father's Name	: **K. Penchalaiah**
Date of Birth	: **09/07/1985**
Gender	: **Male**
Marital Status	: **Unmarried**
Nationality	: **Indian**
Languages Known	: **Telugu, Hindi and English**
Email	**: knaveenphy@gmail.com, drknk666@gmail.com**
Website	**: https://knaveenphy.wixsite.com/mysite**

Declaration

I hereby solemnly affirm that all the above details provided are true to the best of my knowledge.

DATE:14-06-2017
PLACE: Gyeongsan

(K. NaveenKumar**)**