

PERSONAL

Name: PAMMI SRI VENKATA NARAYANA (S.V.N. Pammi)

Gender: Male

Birthday: 27/08/1977

Marital Status: Married

Nationality: India

Degree: Ph.D. **Materials Science and Engineering**



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Find me at

Google scholar: <http://scholar.google.co.kr/citations?user=Wq7Dd6IAAAAJ&hl=en>

Research gate: https://www.researchgate.net/profile/Svn_Pammi

WORK EXPERIENCE

PRINCIPAL INVESTIGATOR (2017-till date) Department of Materials science and Engineering, Chungnam National University, Daejeon, Korea South. National Research Foundation, Korea South.

NRF –Basic Science -Young Researcher Program- *Project Title: A New Approach Towards Improving Stability and Performance of Organic Inorganic Halide Perovskite Films for Optoelectronic and Energy Harvesting Applications, **NRF-2017R1D1A1B03035399.***

RESEARCH PROFESSOR (2016-till date) Department of Materials science and Engineering, Chungnam National University, Daejeon, Korea South. National Research Foundation, Korea South.

RESEARCH PROFESSOR, BK21 plus, (2015 Apr- 2015 May) Department of Materials science and Engineering, Chungnam National University, Daejeon, Korea South.

Topic: Thermoelectric materials for energy harvesting applications and antibacterial properties of nanomaterials. etc

RESEARCH SCIENTIST (3/2011- 04/2015), Advanced Analytical Laboratory under DST-Purse Programme at Andhra University, Visakhapatnam- 530 003, Andhra Pradesh, India.

Topic: Metal and or Metal oxide Nano Particles/ Nano Structures Synthesis Using Green (Leaf extracts) and chemical– applications: heterogeneous catalyst in organic reactions, antimicrobial agents etc.

LECTURER IN PHYSICS (05/2002 -12/2005) from Department of Physics, Sri Y.N.College (Accredited by NAAC with "A" Grade), Flaiz Adventist College is a Seventh-day Adventist institution and Sri Ramakrishna Junior & Degree college, Narsapur, Andhra Pradesh, India.

EDUCATION

PhD in Materials Science and Engineering, Chungnam National University (CNU), Korea Republic 2005 Dec– 2010 Aug.

Thesis Title: Indium Tin Oxide (ITO) Thin Films Crystallized at Low Temperatures using Nano Cluster Deposition (NCD) Technique. Supervisor: Prof. Yoon Soon Gil.

M.Sc Physics (specialization in Electronics) 2000-2002 placed first class with 63% in 2002 from Sri Y.N. College, (Affiliated to Andhra University), Narsapur, Andhra Pradesh, India.

B. Sc (M.P. E) 1997-2000, from Sri Y.N. College, (Affiliated to Andhra University), Narsapur, and Andhra Pradesh, India.

KEY SKILLS

Thin films/ Nano structures growth techniques (CVD, ALD, PLD and Sputtering techniques).

Nano particles/ Nano structures growth methods (Sol-Gel, Chemical Solution methods).

Hands on Experiences of material characterization techniques (SEM, AFM, TEM, XRD, XRF, UV-Vis, IR and Raman).

Electrical measurement experience (I-V, Dielectric, P-E and Hall Effect).

Data analysis experience of AES, RBS, XPS and PIXE.

Acquired knowledge of operating systems such as Windows (XP, 7), Data analysis using software like Origin, Image J, Adobe Photoshop, XPS curve fit for XPS data analysis, RUMP and RBS data simulation etc.

RESEARCH INTERESTS

Energy Harvesting - Perovskite thin films for energy harvesting such as solar cell, piezoelectric and thermoelectric applications.

2D Materials – Graphene and other 2 D materials for electronic devices

Green Chemistry for Health care and biomedical applications- Wet Chemical and green synthesis (plant extracts) of metal oxide and metal composites nano particles and applications as heterogeneous catalysis in organic synthesis and antibacterial agents. Nano materials for biomedical and health care products etc.

Environmental -EMI shielding using various Inorganic thin films and nanostructured materials

TEACHING EXPERIENCE AND INTERESTS

Optics, Thermodynamics, Modern physics and Waves and Oscillations- BSc students

Lasers and Optics for MSc students

Engineering Physics- B. Tech students

Materials science related topics such as

Physics of Materials, Solid State Physics, Electromagnetism, lasers and optics, Introduction to Materials Engineering Materials Characterization, Modern Techniques of Material Characterization, Etc., which is related to Physics, electronic sciences and materials science engineering.

PROFESSIONAL SERVICES

Referee services for journals including: Materials Science & Engineering B, and C, Materials Letters, International Journal of Nano medicine, Catalysis communications, chemical Physical Letters, Solid State Communications and so on. (Around 1000 manuscripts reviewed till date)

HONORS & FELLOWSHIPS

Brain Korea scholarship- 2006 to 2010 for Doctorial Programme.

Selected for Research Scientist position under DST-PURSE Programme, Andhra University, Visakhapatnam, India (2011-2015).

Post doctoral Fellowship- BK21+ Programme, Chungnam National University (CNU), Korea Republic (2015-2016)

Biography has been selected for *Who's Who in the World* 32nd Edition, 2015VIP Number: 36902181.

Biography has been selected for *The Dictionary of International Biography 38th edition*, 2016 Cambridge, England.

Best Oral Presentation- ICACME 2017: 19th International Conference on Advanced Composites and Materials Engineering-Fabrication of Pure and Doped MAPbI₃ Thin Films by One Step Chemical Vapor Deposition Method for Energy Harvesting Application.

Recognized as Recognized Outstanding Reviewer-Elsevier Publications- Materials Science & Engineering C and Journal of Applied Biomedicine.

ONGOING PROJECTS/PROJECTS UNDERTAKEN

NRF –Basic Science -Young Researcher Program- *Title: A New Approach Towards Improving Stability and Performance of Organic Inorganic Halide Perovskite Films for Optoelectronic and Energy Harvesting Applications-NRF-2017R1D1A1B03035399-50,000,000 KRW per year.* Role: **As Principal Investigator and Active Researcher**

PUBLICATIONS

Under preparation & Under Review

1. Synergetic antibacterial potential, dye degrading capability and biocompatibility of *Asperagus racemosus* root assisted ZnO Nanoparticles, P.P.N. Vijay Kumar ^a, Sarat Chandra Veerla ^b, R.L. Kalyani ^c, Pratap Kollu ^d, Shameem Ummey ^{e*}, **S.V.N. Pammi ^{f*}**, **Environmental Pollution- Under Review**
2. Synergetic Potential Of Green Synthesized Nano-Antibiotic Combinational Therapy For Wound Healing, RL Kalyani, **S.V.N. Pammi**, K. Taraka Sunil Kumar., K. Sekhar, S. Manish S., P.V. Swamy, K. V. Ramanamurthy, **Journal of Tissue Viability (Under review)**
3. Synthesis, characterization of Annona squamosa mediated CuO nanoleaves and their expanding horizon in biomedical applications" RL Kalyani, S.V.N. Pammi, V. Sarath Chandra ; P.P.N. Vijay Kumar, P.V. Swamy; K., V. Ramana Murthy, ACS Applied Bio Materials **(Under review)**
4. CVD-Deposited Perovskite Films for High Responsivity Self-Powered Photodetectors with Enhanced Photo Stability in Ambient Conditions, **S.V.N.Pammi**, Maddaka Reddeppa, Van-Dang Tran, Ji-Ho Eom, Vincenzo Pecunia, Sutripto Majumdar, Moon-Deock Kim, Soon Gil Yoon, **Materials Today (under Review)**
5. Extended Photo stable self-powered photodetectors via CVD fabricated MAPbI₃films through Bromide doping, **S.V.N.Pammi**, Van-Dang Tran, Maddaka Reddeppa, , Ji-Ho Eom, Sutripto majumdar, Jang Su, Vincenzo Pecunia, Moon-Deock Kim, Soon Gil Yoon **Advanced Materials (under Review)**

Published in peer Review

As First/ Corresponding author

1. Antibacterial efficacy of green synthesized α -Fe₂O₃ nanoparticles using Sida cordifolia plant extract, P.P.N.Vijay Kumar, U. Shameem, G. Satyananarayana, Ch. Sailaja, B. Sailaja, **S.V.N. Pammi***, **Heliyon 5, 11, 2019, e02765**
2. Strategic Extended Air Stability of Organo Lead Halide Perovskite Nonvolatile Memory Devices Eunji Yoo, S.V.N. Pammi, Kyuyoung Kim, Tran-Van Dang, Ji-Ho Eom, Young Jin Choi, and Soon-Gil Yoon, **Journal of Alloys and Compounds. 811, 30 2019, 151999 Impact Factor- 4.175**

3. Biogenic synthesis of Silver Nanoparticles via *Asparagus racemosus* root extract with their antibacterial efficacy, P.P.N. Vijay Kumar, R.L. Kalyani, U.Shameem, **S.V.N. Pammi*** , **Materials Research Express-** 6 (10), 104008 **Impact Factor-1.449**
4. Antibacterial Activity Assessment and Characterization of Green Synthesized CuO nano rods using *Asparagus racemosus* roots extract, Vijay Kumar PPN; Shameem U.; Kalyani R.L.; Sharmila Khan; **S.V.N. Pammi***, **SN Applied Sciences**, 2019, 1:421. **New journal. Impact factor pending**
5. Ultra Small, Monodispersed Green Synthesized Silver Nanoparticles Using Aqueous Extract of *Sida Cordifolia* Plant and Investigation of Antibacterial Activity. P.P.N. Vijay Kumar, U. Shameem, R.L.Kalyani, Pratap Kollu, **S.V.N. Pammi***, Yoon Soon Gil*, **Microbial Pathogenesis**, 2018, 124: 63-69. **Impact Factor-2.581**
6. Predominant Stable MAPbI₃ Films Deposited *via* Chemical Vapor Deposition: Stability Studies in Illuminated and Darkened States Coupled with Temperature under an Open-Air Atmosphere **ACS Appl. Energy Mater.**, 2018, 1 (7): 3301–3312. **New journal. Impact factor pending**
7. Enhanced wound healing activity of Ag–ZnO composite NPs in Wistar Albino rats, Sravani.K, Jhansi.S, R. Muralikrishna T.Vishala, C.Ragadeepthi, Pratap Kollu, **S.V.N. Pammi*** , **IET nanobiotechnology**, 2018, 12(4): 473 – 478. **Impact Factor-1.925**
8. *Diospyros assimilis* root extract assisted biosynthesised silver nanoparticles and their evaluation of antimicrobial activity, Sravani. K, Lakshmi P., Swetha Madhavi K., Jhansi Rani S. Pratap Kollu, Narasimha Reddy.P, Murali Krishna R., **S.V.N. Pammi***, **IET nanobiotechnology**, 2018, 12(2): 133 – 137. **Impact Factor-1.925**
9. Enhanced visible-light photocatalysis and gas sensor properties of polythiophene supported tin doped titanium nanocomposite, M. Ravi Chandra, P. Siva Prasada Reddy, T. Siva Rao*, **S.V.N. Pammi***, K. Siva Kumar,K. Vijaya Babu, Ch. Kiran Kumar, K.P.J. Hemalatha, **Journal of Physics and Chemistry of Solids**. 2017, 105: 99–105. **Impact Factor-2.752**
10. Enhanced Thermoelectric Properties of Flexible Cu_{2-x}Se (x ≥ 0.25) NW/Polyvinylidene Fluoride Composite Films Fabricated via Simple Mechanical Pressing, **S.V.N. Pammi**, Venkatraju Jella, Jin-Seok Choi, and Soon-Gil Yoon, * **J. Mater. Chem. C**, 2017, 5: 763-769. **Impact Factor-6.641**

11. Enhanced Thermoelectric Properties of Ge₂Sb₂Te₅ Thin Films through the Control of Crystal Structure, So-Hyun Kang, Venkatraju Jella, **S.V.N. Pammi*** Ji-Ho Eom, Jin-Seok Choi, Jong-Ryul Jeong, Soon-Gil Yoon*, **Current Applied Physics**, 2017, 17(5): 744–750. **Impact Factor-2.010**
12. Green synthesis, characterization and antimicrobial activity of silver nanoparticles using methanolic root extracts of *Diospyros sylvatica*, Lakshmi P., Kalyani K., N.Hanumanta Rao, Pratap Kollu, Yoon Soon Gil*, **S.V.N.Pammi***, **Journal of Environmental Sciences**, 2017 55:157-163. **Impact Factor-3.556**
13. Biosynthesis of silver nanoparticles using methanolic root extracts of *Diospyros paniculata* and their antimicrobial activities, N.Hanumanta Rao, Lakshmidevi N., **S.V.N. Pammi***, Pratap Kollu, Ganapaty S., Lakshmi P.* **Materials Science and Engineering C**, 2016, 62: 553–557. **Impact Factor-4.959**
14. Green and Reusable Nanocatalyst for the Synthesis of 1,5-benzodiazepines and Its Derivatives under Solvent-free Conditions, K.V.V.Satyanarayana, P. Atchuta Ramaiah, Y.L.N.Murty, Ravi Chandra. M, Yoon Soon Gil, **S.V.N. Pammi***, **Chemistry Letters**, 2015; 44(11): 1589-1591. **Impact Factor-1.485**
15. Magnetically recyclable nano ferrite catalyst for the synthesis of acridinediones and their derivatives under solvent free conditions. Palla Mahesh, Kolakaluri guruswamy, B. S. Diwakar, **S.V.N. Pammi***, Bhoomireddy Rama Devi, Y.L.N. Murthy, **Chemistry Letters**, 2015, 44(10): 1386-1388. **Impact Factor-1.485**
16. Biosynthesis of CuO nano particles using *Aloe Vera* leaf extract and its antibacterial activity against fish bacterial pathogens, P.P.N.Vijay Kumar, U.Shameem, Pratap Kollu, **S.V.N. Pammi***, **BioNanoScience**, springer, 2015, 5(3): 135–139. **Impact Factor-1.485**
17. Low temperature synthesis of various transition metal oxides and their antibacterial activity against multidrug resistance bacterial pathogens, R.L. Kalyani, J. Venkatraju Pratap Kollu, N. Hanumantha Rao, **S.V.N. Pammi***, **Korean Journal of Chemical Engineering (KJCE)**, Springer, 2014, 32(5): 911-916. **Impact Factor-2.476**
18. Room temperature synthesis and evaluation of antibacterial activity of silver nanoparticles using *Phyllanthus amarus* leaf extract, by N.P.S. Acharyulu, P.Madhu

Kiran, Pratap Kollu, R.L. Kalyani, S.V.N. Pammi*, **Journal of Bionanoscience (JBNS), American Scientific Publishers**, 2014, 8: 1–5,. **Impact Factor-pending**

19. A novel reusable and efficient nano-ZnS catalyst for green synthesis of xanthenes under solvent free conditions, K.V.V. Satyanarayana, Ravi Chandra.M, P. Atchuta Ramaiah, Y.L.N. Murty, E.N. Pandit, S.V.N. Pammi*, **Inorganic Chemistry Frontiers**, 2014, 1 (4): 306-310. **Impact Factor-5.934**
20. Recyclable ZnO nano particles: Economical and Green Catalyst for the synthesis of A³ coupling of Propargylamines under solvent free conditions., K.V.V. Satyanarayana, P. Atchuta Ramaiah, Y.L.N.Murty, Ravi Chandra M, S.V.N. Pammi* **Catalysis Communications**, 2012, 25: 50-53. **Impact Factor-3.674**
21. Crystallized Indium-Tin Oxide Composites Grown onto Single-Walled Carbon Nanotubes at a Low Temperature by Nanocluster Deposition., S.V.N. Pammi, Thanh Tung Duong, Hyung-Jin Choi, Soon-Gil Yoon, **J. Electrochem. Soc.** 2012, K111: 159. **Impact Factor-3.20**
22. Self-catalytic growth of indium oxide flower-like nanostructures by nano-cluster deposition (NCD) at low temperature, S.V.N. Pammi, Yeon Woong Park, Anupama Chanda, Jun -Ku Ahn, Soon-Gil Yoon. **Crys. ENGG Comm**, 2011, 13: 663-667: **Impact Factor-3.382**
23. Low-Temperature Nanocluster Deposition (NCD) for Improvement of the Structural, Electrical, and Optical Properties of ITO Thin Films., S.V.N. Pammi, Hyun-June Jung, Soon-Gil Yoon., **Nanotechnology, IEEE Transactions** on 2011, 99: 1. **Impact Factor-2.292**
24. Low Resistivity ITO Thin Films Deposited by NCD Technique at Low Temperature: Variation of Tin Concentration, S.V.N. Pammi, Anupama Chanda, Jun-Ku Ahn, Jong-Hyun Park, Chae-Ryong Cho, Won-Jae Lee, and Soon-Gil Yoon, **Journal of the Electrochemical Society**, 2010, 10: 157. **Impact Factor-3.20**
25. Growth of High-Quality ITO Thin Films at Low Temperature by Tuning the Oxygen Flow Rate Using the Nano-Cluster Deposition (NCD) Technique. S.V.N. Pammi, Anupama Chanda, Nak-Jin Seong, Soon-Gil Yoon, **Chemical Physics Letters**, 2010, 26 (4-6): 234-237.**Impact Factor-1.90**

26. Indium tin oxide thin films crystallized at a low temperature using a nano cluster deposition technique., **S.V.N. Pammi**, Nak-Jin Seong and Soon-Gil Yoon., **Scripta Materialia**, 2009; 61: 867–870. **Impact Factor-4.539**
27. Effect of substrate temperature on structural and electrical properties of liquid-delivery metal organic chemical vapor deposited indium oxide thin films on Silicon substrate", **S.V.N. Pammi** , Sahu, B. S., Seong Nak-Jin, Yoon, Soon-Gil, "**Journal of Vacuum Science & Technology B: Microelectronics and Nanometer Structures**, 2008, 26: 4. **Impact Factor-1.351**
- As contributing author**
28. Biosynthesis of Silver Nanoparticles using *Annona squamosa* Leaf Extract with Synergistic Antibacterial Activity, R. Lakshmi Kalyani, V. Sarat Chandra, P. P. N. Vijaykumar, **S.V.N. Pammi**, M. Rajkumar, P. V. Swamy*, K. V. Ramana Murthy*, Indian Journal of Pharmaceutical Sciences, 81,6, 2019. **Impact Factor- 0.73**
29. A Study on the Properties and Stability of Phototransistors based on CVD-grown Hybrid Perovskites, Kim, Hyoung-Do; Lee, **Pammi, S.V.N.**; Hae-Won; Lee, Sung Woo; Yoon, Soon-Gil; Park, Jozeph ; Kim, Yong Joo; Kim, Hyun-Suk. **Journal of Alloys and Compounds. 815, 30 2020, 152404 Impact Factor- 4.175**
30. Transfer-free Graphene Electrodes as Super-Flexible, Semi-Transparent, Perovskite Solar Cells, Van-Dang Tran, **S.V.N. Pammi**, Byeong-Ju Park, Yire Han, and Soon-Gil Yoon,- **Nano Energy. 65, 2019, 104018 Impact Factor-15.548**
31. A review on anti-bacterials to combat resistance: From ancient era of plants and metals to present and future perspectives of green nano technological combinations, R.L.Kalyani, P.V.Swamy, K.V.Ramana Murthy, G. Girija Shankar, **S.V.N. Pammi** , **Asian Journal of Pharmaceutical Sciences (Accepted- in press). Impact Factor-4.016**
32. Antibiotic potentiation and anti-cancer competence through bio-mediated ZnO nanoparticles. R.L. Kalyani, **S.V.N. Pammi**, P.P.N.Vijay Kumar, P.V.Swamy, K.V. Ramana Murthy. **Materials Science and Engineering C**, 2019, 103, 109756. **Impact Factor-4.959**
33. Synergetic Antibacterial and Anticarcinogenic Effects of *Annona squamosa* leaf extract mediated Silver Nano particles, Lakshmi Kalyani Ruddaraju, Vijay Kumar PPN,

S.V.N. Pammi, V. Ramana Murthy K., P.V.Swamy, Materials Science in Semiconductor Processing,100,301-309. **Impact Factor-2.722**

34. A Comprehensive Review of Flexible Piezoelectric Generators Based on Organic-Inorganic Metal Halide Perovskites, Venkatraju Jella, Swathi Ippili, Ji-Ho Eom, S.V.N. Pammi, Jang-Soo Jung, Van-Dang Tran, Van Hieu Nguyen, Artavazd Kirakosyan,Seokjin Yun, Deul Kim, Moon Ryul Sihn, Jihoon Choi, and Soon-Gil Yoon, **Nano energy**, 2018, 57:74-93. **Impact Factor-15.548**
35. Most facile synthesis of Zn-Al:LDHs nanosheets at room temperature *via* environmentally friendly process and their high power generation by flexoelectricity, Min-Ju Choi, Ji-Ho Eom, Sung-Ho Shin, Junghyo Nah, Jin-Seok Choi,Hyun-A Song, Hyesung An, Hyun You Kim, S.V.N. Pammi, Goeun Choi, Jin-Ho Choy, Ippili Swathi, Venkatraju Jella, Byeong-Ju Park, Jihoon Choi,and Soon-Gil Yoon, **Materials Today Energy**, 2018, 10: 254–263. **Impact Factor-pending new journal**
36. Self-Powered Pressure and Light Sensitive Bimodal Sensor based on Long-term Stable Piezo-Photoelectric MAPbI₃ Thin Films, Ji-Ho Eom, Hyung-Jin Choi, S.V.N. Pammi, Van-Dang Tran, Yun-Jeong Kim, Hye-Jin Kim and Soon-Gil Yoon, **J. Mater. Chem. C**, 2018, 6: 2786-2792. **Impact Factor-6.641**
37. Chemical vapor deposition in fabrication of robust and highly efficient perovskite solar cells based on single-walled carbon nanotubes counter electrodes, Van-Dang Tran, S.V.N. Pammi, Van-Duong Dao, Ho-Suk Choi and Soon-Gil Yoon, **Journal of Alloys and Compounds**, 2018,747(30): 703-711. **Impact Factor- 4.175**
38. Hybrid copper doped titania/polythiophene nanorods as efficient visible light-driven photocatalyst for degradation of organic pollutants, M. Ravi Chandra*, T. Siva Rao *, Hyun-Suk Kim*, S.V.N. Pammi, N. Prabhakar Rao, I. Mangaraju, **Journal of Asian Ceramic Societies**, 2017; 5(4): 436-443. **Impact Factor-pending new**
39. Resistance against water and acid water (pH= 4.0) via Al-doped ZnO thin films for environmentally friendly glass panels, Hyung-Jin Choi, S.V.N. Pammi, Byeong-Ju Park, Ji-Ho Eom, Hyesung An, Hyun You Kim, Minjung Kim, Daehee Seol, Yunseok Kim, Soon-Gil Yoon, **Journal of Alloys and Compounds**, 2017; 719: 271-280. **Impact Factor- 4.17**





40. Utilization of AZO/Au/AZO Multilayer Electrodes Instead of FTO for Perovskite Solar Cells, Tran-Van Dang, S.V.N. Pammi, and Soon-Gil Yoon*, **Solar Energy Materials and Solar Cells**, 2017, 163: 58–65. **Impact Factor- 6.019**
41. Thermoelectric properties of nanocomposite n-type Cr₂O₃/Cr thin films deposited by a reactive sputtering, Venkatraju Jella, So-Hyun Kang, S.V.N.Pammi, Ji-Ho Eom, Jong-Ryul Jeong, Yoon Soon Gil, **Vacuum**, 2016; 9: 1-5. **Impact Factor- 2.515**
42. An enhanced visible light active rutile TiO₂-Cu/Polythiophene nanohybrid material for the degradation of Rhodamine B dye, M. Ravi Chandra, T. Siva Rao*, S.V.N.Pammi, B. Sreedhar, **Materials Science in Semiconductor Processing**, 2015, **30: 672–681. Impact Factor-2.722.**
43. Green synthesis and characterization of silver nanoparticles using *Boerhaavia diffusa* plant extract and their anti bacterial activity, P.P.N.Vijay Kumar: S.V.N.Pammi, Pratap Kollu, K.V.V.Satyanarayana, U.Shameem, **Industrial Crops and Products**, 2014; 52: 562–566. **Impact Factor-4.191.**
44. Thermo luminescence studies of UV-irradiated Y₂O₃:Eu³⁺ Doped Phosphor, Raunak Tamrakar, Vikas Dubey, N.Kumar Swamy, Ratnesh Tiwari, S.V.N. Pammi, P.V.Ramakrishna, **Research on chemical intermediates**, 2013, 39(8): 3919-3923. **Impact Factor-2.064.**
45. Thermo luminescence study of ZnS: Cu nanoparticles, Jagjeet Kaur, Vikas Dubey, N. S. Suryanarayana, N. Kumarswamy, S.V.N. Pammi, P. V. Ramkrishna, **Research on chemical intermediates**, 2013, 38(9), 3895-3900. **Impact Factor-2.064.**
46. UV Visible up conversion studies of Nd³⁺ ions in lead tellurite glass" by P.V.Ramakrishna, S.V.N. Pammi, K. Samatha, **Solid State Communications**, 2013, 155: 21–24. **Impact Factor-1.433.**
47. Phase Change Memory using InSbTe Chalcogenide Materials Deposited by Metal-organic Chemical Vapor Deposition, J.K. Ahn, KW Park, HJ Jung, S.V.N. Pammi, SG Hur, SG Yoon, **ECS Transactions** 2009, 25(8): 1129-1133. **Impact Factor-pending**
48. Interfacial and electrical properties of Zr_xTi_{1-x}O₄ (x=0.66) films deposited by liquid-delivery metal organic chemical vapor deposition to be used as high-k gate dielectric, B. S. Sahu, S.V.N. Pammi. Nak-Jin Seong, Yoon Soon-Gil., **Journal of**

Vacuum Science & Technology B: Microelectronics and Nanometer Structures, 2008, 26(4): 1338 –1343. **Impact Factor-1.351**

UGC Approved –Non SCI- Journals:

49. Effect of Hank's Solution and Shot Blasting on the Tribological Behavior of Titanium Implant Alloys., B.K.C. Ganesh* N. Ramanaih, N. Bhuvanesarim, **S.V.N. Pammi**, **International Journal of Materials and Biomaterials Applications**, 2012; 2(1): 5-11. **Impact Factor-pending.**
50. Antibacterial Effect of Fe₂O₃ Nanoparticles Synthesized by *B. diffusa* Herbal Extract, P.P.N.Vijay Kumar , **S.V.N.Pammi**, U. Shameem, **International Journal Of Pharmaceutics & Drug Analysis**, 2018, 6(1): 35 – 40. **Impact Factor-pending , Index Copernicus**
51. A Green approach for the synthesis of iron oxide nanoparticles by using roots of *A. racemosus* and its degradation of dye methyl orange, P.P.N.Vijay Kumar , **S.V.N.Pammi** , U. Shameem. **International Journal of Pharmaceutics & Drug Analysis**, 2018, 6(1): 22 – 28. **Impact Factor-pending, Index Copernicus**
52. A Facile and Eco-friendly Approach to Synthesize Silver Nanoparticles from *Eclipta prostrata* and Their Anti-Bacterial Studies on Isolated Human Pathogens, V. Swaminadham, R. S. Dubey, B. S. Diwakar, N. P. S. Acharyulu, **S.V.N. Pammi***, S. Hari Krishna, **International Journal of NanoScience and Nanotechnology [IJNN]**. 2014, 5(1): 83-90. **Impact Factor-pending, Scopus indexed**
53. Green Synthesis of CuO Nanoparticles using *Phyllanthus Amarus* Leaf Extract and their Antibacterial Activity Against Multidrug Resistance Bacteria, N.P.S. Acharyulu, R.S. Dubey, Pratap Kollu V. Swaminadham, R.L.Kalyani, **S.V.N. Pammi*** **International Journal of Engineering Research & Technology (IJERT)** (ISSN: 2278-0181), 2014, 3 (4): 639-641. **Impact Factor-pending, Scopus indexed**
54. Phytochemical screening and Antimicrobial activity of three herbal plants, P. P. N. Vijay Kumar, **S.V.N. Pammi**, U. Shameem, K. Gowri Devi, **International Journal of Pharmacy. Photon**, 2014; 105: 431-435. **Impact Factor-pending. Indexed in World PubMed**

PAPERS PUBLISHED IN CONFERENCE PROCEEDINGS

-  Giant figure of merit (ZT) of Ge₂Sb₂Te₅ thin films through the control of crystal structure, 2016 IEEE International Nanoelectronics Conference (INEC), DOI: 10.1109/INEC.2016.7589404.
-  ITO/CNT Nano Composites as a Counter Electrode for the Dye-Sensitized Solar Cell Applications, Jong-Hyun Park, **S.V.N. Pammi**, Hyun-June Jung, Tae-Yeon Cho and Soon-Gil Yoon., **J. KIEEME (Korean)**, 2011, 24: 76. DOI: 10.4313/JKEM.2011.24.1.76.
-  Chemical Vapor Deposition in Ultra Scale Integration Cell using Chalcogenide Materials for Phase Change Memory, J.K. Ahn, K. Park, H. J. Cho, **S.V.N. Pammi**, S.G. Hur, S.G. Yoon, **ECS Meeting Abstracts**, 1009-1009.
-  Indium Tin Oxide-Carbon Nanotubes Nano Composite Electrodes for Dye Sensitized Solar Cell Applications, JH Park, **S.V.N. Pammi**, HJ Jung, SG Yoon, **ECS Meeting Abstracts**, 1624-1624,2011.

PAPERS PRESENT IN INTERNATIONAL AND NATIONAL CONFERENCES/ SEMINAR/ WORKSHOP

Invited Speaker

1. Nano materials for Energy harvesting, Environmental and biomedical applications. International Conference on "Applied Science and Technology (icaST)" as guest of honor and invited speaker.
2. Noble Metallic (Ag) and Metal Oxide Nanoparticles: Plant-Mediated Synthesis, Mechanistic Aspects of Synthesis, and Applications, ICAE 2017, NOV 21-24, Jeju, Korea. KIEEME (The Korean Institute of Electrical and Electronic Material Engineers).

Contributing Speaker

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