Jerald Vijay Ramaclus

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EDUCATION

PhD., Physics, Loyola College, **University of Madras**, Chennai, India **2008-2012**

- *Thesis Title*: "Investigation on Terahertz Generating Organic Single Crystals and Nanocrystals of DAST, DSNS and DSSS".

M.Phil., Physics, Loyola College, **University of Madras**, Chennai, India, *74 %* **2005-2006**

- *Title*: "Neutrino Oscillation through Feynman Diagram- A Theoretical Analysis".

M. Sc., Physics, Loyola College, **University of Madras**, Chennai, India, 71 % **2003-2005**

B. Sc., Physics, Loyola College, **University of Madras**, Chennai, India, 61 % **2000-2003**

RESEARCH EXPERIENCE

Postdoctoral Researcher (PDF)– University of Chile, Santiago, Chile. **May 2013- Feb 2015**

- Terahertz Photonics Laboratory, Radio Astronomical Instrumentation Group, Department of Electrical Engineering, Faculty of Physical and Mathematical Sciences, University of Chile
- *Research Expertise:* Terahertz materials, nonlinear optical materials, Crystal Engineering, Organic Nanocrystallization, Quantum chemical calculations, 2D-Materials, Optical microscopy, X-ray diffraction, Spectroscopy, THz-TDS.
- *Computational Expertise*: General Atomic and Molecular Electronic Structure System (Gamess-US), Quantum Espresso and OLEX-2.

RESEARCH ACTIVITIES

- **PhD. Research Advisor**: Bharathidasan University (3 ongoing)
- **Journal Reviewer**: Materials Horizons, Crystal Engineering Communication, ACS Omega, Journal of Molecular structure, Bulletin of Korean Chemical Society, Journal of Molecular Modeling, Molecular Crystals and Liquid Crystals, Spectroscopy Letters
- **Life Member**: Indian Laser Association
- **Guest Editor**: Materials Today Proceedings-s ICAM 2022, Vol. 68, Part 3
- **Member**: Research Advisory committee, SJC, 2017-2019
- **Doctoral committee member**: Bharathidasan University
- **Project**: SJC Research Grant 2022, Development of novel organic crystals with high thermal stability for Terahertz Technology

ACADEMIC EXPERIENCE

- **Assistant Professor**, Physics, **St. Joseph's College**, Trichy 620002 **June 2016-Present**
  - Courses (M.Phil): Advanced Physics
  - Courses (PG): Quantum Mechanics, Spectroscopy and Thermodynamics, Nanoscience, Numerical Methods, Fiber Optic Communication.
  - Courses (UG): Quantum Mechanics and Relativity, Mechanics, Mathematical Physics, Atomic, Nuclear and Solid-state Physics, Thermal Physics, Analog Electronics, Allied Physics 1 and 2.
- **Assistant Professor**, Physics, **Loyola College**, Chennai 600034 **June 2015-April 2016**
  - Courses: Optics, Electronics, Microprocessor 8085, Electrical and Electronics.
- **Assistant Professor**, Physics, **Saveetha University**, Chennai 602105**Sept 2011-April 2013**
  - Courses: Physics of engineering materials, Engineering Mechanics.
- **Lecturer**, Physics, **Alpha College of Engineering**, Chennai 602107 June **2006-June 2008**
  - Courses: Engineering Physics 1 and Engineering Physics 2, Medical Physics and Medical Optics.

ACADEMIC ACTIVITIES

- **MSc Projects Guided**: 12
- **BSc Projects**:
- **President**: Physics Association, SJC, 2022-23
- **Coordinator**: Feynman Problem Solving Club, SJC, 2018-till date
- **Member**: IPR Cell, SJC, 2018 – till date
- **Member**: Joseph Startup Centre, 2021-2023

PROGRAMMES ORGANISED

- **Joint Organising Secretary:** CSIR and DRDO sponsored International Conference on Advanced Materials, Dec. 08-09, 2023, St. Joseph's College, Tiruchirappalli
- **Joint Organising Secretary:** International Conference on Current research and Advancements Materials Science and Spectroscopy, Feb. 10-11, 2023, St. Joseph's College, Tiruchirappalli
- **Joint Organising Secretary:** International Conference on Advanced Materials Feb. 11-12, 2022, St. Joseph's College, Tiruchirappalli
- **Deputy Coordinator:** One week crash course on physical science for joint CSIR- UGC-NET (JRF/LS)/SET examination, May 23-28, 2022, St. Joseph's College, Tiruchirappalli

FACULTY DEVELOPMENT PROGRAMMES

- **Refresher course in Physics:** Teaching learning centre, Ramanujan college, University of Delhi, August 30 to September13, 2023**.**
- **Refresher course in Physics:** Teaching learning centre, Ramanujan college, University of Delhi, October 27 to Nov 10, 2021**.**
- **UGC-Sponsored 106th Orientation Programme:** UGC-Human resource development centre, Bharathidasan Universsity, Trichy, Sep 20 to Oct-9, 2019
- **Induction programme,** Jesuit higher education commission, St. Joseph's College, Trichy, June 07-10, 2016
- **Mission 10X** (**high impact teaching skills**), at Saveetha Engineering College, Chennai, May 14-18, 2012

SHORT COURSES AND WORKSHOPS

- Short course on **Ultrafast Laser Pulses: Generation, Amplification and Characterization** at Raja Ramanna Centre for Advanced Technology, Indore, Nov 29-30, 2010.
- Workshop on **Atom Probe Tomography** at Indian Institute of Technology, Chennai, Jan 9, 2012.

ACHIEVEMENTS

- **Outstanding reviewer** award- The Journal of Molecular Structure - June 2017

PUBLICATIONS

- **ARTICLES IN JOURNALS**

1. 4-[4-(4-Methoxyphenyl)-1,3-Butadienyl]-1-Methylpyridinium 4 - Chlorobenzene Sulphonate (MBMPCBS) – an Efficient Nonlinear Optical Crystal with Superior Thermal Stability. Anand Arul and **Jerald Vijay Ramaclus,** CrystEngComm 25, no. 17 (2023): 2534-2545.
2. Sandwich-like GaN/MoSe2/GaN heterostructure nanosheet: A First-principle study of the structure, electronic, optical, and thermodynamical properties, Sivasamy, R.; Paredes-Gil, K.; **Ramaclus, J. V.**; Mosquera, E.; kaliyamoorthy, S.; Batoo, K. M., **Surfaces and Interfaces,** 34 (2022) 102298 (IF:6.137).
3. Structural, thermal, linear and nonlinear optical and cytotoxicity studies of a novel organic stilbazolium salt: 4-[2-(4-hydroxyphenyl) ethenyl]-1-methylpyridinium 4-

styrenesulfonate, P. Antony, S. Bharanidharan, **R. Jerald Vijay**, S. J. Sundaram, A. J. P. Paul Winston, L. Louis, J. James and P. Sagayaraj, **Journal of Molecular Structure**, 1264 (2022) 133196. (IF: 3.196)

4. Surface morphology engineering of DAST (N, N-dimethylamino-N'-methylstilbazolium p-tosylate) crystal using DSNS (N, N-dimethylamino-N'-methylstilbazolium p-napthelenesulphonate) as an additive, Anand, A.; Aro Felix, A.; **Jerald Vijay, R**., **Materials Today: Proceedings** 68 (2022) 442-447.
5. Synthesis and characterization of organic nanocrystals of stilbazolium salts by solvothermal technique, Anand, A.; Aro Felix, A.; **Jerald Vijay, R**., **Materials Today: Proceedings** 68 (2022) 347-351
6. Investigation on nucleation, growth and physical properties of low soluble 4-N, N-dimethylamino-4-N'-methylstilbazolium 4-aminotoluene-3-sulfonate crystal – A potential NLO material, S. John Sundaram, A. Antony Raj, **R. Jerald Vijay**, M. Jaccob, P. Sagayaraj, **Journal of Molecular Structure,** 1241 (2021) 13066. (IF: 3.196)
7. Crystal growth and characterization of 4-[4-(4-dimethylamino-phenyl) buta-1,3-dienyl]-1-methyl pyridinium iodide for higher order non-linear applications, S. John Sundaram, **Jerald V. Ramaclus**, M. Panneerselvam, M. Jaccob, Priya Antony, L. Anandaraj, S. Muthupandi, A. J. P. Paul Winston and P. Sagayaraj, **Optics & Laser Technology,** 121 (2020) 105831. (IF: 3.867)
8. Synthesis, growth, crystal structure, thermal, linear and nonlinear optical analysis of new extended π-conjugated organic material based on methyl pyridinium compound of 4-(4-(4-(dimethylamino) phenyl)buta-1,3-dienyl)-1-methylpyridinium p-styrenesulfonate hydrate, P. Antony, S. J. Sundaram, **Jerald V. Ramaclus**, S. A. Inglebert, A. A. Raj, S. Dominique, T. A. Hegde, G. Vinitha, P. Sagayaraj, **Journal of Molecular Structure**, 1196 (2019) 699-706. (IF: 3.196)
9. Crystal structures of two stilbazole derivatives: bis{(E)-4-[4-(diethylamino)styryl]-1-methylpyridin-1-ium} tetraiodidocadmium(II) and (E)-4-[4-(diethylamino)styryl]-1-methylpyridin-1-ium 4-methoxybenzenesulfonate monohydrate, P. Antony, S. A. Inglebert, **Jerald V Ramaclus**, S. J. Sundaram and P. Sagayaraj, **Acta Crystallographica Section E,** 74 (2018) 1891-1894.
10. Synthesis, Growth and Characterization of a New Acentric 4-[4-(4-dimethylamino-phenyl) buta-1,3-dienyl]-1-methyl pyridinium p-chlorobenzenesulfonate dihydrate crystal for nonlinear optical applications, S. John Sundaram, **Jerald V Ramaclus**, Priya Antony, M. Jaccob and P. Sagayaraj, **New Journal of Chemistry,** 42 (2018) 18865-18872 (IF: 3.591)
11. Structural, morphological, optical and magnetic properties of $Ag_{3(2+x)}InxNb4\text{-}xO11+\delta$ ($0.25 \leq x \leq 1.0$) nanoparticles synthesized by sol–gel method, S. Ramesh, **Jerald V.**

Ramaclus, B.B. Das, E. Mosquera, **Materials Research Bulletin**, 105 (2018) 121-125. (IF: 4.641)

12. Sol–gel synthesis, structural, optical and magnetic characterization of $Ag_{3(2+x)}Pr_xNb_{4-x}O_{11+d}$ ($0.0 \leq x \leq 1.0$) nanoparticles, S. Ramesh, **Jerald V. Ramaclus**, E. Mosquera and B. B. Das, **RSC Advances**, 6 (2016) 6336 –6341 (IF: 3.361)
13. Influence of Oleic Acid on the Nucleation and Growth of 4-N, N-dimethylamino-4-N-methyl-stilbazoliumtosylate (DAST) crystals, Tina Thomas, **Jerald V. Ramaclus**, Fausto P. Mena, P. Sagayaraj, Edgar Mosquera, and Ernest A. Michael, **Crystal Engineering Communication**, 17 (2015) 1989–1996. (IF: 3.545)
14. Growth, linear and nonlinear optical properties of a DSSS crystal, **Jerald V. Ramaclus**, T. Thomas, S. Ramesh, P. Sagayaraj and E.A. Michael, **Crystal Engineering Communication**, 16 (2014) 6889-6895. (IF: 3.545)
15. Electronic structure study on 2D hydrogenated Icosagens nitride nanosheets, S. Ramesh, S. Marutheeswaran, **Jerald V. Ramaclus**, D. Chapa Paul, **Superlattices and Microstructures,** 76 (2014) 213–220**.** (IF: 2.658)
16. Investigation on one-pot hydrothermal synthesis, structural and optical properties of ZnS quantum dots, J. Nirmala Jothi, Amit G. Joshi, **R. Jerald Vijay**, A. Muthuvinayagam and P. Sagayaraj, **Materials Chemistry and Physics,** 138 (2013) 186-191. (IF: 4.094)
17. Investigation on the growth of DAST crystals of large surface area for THz applications, **R. Jerald Vijay,** N. Melikechi, Tina Thomas, R. Gunaseelan, M. Antony Arockiaraj and P. Sagayaraj, **Materials Chemistry and Physics**, 132 (2012) 610-617. (IF: 4.094)
18. Growth, structural, optical and thermal properties of potential THz material: N, N-dimethylamino-N'-methylstilbazolium 4-styrenesulphonate, **R. Jerald Vijay**, N. Melikechi, Tina Thomas, R. Gunaseelan, M. Antony Arockiaraj and P. Sagayaraj, **Journal of Crystal Growth** 338 (2012) 170-176. (IF: 1.797)
19. Growth, linear and nonlinear optical and, laser damage threshold studies of organometallic crystal of $MnHg(SCN)_4$, T. Rajesh Kumar, **R. Jerald Vijay**, R. Jeyasekaran, S. Selvakumar, M. Antony Arockiaraj and P. Sagayaraj, **Optical Materials**, 33 (2011) 1654-1660. (IF: 3.08)
20. Synthesis and characterization of on2.8e dimensional semiconducting nanorods and nanobelts, G. Ramalingam, J. Madhavan, P. Sagayaraj, S. Selvakumar, R. Gunaseelan and **R. Jerald Vijay**, **Transactions of The Indian Institute of Metals,** 64 (2011) 217-220. (IF: 1.499)
21. Investigation on rapid growth of 4-N, N-dimethylamino-4-N- methylstilbazolium p-toluenesulphonate (DAST) crystals by SNM technique, **R. Jerald Vijay**, N. Melikechi, T. RajeshKumar, Joe G.M. Jesudurai and P. Sagayaraj, **Journal of Crystal Growth**, 312 (2010) 420-425. (IF: 1.797)
22. Structural and electrical properties of organic Stilbazolium single crystal of DSCHS, S. John Sundram, A. Antony Raj, **Jerald V. Ramaclus** and P. Sagayaraj, **AIP Conf. Proc.**, 1731, 100004 (2016); doi: 10.1063/1.4948010

23. Growth, spectral, optical and thermal studies of an organic single crystal 4-N, N'-dimethylamino-N-methylstilbazolium 4-aminotoluene-3-sulfonate, Antony Raj, R. Gunaseelan, **R. Jerald Vijay** and P. Sagayaraj, **International Journal of ChemTech Research**, 6 (2014) 1538-1540.
24. Growth, structural and thermal analysis of DSSS single crystals, M. Antony Arockiaraj, Tina Thomas, **R. Jerald Vijay,** and P. Sagayaraj, **AIP Conf. Proc**. 1447, 1293 (2012); doi: 10.1063/1.4710486
25. Investigation on the growth, structural and optical properties of DASC crystal: A potential THz emitter, R. Gunaseelan, S. Selvakumar, Tina Thomas, **R. Jerald Vijay**, and P. Sagayaraj, **AIP Conf. Proc**. 1447, 1259 (2012); doi: 10.1063/1.4710469
26. Growth and Characterization of Mixed Crystals of N, N-dimethylamino-N'-methylstilbazolium p-toluenesulphonate and p-napthalenesulfonate, **R. Jerald Vijay**, Tina Thomas, A. Ramanand and P. Sagayaraj, **AIP Conf. Proc.**, 1349, part A, 149-151, 2011. doi: 10.1063/1.3605781
27. Investigation on Growth and Surface Analysis of DAST single Crystals, Tina Thomas, **R. Jerald Vijay**, R. Gunaseelan and P. Sagayaraj, **AIP Conf. Proc**., 1349, part A, 151-153, 2011. doi: 10.1063/1.3605782
28. Growth, Spectral and Thermal studies of Organic NLO Crystals of DSAS by SNM Technique, R. Gunseelan, **R. Jerald Vijay,** G. Ramalingam and P. Sagayaraj, **AIP Conf. Proc**., 1349, part A, 206-208, 2011. doi: 10.1063/1.3605808
29. Synthesis of CdSe@ZnS Quantum Dots via Non-TOPO Hydrothermal Techniques, G. Ramalingam, J. Madhavan, **R. Jerald Vijay**, M. Vimalan and P. Sagayaraj, **AIP Conf. Proc**., 1349, part A, 379-381, 2011. doi: 10.1063/1.3605893
30. Investigation on the Sol-Gel Synthesis, Structural, Optical and Gas sensing Properties of Zinc Oxide Nanoparticles, A. Muthuvinayagam, Boben Thomas, P. Dennis Christy, **R. Jerald Vijay**, T. Manovah David, and P. Sagayaraj, **Archives of Applied Science Research**, 3 (2011) 256-264

- **ARTICLES IN CONFERENCE PROCEEDINGS**

1. A comparative study on morphological and optical properties of pure and oleic acid added organic stilbazolium nanocrystal of DAST embedded in a PVA matrix for NLO applications, S. Dominique, Priya Antony, S. John Sundaram, R. Mahesh, **Jerald V Ramaclus,** N. Lawrence, P. Sagayaraj, *International Conference on Advanced Materials*, St. Joseph's College, Trichy, December 14 – 15, 2017
2. Structural and electrical properties of organic Stilbazolium single crystal of DSCHS, S. John Sundram, A. Antony Raj, **Jerald V. Ramaclus** and P. Sagayaraj, 60th *DAE Solid State Physics Symposium,* Amity University, Noida, December 21 – 25, 2015.
3. Structural, electrical and thermal properties of organic Stilbazolium single crystal of DSCHS, S. John Sundram, A. Antony Raj, **Jerald V. Ramaclus** and P. Sagayaraj, 24th *DAE-*

BRNS National Laser Symposium, Raja Ramanna Centre for Advanced Technology, Indore, December 2-5, 2015.

4. Growth, spectral, optical and thermal studies of an organic single crystal 4-N, N'-dimethylamino-N-methylstilbazolium 4-aminotoluene-3-sulfonate, Antony Raj, R. Gunaseelan, **R. Jerald Vijay** and P. Sagayaraj, *International Conference on Materials and Characterization Techniques,* Vellore Institute of Technology, Vellore, March 10-12, 2014.
5. Synthesis, growth and characterization of Trans - 4'-(Dimethylamino) – N – Phenyl– 4 – Stilbazolium Hexa Fluorophosphate (DAPSH) crystals, J. Arul Martin Mani, **R. Jerald Vijay**, P. Sagayaraj and V. Joseph, *National conference on Advanced materials and applications*, National Institute of Technology, Tiruchirapalli, April 4-5, 2013.
6. Investigation on the effect of oleic acid on the growth of DAST nanocrystals in polyvinyl alcohol (PVA) matrix, Tina Thomas, **R. Jerald Vijay,** R. Gunaseelan and P. Sagayaraj, *20th– DAE-BRNS-National Laser Symposium*, Anna University, Chennai, Jan. 9-12, 2012.
7. Investigation on crystal growth and characterization of mixed crystal of DAST and DSNS, Tina Thomas, J. Jayashainy, **R. Jerald Vijay,** and P. Sagayaraj, *International conference on Advance Materials, Loyola* College, Chennai, India, on Jan 5-7,2012.
8. Growth, structural and thermal analysis of DSSS single crystals, M. Antony Arockiaraj, Tina Thomas, **R. Jerald Vijay,** and P. Sagayaraj, 56th *DAE Solid State Physics Symposium,* SRM University, Chennai, December 23 – 27, 2011.
9. Investigation on the growth, structural and optical properties of DASC crystal: A potential THz emitter, R. Gunaseelan, S. Selvakumar, Tina Thomas, **R. Jerald Vijay**, and P. Sagayaraj, 56th *DAE Solid State Physics Symposium,* SRM University, Chennai, December 23 – 27, 2011.
10. THz material of n, n-dimethylamino-n'-methylstilbazolium 4-tyrenesulphonate (DSSS) single crystal, M. Antony Arockiaraj **R. Jerald Vijay**, R. Gunaseelan and P. Sagayaraj, *International conference on Advanced Materials*, PSG College of Technology, Coimbatore, India, December 12-16, 2011.
11. Growth, spectral and photoconductivity study of 4-N, N-dimethylamino-4'-N'- methyl-stilbazolium p-aminobenzenesulfonate (DSAS) single crystal, R. Gunaseelan**,** T. Arul Raja, S. Selvakumar, **R. Jerald Vijay** and P. Sagayaraj, *15th National Seminar on Crystal Growth,* PSN College of Engineering, Thiruneleveli, Tamil Nadu, March, 24-26, 2011.
12. Third order nonlinear optical properties of 4-N, N-dimethylamino-4'-N'-methyl-stilbazolium iodide (DMSI) single crystal, R. Gunaseelan, A. Antony Raj, G. Ramalingam, **R. Jerald Vijay** and P. Sagayaraj, *National Seminar on Recent trends in nonlinear optical materials and characterization*, Post Graduate Dept. of. Physics, Sacred Heart College, Chalakudy, Kerala, March 10-11, 2011.
13. Growth of bulk size DAST crystal by slope nucleation technique, M. Antony Arockiaraj, **R. Jerald Vijay**, Tina Thomas J. Jayashainy and P. Sagayaraj, *National Seminar on Recent trends in nonlinear optical materials and characterization*, Post Graduate Dept. of. Physics, Sacred Heart College, Chalakudy, Kerala, March 10-11, 2011.

14. Growth and Characterization of Mixed Crystals of N, N-dimethylamino-N'-methylstilbazolium p-toluenesulphonate and p-napthalenesulfonate, **R. Jerald Vijay**, Tina Thomas, A. Ramanand and P. Sagayaraj, *55th DAE Solid State Physics Symposium,* Manipal University, Manipal, December 26 – 30, 2010.
15. Investigation on Growth and Surface Analysis of DAST single Crystals, Tina Thomas, **R. Jerald Vijay**, R. Gunaseelan and P. Sagayaraj, *55th DAE Solid State Physics Symposium,* Manipal University, Manipal, December 26 – 30, 2010.
16. Growth, Spectral and Thermal studies of Organic NLO Crystals of DSAS by SNM Technique, R. Gunseelan, **R. Jerald Vijay,** G. Ramalingam and P. Sagayaraj, *55th DAE Solid State Physics Symposium,* Manipal University, Manipal, December 26 – 30, 2010.
17. Synthesis of CdSe@ZnS Quantum Dots via Non-TOPO Hydrothermal Techniques, G. Ramalingam, J.Madhavan, **R. Jerald Vijay**, M. Vimalan, P.Sagayaraj, *55th DAE Solid State Physics Symposium*, Manipal University, Manipal, December 26 – 30, 2010.
18. Synthesis and characterization of one dimensional semiconducting nanorods and nanobelts, G. Ramalingam, J. Madhavan, P. Sagayaraj, S. Selva kumar, R. Gunaseelan, **R. Jerald Vijay**, *International Symposium for Research Scholars on Metallurgy, Materials Science and Engineering,* Indian Institute of Technology, Madras, **December 20 – 22, 2010.**
19. Investigation on DAST nanocrystals embedded in polyvinyl (PVA) matrix**, R. Jerald Vijay**, G. Ramalingam, Tina Thomas, A. Ramanand and P. Sagayaraj, *19th DAE-BRNS National Laser Symposium*, Raja Ramanna Centre for Advanced Technology, Indore, December 1-4, 2010.
20. A comparative study on the structural and optical properties of hydrated and non-hydrated N, N-dimethylamino-N'-methylstilbazolium p-toluenesulphonate (DAST) crystals, Tina Thomas, **R. Jerald Vijay** and P. Sagayaraj, *19th DAE-BRNS National Laser Symposium*, Raja Ramanna Centre for Advanced Technology, Indore, December 1-4, 2010.
21. Synthesis, Growth and characterization of nonlinear optical 4-N, N-dimethylamino-4'-N'-methyl- stilbazolium p-aminobenzenesulfonate (DSAS) single crystal, R. Gunaseelan, **R. Jerald Vijay**, M. Antony Arockiaraj and P. Sagayaraj, *19th DAE-BRNS National Laser Symposium*, Raja Ramanna Centre for Advanced Technology, Indore, December 1-4, 2010.
22. Structural and optical characterization of solution grown MMTC nonlinear optical crystals, T. Rajesh Kumar, P. Dennis Christy, R. Jeyasakeran, **R. Jerald Vijay**, R. Gunaseelan and P. Sagayaraj, *13th National Seminar on Crystal Growth,* SSN college of Engineering, Tamil Nadu, January, 27-29, 2009.
23. Investigation of bulk size crystal growth by slope nucleation technique, **R. Jerald Vijay**, R. Gunaseelan, R. Velu and P. Sagayaraj, *National Symposium on Growth of Detector-Grade Single Crystals NSGDSC-2009*, Bhabha Atomic Research Centre, Mumbai, November 19-21, 2009.

BIBLOMETRICS

- Articles in journals: **30**
- Articles in conference proceedings: **23**
- Number of citations in WOS: **287**
- Number of citations in Scopus: **318**
- Number of citations in google scholar**: 369**
- H-Index: **11**
- Peer reviews:**70**
- Editor records: **15**

PROFILE LINKS

- https://vidwan.inflibnet.ac.in/profile/428602
- https://www.webofscience.com/wos/author/record/274602
- www.scopus.com/authid/detail.url?authorId=49864787800
- https://scholar.google.cl/citations?hl=en&user=B5Iiws0AAAAJ&sortby=pubdate
- https://www.researchgate.net/profile/Jerald_Ramaclus
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- https://www.linkedin.com/in/jerald-ramaclus-1290b851/