

Dr. S. Jose Kavitha
Assistant Professor
Department of Chemistry
Mother Teresa Women's University
Kodaikanal



EDUCATION

M. Sc, B.Ed., Ph. D

POSTITIONS HELD

Academic: Assistant Professor

Administrative: Nil

MEMBERSHIP IN ACADEMIC BODIES

Member, Board of Studies, Jeyaraj Annapakiam College, Periyakulam

Member, Board of Studies, Arulmigu PALanianadavar College of Arts and Science for women, Palani.

MEMBERSHIP IN PROFESSIONAL BODIES

Member, International Union of Crystallography

RESEARCH EXPERIENCE : 7 years

AWARDS AND HONOURS:

- **Gold medal** for proficiency (first place) in **English** in undergraduate level
- **Second Rank** in postgraduate study (M. Sc, Chemistry) in the Department

PUBLICATIONS

Conference Publications: 7

1. S. Thenmozhi, **S. Jose Kavitha**, K. Panchanatheswaran, "Bond Valence sum calculations and structure of $\text{Na}_2(\text{H}_3\text{O})_2\text{V}_{10}\text{O}_{28} \cdot 12\text{H}_2\text{O}$ ", 32nd National Seminar on Crystallography, Post-Graduate Department of Physics, University of Jammu, Jammu Tawi, October 24-26, 2002.
2. K. Panchanatheswaran, M. Baby Mariyatra & **S. Jose Kavitha**, "Molecular structure resonance stabilized phosphorus ylides-II: Crystallographic Investigations, 33rd National Seminar on Crystallography, NCL Pune, Jan 8-10, 2004.

3. B. S. Krishnamoorthy, **S. Jose Kavitha**, K. Panchanatheswaran, M. R. J. Elsegood, S. H. Dale, V. G. Yuen & J. H. McNeill, "Mixed Ligation To Vanadium(III): Structure of Bis(picolinato)(acetylacetonato)vanadium(III)", 34th National Seminar on crystallography, Gauhati University, Guwahati, 10-12, January, 2005.
4. **S. Jose Kavitha**, B. S. Krishnamoorthy, K. Panchanatheswaran, Mark R. J. Elsegood and Sophie H. Dale, "Packing and Stacking in 1,10-phenanthroline salts: Anion effects", 34th National Seminar on Crystallography, Gauhati University, Guwahati, 10-12, January, 2005.
5. R. Sangeetha, R. Revathi and **S. Jose Kavitha***, Methylene Blue-Metal complexes: Synthesis, Characterisation and Antibacterial Studies, *National Conference on Research Trends in Inorganic Chemistry* sponsored by DST- CURIE on 19.03.2013
6. P. Sivajeyanthi, B. Eswari, **S. Jose Kavitha*** "Mixed - Ligand Vanadium(III) Acetylacetonate complexes: Synthesis and Characterization", *National Conference on Research Trends in Inorganic Chemistry* sponsored by DST- CURIE on 19.03.2013
7. S. Jose Kavitha and K. Panchanatheswaran, Hydrogen-bonded sheets in (1,10-phenanthroline- $\kappa 2N,N'$) (pentane-2,4-dionato- $\kappa 2O,O'$)(thiocyanato-*N*)oxovanadium(IV)", International conference on "Chemistry in Synergy with Materials and Biology", 10-11, January, 2014, Bishop Heber college, Tiruchirappalli.

International Journal: 12

1. **S. Jose Kavitha**, T. R. Sarangarajan, K. Panchanatheswaran, K. Thanikasalam, R. Jeyaraman, *Acta Cryst.* **2003**, *E59*, o463.
2. **S. Jose Kavitha**, S. Chandrasekar, K. Panchanatheswaran, *Acta Cryst.* **2003**, *E59*, o947.
3. **S. Jose Kavitha**, M. Mohan Raj, K. Panchanatheswaran, D.E. Lynch, *Acta Cryst.* **2004**, *E60*,
4. **S. Jose Kavitha**, K. Panchanatheswaran, K.; J. N. Low, C. Glidewell, *Acta Cryst.* **2005**, *E61*, m1326.
5. **S. Jose Kavitha**, K. Panchanatheswaran, J. N. Low, C. Glidewell,, *Acta Cryst.* **2005**, *C61*, o473.
6. **S. Jose Kavitha**, K. Panchanatheswaran, J. N. Low, C. Glidewell,.; *Acta Cryst.* **2005**, *E61*, m1965.
7. **S. Jose Kavitha**, K. Panchanatheswaran, J. N. Low, C. Glidewell, solvate", *Acta Cryst.* **2006**, *E62*, m529.

8. **S. Jose Kavitha**, K. Panchanatheswaran, M. R. J. Elsegood, S. H. Dale, *Inorg. Chim. Acta.* 2006, 359, 1314.
9. **S. Jose Kavitha**, K. Panchanatheswaran, J. N. Low, G. Ferguson, C. Glidewell, *Acta Cryst.* 2006, C62, o165.
10. **S. Jose Kavitha**, K. Panchanatheswaran, J. N. Low, C. Glidewell, , *Acta Cryst.* 2006, C62, m116.
11. **S. Jose Kavitha**, K. Panchanatheswaran, J. N. Low, C. Glidewell, *Acta Cryst.* 2006, C62, m177.
12. M. Mohan Raj, A. Dharmaraja, **S. Jose Kavitha**, K. Panchanatheswaran, D. E.Lynch, *Inorg. Chim. Acta.* 2006, 360, 1799.

SEMINARS, CONFERENCES AND WORKSHOPS

1. JNCASR Frontier Lecture Series in Chemistry, Department of Chemistry, Bharathidasan University, Tiruchirappalli, Dec 16-18, 1998.
2. National Seminar on Organometallic Chemistry, Department of Chemistry, Bharathidasan University, Tiruchirappalli, March 24-25, 1999.
3. National Seminar on Recent Trends in natural Products Chemistry, Department of Chemistry, Bharathidasan University, Tiruchirappalli, March 30-31, 1999.
4. 32nd National Seminar on Crystallography, Post-Graduate Department of Physics, University of Jammu, Jammu Tawi, INDIA, October 24-26, 2002.
5. Fifth National Symposium in Chemistry, CLRI, Chennai, INDIA, February 7-9, 2003.
6. 33rd National Seminar on Crystallography, NCL Pune, INDIA, January 8-10, 2004.
7. 34th National Seminar on crystallography, Gauhati University, Guwahati, INDIA, January 10-12, 2005.
8. National workshop on Molecular electronic structure and dynamics, School of Chemistry, Bharathidasan University, March 22-24, 2005.
9. Theoretical Chemistry Symposium, School of Chemistry, Bharathidasan University, Tiruchirappalli, Dec. 11-13, 2006.

10. National training programme on “Science and technology for rural societies”, sponsored by the Department of Science and Technology, and organized by Lal Bahadur Shastri National Academy of administration, Mussorie, 5-17, December, 2010.
11. National Workshop on *Advanced Materials Characterization* organised by Banasthali Vidyapith, Banasthali, Rajasthan, India (October 03-07, 2012)
12. Orientation Course for Assistant Professors organised by the UGC- Academic Staff College, Bharathidasan University, from 15.11.2012 to 12.12.2012.
13. National level workshop on Theory and Research methods in sciences at Mother Teresa Women’s University, 14th-20th September, 2013.
14. National Workshop on “Tuning Nanoscientific Research towards Industrial Needs” 4.10.2013 to 12.10.2013
15. International Conference on Chemistry in Synergy with Materials and Biology, Bishop Heber College, Tiruchrappalli January, 10-11, 2014.
16. DST-CURIE sponsored National workshop on “Techniques in Biotechnology and Molecular Biology- Analysis of Biological molecules, Avinashilingam University, 20-25, January, 2014.