

STAFF PROFILE

- 1) **Name** : Mrs. S. VALLI
- 2) **Designation** : Assistant Professor
- 3) **Department** : Chemistry
- 4) **Qualification** : M.Sc., M.Phil.,
- 5) **Experience** : Teaching : 2
- 6) **Area of Specialization (s)** : Crystallography, Inorganic Chemistry
- 7) **E-mail** : sku4valli@gmail.com
- 8) **Academic Qualifications** : M.Sc., M.Phil.,
- 9) **Additional Qualifications** :

Diploma/ Vocational/ Certification	Area of Specialization	Institution/ University/ Agency Name	Year
IELTS 20 hours preparation course	Listening, Reading , Writing and Speaking	British council, sponsored by TANSCHE (Tamil Nadu State Council for Higher Education)	2015
Postgraduate Certificate	Analytical Chemistry	Sheffield Hallam University, South Yorkshire, United Kingdom	2015 - 2016

10) Publications

- **Valli. S**, Dr. R. Uma Rani, “Synthesis, Spectral and Thermal Stabilization of Crystals of Phenyl Trimethyl Ammonium Tetrabromo Cadmate (II)” in the Nirmala Annual Research Congress (NARC- 2019), page no: 534- 538, ISBN: 978-93-5391-196-6.
- **Valli. S**, Dr. K. Anbarasi, “Studies on Bioactive Constituents and Anti-Microbial Activities Of *Cucurbita Maxima*” in the Nirmala Annual Research Congress (NARC- 2019) , page no: 514- 517, ISBN: 978-93-5391-196-6.
- **Valli. S**, Ms. Sandra. K. Saji, “Growth & Characterization of noval ABX₃ type crystal using Metal halide (BaBr₂) by slow evaporation method” in International Journal of Scientific research in Engineering & Management (IJSREM), Impact factor: 4.106, Volume: 05, Issue: 04, ISSN No: 2582 - 3930

- **Valli. S**, Ms. Hemalatha. J, “Synthesis & Characterization of noval ABX₃ type crystal using Benzyltriethylammonium chloride & Metal halide (BaCl₂) by slow evaporation method” in International Journal of Scientific research in Engineering & Management (IJSREM), Impact factor: 4.106, Volume: 05, Issue: 04, ISSN No: 2582 – 3930
- **Mrs. Valli. S**, Femeena. A, Jyothika. R, Nivetha. V, Parkavi. S, “Analysis of Adulterants in Habitual Aliments by Chemical Procedures and Description on Patron Preference and the Health Hazards Caused by those Adulterants using a Survey”, International Journal of Humanities and Sciences (IJHS), Volume 01, Issue 02, Page no: 212 – 218.

11) Book Publication:

- **Mrs. Valli. S**, published “Tamizhar Ariviyal” with ISBN 978-93-5566-868-4.

12) Presentation in the Conference:

- Done Poster presentation on “Surface analysis techniques” organized by Faculty of health and wellbeing-Department of Biosciences, Sheffield Hallam University, Sheffield S1 1WB, South Yorkshire, United Kingdom, December 17 2015
- Presented a research paper on “Synthesis, spectral and thermal stabilization of crystals of Phenyltrimethylammonium tetrabromo cadmate (II)” in the Nirmala Annual Research Congress (NARC- 2019) , Organised by the Internal Quality Assurance Cell, Nirmala college for Women, Coimbatore, 27th November 2019.
- Presented a research paper on “Studies on Bioactive constituents and anti microbial activities of *Cucurbita maxima*” in the Nirmala Annual Research Congress (NARC- 2019) , Organised by the Internal Quality Assurance Cell, Nirmala college for Women, Coimbatore, 27th November 2019.
- Done Paper presentation on “Growth and Characterization of Benzyltriethylammonium trichloro cadmate (ABX₃) crystal by slow evaporation method for modern technological application” organized by International virtual conference on Advanced materials for emerging technologies (ICAMET 21) organized by Sri Ramakrishna Mission Vidyalaya college of Arts and Science, CBE on 26/07/2021 & 27/07/2021

13) Participation in Conference:

- Two days National conference on “Immunoinformatics- An Insilico Aid towards better medicines-CIMI-13” organized by Department of Bioinformatics, Nirmala college for women (Autonomous), Coimbatore-18, sponsored by DBT, DRDO and DST on October 3 and 4, 2013.

- Two days National conference on “Recent Trends in medicinal chemistry” organized by PG and research department of chemistry, Government arts college (Autonomous), Coimbatore-18, February 19,20, 2015.
- National Conference on “Recent Trends in chemistry-2018” organized by PG and Research Department of chemistry, Sri Ramakrishna Mission Vidyalaya college of arts and science, Coimbatore-641 020,February 2 2018.
- Two days International Conference on " Smart & Sustainable Development in Material & Medicinal Chemistry", organized by Department of Chemistry, Nirmala College for women, 19/07/2021 & 20/07/2021.
- Two days International Conference on “Accelerating Research on DNA: Current Trends & Future Directions” organized by Department of Chemistry, Nirmala College for women, 25/08/2021 and 26/08/2021.
- Two days National Conference on “Opportunities for Science Education in Industry, Research and Academics” organized by Nirmala College for Women, Coimbatore, Tamilnadu and Vijnana Bharati (VIBHA), New Delhi , 28/08/2021 and 29/08/2021

14) Participation in Seminar

- Two days Seminar on “Fundamentals of Statistical thermodynamics, Nano chemistry, corrosion chemistry and Spectroscopy-STNCS 2013” organized by Department of chemistry, Nirmala college for women (Autonomous), Coimbatore-18, September 3 and 4, 2013.
- One day National Seminar in commemoration of “International Year of Periodic Table of Chemical Elements – IYPT 2019”, funded under the Star college scheme, DBT, Govt of India, organized by PG and Research Department of chemistry, Nirmala college for Women, Coimbatore on 20th September 2019.
- One day International Seminar on “Contemporary Horizons in Chemical Sciences (CHCS 2020)”, organized by PG and Research Department of chemistry, Nirmala college for Women, Coimbatore, February 10 2020.

15) Participation in Workshop:

- Two days workshop on “Demonstration experiment in chemistry and science quiz” organized by department of chemistry, PSG college of arts and science in association with Indira Gandhi centre for atomic research, Kalpakkam sponsored by Department of Biotechnology- New Delhi under star college scheme on August 16 and 17, 2013.

- Workshop on the “Innovative Eco – systems, Incubation Centres and Start- Ups for Higher Education Institutions” organized by The Internal Quality Assurance Cell, Nirmala College for Women, Coimbatore, 19th March 2020.
- Workshop on “Fine Tuning Research planning using Elsevier tools: Science direct, Scopus and Mendeley” organized by K.J. Somaiya College of Science and Commerce, Mumbai sponsored by Elsevier, 25th April 2020.
- Workshop on “Best Practices and Evolving Benchmarks in Higher Education Institutions” organized by The Internal Quality Assurance Cell, Nirmala College for Women, Coimbatore under PARAMARSH Scheme on 28th June 2021.

16) Participation in Orientation Programme/ Induction Programme/ Short term Courses:

- Orientation Lectures on “ Current trends in Biotechnology and Bio informatics” organized by PG and Research Department of Botany, Nirmala college for women (Autonomous), Coimbatore-18, sponsored by Department of Biotechnology- New Delhi on March 2,2012.
- Popular Lecture Series on “Basic concepts and Recent Advances in Modern Biology/Biotechnology , funded under DBT – CTEP Department of Biotechnology Government of India, Organized by Nirmala college for Women, Coimbatore, 27th February 2020.
- Orientation Programme on “ Human Energy Management” organized by Department of Chemistry, Nirmala College for Women, Coimbatore, 27.05.2020
- Orientation Programme on “ Laboratory Safety Symbols” organized by Department of Chemistry, Nirmala College for Women, Coimbatore, 15.06.2020.

17) Participation in Faculty Development Programme:

- Faculty development programme on “Innovative Teaching strategies”, organized by Curriculum Development Cell, Nirmala College for Women, Coimbatore, 30th October 2019.
- Three days Faculty development programme on “Moodle Learning Management System”, organized by The Kaypeeyes College of Arts and Science, Kotagiri, sponsored by Spoken Tutorial Project, IIT Bombay, 29/04/2020- 01/05/2020
- Faculty development programme on “Industry 4.0: The New Normal” organized by VET Institute of Arts and Science, Thindal, Erode. Edspire Webinar Series 2019 – 2020 on 1st May 2020
- Two days Faculty development programme on “Impact of Research during Pandemic” organized by The Kaypeeyes College of Arts and Science, Kotagiri in association with Nirmala College for Women, Coimbatore UGC funded PARAMARSH Scheme, 14th and 15th September 2021.

- Six days Faculty Development programme on “Emerging Research trends in Applied science and Technology” Jointly organized by Department of Science and Humanities (Physics) & Centre of Materials research, Nehru Institute of Technology, Coimbatore, 21/09/2021 -27/09/2021

18) Conference/ Seminar/ Workshop Organized:

- Exhibition on “History and Chemistry of Periodic Table” in commemoration of International Year of Periodic Table of Chemical Elements – IYPT 2019, along with the PG and Research Department of Chemistry, Nirmala college for Women, Coimbatore on 19th September 2019.
- In Commemoration Of International Year Of Periodic Table Of Chemical Elements – IYPT 2019 – National Seminar - Funded Under the Star College Scheme, DBT, Govt of India – 20th September 2019.
- Sustainable Innovations and Empowerment In Chemistry – International Symposium – Video Conference – 18th December 2019.
- Intercollegiate Students Meet – CHEMFLAIR’ 20 -21st January 2020
- Contemporary Horizons in Chemical Sciences (CHCS 2020) - International Seminar - 10th February 2020.
- A motivational talk on”Personality development” cum Quiz on 27th May 2020 through You tube platform and google forms
- Connection Quiz on “Guess Who & What- Chem E- Connection Quiz” on 18th June 2020 through online
- Poster Competition on the topic “Energy Conservation-Way to sustainable future” on 18.05.2021 through online
- Quiz Competition on the topic “Energy Conservation Quizzard 21” on 20.05.2021 & 21.05.2021 through google forms
- Webinar on the topic “Power Economics: Energy efficiency, conservation and generation strategies” on 24.05.2021 through Zoom platform.
- Webinar on the topic “Rhenium(I) carbonyl complexes as luminescent probes and photocatalyst for CO₂ conversion” on 25.05.2021 through Zoom meet online platform.

19) Invited Speaker/ Session Chair – Conference/ Seminar/ Workshop:

- As a Resource Person for Guest Lecture on “ Essentials of Chemistry and the career Opportunities”, organized by Sri Ranganathar Institute of Polytechnic College, Athipalayam, Coimbatore on 19th feb 2020
- Invited as a Resource Person for Webinar on “ Essentials of Chemistry and the career Opportunities”, organized by Sri Ranganathar Institute of Polytechnic College, Athipalayam, Coimbatore on 22nd June 2020

20) Awards and Achievements:

- **Won the Runner place in Throw ball** at school level (Milon Matriculation School) on 2007.
- **Won the Winner place in Throw ball** at school level on (Milon Matriculation School) 2008.
- **Won the Runner place in Zonal Throw ball tournament** at high school level on (Sri Sowdeswari Vidyalaya Higher secondary School) 2009
- Received “**Third prize in Quiz**” organized by Chemistry Association, Nirmala college for women (Autonomous), Coimbatore-18, ,March 14 2012.
- Received “**Third prize in Elocution competition**” organized by energy club, Nirmala college for women (Autonomous), Coimbatore-18, March 14 2012.
- Awarded “**General Proficiency prize in Branch IV chemistry**”, Nirmala college for women (Autonomous), Coimbatore-18, February 28 2013.
- Awarded “**Group Proficiency First prize in Branch IV Chemistry**”, Nirmala college for women (Autonomous), Coimbatore-18, February 28 2013.
- “**Finalist in Chemistry Quiz**” conducted by Society of Advancement of Chemical sciences and Education (SACSE), Radiochemistry Laboratory, Indira Gandhi centre for Atomic Research, Kalpakkam-603 102 held at PSG arts and science college, Coimbatore, August 16 2013
- Received “**Certificate of Merit**” for securing “**First prize in quiz**” inter collegiate meet “CHEM FUTURA-2014”, Sri Vasavi college, Erode, January 24 2014.
- Awarded “**Group Proficiency First prize in Branch IV chemistry**”, Nirmala college for women (Autonomous), Coimbatore-18, February 18 2014.
- Awarded “**General Proficiency prize in Branch IV chemistry**”, Nirmala college for women (Autonomous), Coimbatore-18, February 18 2014.

- Awarded special prize by “**D.S.V memorial prize** “ for securing “**Highest mark**” in chemistry 2014-2015, Nirmala college for women (Autonomous), Coimbatore-18.
- Received “**First prize in Quiz** “ held at Nirmala college for women (Autonomous), Coimbatore-18, March 28 2014.
- Received “**Certificate of Academic Excellence**” and “**Gold Medal**” for securing “**First rank**” in UG degree, Nirmala college for women (Autonomous), coimbatore-18, june 21, 2014.

21) Any Other:

- Volunteered “Explore the frontiers of space-Space festival” organized by Bharathiar university, Coimbatore-46, sponsored by NASA, ISRO and DRDO, July 9-14, 2012.