

CURRICULUM VITAE

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Google Scholar Id: [IKwEySIAAAAJ](https://scholar.google.com/citations?user=IKwEySIAAAAJ)

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Research Cited by

Total Citation: 1399

h - index: 23

i10- index: 43

ACADEMIC QUALIFICATIONS

University of Miami, Florida, USA.

Post-doctoral Researcher(Raman fellowship funded by UGC, NewDelhi), 2017-18.

Annamalai University, Tamilnadu, India.

Ph.D. in Chemistry, 2008, Area of specialization: Photochemistry

M.Phil. in Applied Chemistry, 2003, Area of specialization: Photochemistry

M.Sc. in Chemistry, 2000, Area of specialization: Physical Chemistry

Bharathidasan University, Tamilnadu, India, 1993-1996

B.Sc. in Chemistry

TEACHING EXPERIENCE

Assistant Professor: Department of Industrial Chemistry, Alagappa University, **2009- Present.**

- for M.Sc. Electrochemistry students (Energy devices, electroplating, Batteries ect.,).

-for M.Sc. General Chemistry students (Quantum chemistry, Group theory, Spectroscopy, Photochemistry, Surface chemistry ect.,).

Assistant Professor: Department of Chemistry, Gnanamani college of Technology, Tamilnadu, India, **2008- 2009.**

- for B.E and B.Tech students(Water technology, polymer chemistry, electrochemistry, Petroleum products ect.,).

Lecturer: Muthayammal college of Arts and Science, Tamilnadu, India, **2006- 2008.**

-for M.Sc., General Chemistry and B.Sc., Chemistry students.

AWARDS AND HONORS

- (i) **Alagappa University, Karaikudi, Tamil Nadu, India** - VallalAlagappan Research Recognition Award -2020.
- (ii) **University grants commission, New Delhi, India**–Raman fellowships for postdoctoral research for Indian scholars in USA, 2017-2018.
- (iii) Department of Science & Technology (INDIA) – SERC Fast Track **YOUNG SCIENTISTAWARD**, 2011-1014.

RESEARCH INTERESTS

- Develop the Lead free Perovskites materials for solar cell applications.
- Preparation and characterizations of newer cathode, anode and electrolyte materials for dye Sensitized solar cells.
- Develop the Fluorescence and electrochemical sensor probes through Host-guest Recognition.

MEMBERSHIP IN PROFESSIONALS BODIES

Indian Science Congress Association, Kolkata, India (L14707).

Solid State Chemistry, Jammu and Kashmir, India.

Indian society for Radiation and Photochemical sciences, Bombay, India.

RESEARCH GUIDANCE / SUPERVISION

Program of Study		Completed	Ongoing
Research	Ph.D.	09	04
	M.Phil.	09	-
Project	PG	37	05
	UG / Others	-	-

Ph.D., Thesis Guided at Alagappa University, Tamilnadu, India.

1. K. Srinivasan, Full Time Ph.D., Scholar (May 2014)

Thesis Title: Preparation and characterization of inclusion complexes of aromatic dinitro compounds with β -cyclodextrin and their application as uv absorber in ball point pen ink.

Present position: Assistant Professor, Dept. of Chemistry, Sree Sevugan Annamalai College, Devakottai- 630303, Tamil Nadu, INDIA.

2. R. Kavitha, Part Time Ph.D., Scholar (October 2014)

Thesis Title: Study on photophysical behavior of inclusion complexes between naphthalene derivatives and β -cyclodextrin and their application for chemosensor.

Present position: Assistant Professor, Dept. of Chemistry, Sri Sarada College for Women, Salem-636016, Tamil Nadu, INDIA.

- 3. C. Menaka, Full Time Ph.D., Scholar (July 2015)**
Thesis Title: Development of electrode and electrolyte materials for solar cell applications.
Present position: PG Teacher, Govt Girls Higher Secondary School, Gobi, ERODE - 638476, Tamil Nadu, INDIA.
- 4. S. Mohandoss, Full Time Ph.D., Scholar (May 2016)**
Thesis Title: Study on host-guest inclusion complexes and their colorimetric and fluorescent chemosensors applications.
Present position: Research Professor, School of Chemical Engineering, Yeungnam University, Gyeongsan, SOUTH KOREA.
- 5. Shanmugapriya A, Full Time Ph.D., Scholar (July 2016)**
Thesis Title: Preparation and characterization of inclusion complexes of poorly water soluble drugs with β -cyclodextrin and their pharmaceutical applications
Present position: Assistant Professor, Department of Chemistry, PSR Arts and Science College, Sivakasi-626140, Tamil Nadu, INDIA.
- 6. K. Paramasivaganesh, Part Time Ph.D., Scholar (March 2017)**
Thesis Title: Study of host-guest inclusion complexes between different biphenyl compounds and β -cyclodextrin and their antibacterial activity.
Present position: Assistant Professor, Department of Chemistry, Arumugam Pillai Seethai Ammal College, Tirupattur - 630211, Tamil Nadu, INDIA.
- 7. M. Maniyazagan, Full Time Ph.D., Scholar (April 2017)**
Thesis Title: Preparation and characterization of new fluorescent probes for chemosensor applications: photophysical, *in-silico* and *in-vitro studies*
Present position: Research Professor, Nanotechnology & Advanced Materials Engineering, Sejong University, Seoul, SOUTH KOREA.
- 8. B. Suganya Bharathi, Register No: 0946, Full Time Ph.D., Scholar –(October 2020)**
Thesis Title: Development of functional nanofibrous scaffold materials and their wound healing studies
Present position: Research Associate, Bangalore, INDIA.
- 9. K. Sakthivelu, Register No: 0570, Full Time Ph.D., Scholar – (June 2021)**
Thesis Title: Preparation and Characterizations of Polymeric materials for Solar Cell Application
Present position: Applied post-doctoral research position, SOUTH KOREA.
- 10. G. Vigneshkumar, Reg. No: R20161756, Full Time Ph.D., Scholar – (Ongoing)**
Thesis Title: Photocatalysis Approach to Enantioselective [2 + 2] cycloaddition Reactions

- 11. N. Vimalasruthi, Reg. No: 1954, Full Time Ph.D., Scholar – (Ongoing)**
Thesis Title: Near–Infrared to Visible Photon Upconversion using Lead free Perovskites Nanocrystals as Triplet Sensitizer
- 12. S.Esakkimuthu, Reg. No: R20162232, Full Time Ph.D., Scholar – (Ongoing)**
Thesis Title: Near–Infrared to Visible Photon Upconversion using Lead free Perovskites Nanocrystals as Triplet Sensitizer
- 13. V. Kannan, Reg. No:R20162464, Full Time Ph.D., Scholar – (Ongoing)**
Thesis Title:Synthesis of Cinnamic acid derivatives and their binding properties to Cyclodextrins and Cucurbiturils host molecules

M.Phil., Dissertation Guided at Alagappa University, Tamilnadu, India.

- 1. K. Kayalvizhi, Reg. No. 2009596007, 2009 - 2010 batch (Awarded)**
Thesis Title:Study of inclusion complex of Diphenylamine and β -Cyclodextrin; Photophysical and electrochemical behaviours
- 2. J.Vaheethabanu, Reg. No. 2009596014, 2009 - 2010 batch (Awarded)**
Thesis Title:Spectroscopic and electrochemical studies of ortho-anisidine in different solvents, pH and β -Cyclodextrin
- 3. D. Krishna veni, Reg. No. 2010596004, 2010 - 2011 batch (Awarded)**
Thesis Title:Spectroscopic and electrochemical studies of ortho-anisidine in different solvents, pH and β -Cyclodextrin
- 4. K. Sathya, Reg. No. 2011596007, 2011 - 2012 batch (Awarded)**
Thesis Title: Investigation of polyaniline counter electrode and polymer gel electrolyte for dye-sensitized solar cell applications
- 5. P. Malathi, Reg.No. 2013596003, 2013- 2014 Batch, (Awarded)**
Thesis Title:Preparation and characterization of Rhodamine derivative and their chemosensor applications
- 6. M. Mohana, Reg.No. 2014596006, 2014- 2015 Batch, (Awarded)**
Thesis Title: Spectral study an inclusion complexation between aromatic carboxylic acid and β -Cyclodextrin
- 7. A. Saranyadevi, Reg.No. 2015596006, 2015- 2016 Batch, (Awarded)**
Thesis Title:Electrochemical preparation and characterization of poly(aniline)-graphene oxide binary composite counter electrode for Dye sensitized solar cell
- 8. M. Manojkumar, Reg.No.2017596004, 2017- 2018 Batch, (Awarded)**
Thesis Title:Graphene oxide decorated Methylammonium lead iodide Nanocrystalline materials for Perovskite Solar Cell

9. P. Muthuselvi, Reg.No.2018596006, 2017- 2018 Batch, (Awarded)

Thesis Title: Fabrication of Bromelain-Modified Poly (Vinyl Alcohol)/Hydroxy Ethyl Cellulose Electrospun Mats and their Applications as Antibacterial and Antioxidant Studies

Funded Research Projects –AS PRINCIPAL INVESTIGATOR

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
5.	DST Govt. of India.	2019	2022	Preparation and characterization of electrically conducting organic polymer photoactive film for organic photovoltaic cells: by electrochemical doping and electrospinning approaches	32,82,500 (Ongoing)
4.	UGC Govt. of India.	2017	2018	Improvements of Drug Properties by Cyclodextrin Complexation –Raman fellowships for postdoctoral research for Indian scholars in USA.	25,13,752 (Completed)
3.	DST Govt. of India.	2011	2014	Enhanced Host-guest electrochemical recognition of various organic pollutants using cyclodextrin in the presence of carbon nanotubes	21,20,000 (Completed)
2.	UGC Govt. of India.	2011	2014	Development of newer modified electrodes using conducting polymer nano composites for dye Sensitized solar cells	7,23,800 (Completed)
1.	AURF	2009	2010	Fluorescence biosensor based on insoluble β -cyclodextrin polymer for direct determination of cholesterol and 2, 4- and 2, 6-dinitrophenols	64,000 (Completed)

RESEARCH PUBLICATIONS

62.	Suganya Bharathi Balakrishnan, Manawwer Alam, Naushad Ahmad, Manikandan Govindasamy, Sakthivelu Kuppu and Stalin Thambusamy* , (2021). Electrospinning nanofibrous graft preparation and wound healing studies using ZnO nanoparticles and glucosamine loaded with poly(methyl methacrylate)/polyethylene glycol, New Journal of Chemistry, 45 (2021) 7987-7998. [Royal Society of Chemistry] (Impact Factor: 3.288).
61.	K. Sakthi Velu, Manawwer Alam, Naushad Ahmad, S. Esakkimuthu, G. Vignesh Kumar, S. Mohandoss, J. Anandha Raj, K. Selvam and Golap Kalita, T. Stalin* , (2021). Photoanode surface modification using novel graphene oxide integrated with methylammonium lead iodide in organic-inorganic perovskite solar cells, Journal of Physics and Chemistry of Solids, 154 (2021) 110036. [Elsevier] (Impact Factor: 3.442).
60.	Esakkimuthu Shanmugasundaram, Vigneshkumar Ganesan, Vimalasruthi Narayanan,

	MuthukumarPerumalsamy, Sakthi VeluKuppu, ParuthimalKalaiganGuruviah, and Stalin Thambusamy* , (2021).Preparation and characterization of quantum dot doped polyaniline photoactive film for organic solar cell application, Chemical Physics Letters, 771 (2021) 138517. [Elsevier] (Impact Factor: 2.029).
59.	K.Sivakumar, G.Parinamachivayam, M. MuraliKrishnan, V.Ragavendran, T.Stalin ,K.Premkumar, SujayChakravarty, A.Bharathi, (2021). Reinforcement of ‘imine-hydroxyl chelation pocket’ by encapsulating into the β -CD cavity for the sterically protective detection of Al^{3+} , Journal of Molecular Liquids 323 (2021) 114949.[Elsevier] (Impact Factor: 5.065).
58.	Vimalasruthi Narayanan, ManawwerAlam, Naushad Ahmad, Suganya Bharathi Balakrishnan, Vigneshkumar Ganesan, EsakkimuthuShanmugasundaram, Brindha Rajagopal, and Stalin Thambusamy* , (2021).Electrospun poly (vinyl alcohol) nanofibers incorporating caffeic acid/cyclodextrins through the supramolecular assembly for antibacterial activity, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy249 (2021) 119308.[Elsevier] (Impact Factor: 3.232).
57.	Vigneshkumar Ganesan, ManiyazaganMunisamy, EsakkimuthuShanmugasundaram, Krishnamoorthy Sivakumar, SenthilvelanSambandam, Paramasivaganesh Kumaraswamy, and Stalin Thambusamy* , (2021). Electrochemical sensing of N-phenyl-1-naphthylamine using the MWCNT/ β -CD through ‘host scavenger–guest pollutant’ mechanism. Chemical Papers 75 (2021)1421–1430.[Springer Nature] (Impact Factor: 1.680).
56.	Vimalasruthi Narayanan, Murali Krishnan Mani, Stalin Thambusamy* , (2020).Electrospinning preparation and spectral characterizations of the inclusion complex of ferulic acid and γ -cyclodextrin with encapsulation into polyvinyl alcohol electrospun nanofibers,Journal of Molecular Structure 1221 (2020) 128767. [Elsevier] (Impact Factor: 2.463).
55.	B.Suganya Bharathi and Stalin Thambusamy* , (2020). Preparation of silver nanoparticles and riboflavin embedded electrospun polymer nanofiberous scaffolds for <i>in-vivo</i> wound dressing application, Process Biochemistry, 88 (2020)148-158,[Elsevier] (Impact Factor: 2.883).
54.	B.Suganya Bharathi and Stalin Thambusamy* , (2019).Cerium oxide and peppermint oil loaded polyethylene oxide/graphene oxide electrospunnanofiberous mats as antibacterial wound dressings, Materials Today Communications, 21(2019) 100664. [Elsevier] (Impact Factor: 2.678).
53.	A.Shanmugapriya,B.Suganyabharathi, G.Vigneshkumar, M.Maniyazagan, K.Sakthivelu, N. Vimalasruthi, B.Vaseeharan, J.Sivakamavalli and Stalin Thambusamy* , (2019).In-vitro dissolution and microbial inhibition studies on anticancer drug etoposide with β -cyclodextrin, Materials Science and Engineering: C, 102 (2019) 96-105. [Elsevier] (Impact Factor: 5.88).
52.	M. Maniyazagan, S. Chakraborty, Horacio Pérez-Sánchez, T. Stalin* , (2019). Encapsulation of triclosan within 2-hydroxypropyl- β -cyclodextrin cavity and its application in the chemisorption of rhodamine B dye,Journal of Molecular Liquids 282 (2019) 235–243, [Elsevier] (Impact Factor: 5.065).
51.	K. Sakthi Velu, J. Anandha Raj, P. Sathappan, B. Suganya Bharathi, S. Mohan Doss, S. Selvam, P. Manisankar and T. Stalin* ,(2019). Poly (ethylene glycol) stabilized synthesis of Inorganic Cesium lead iodide Polycrystalline light-absorber for Perovskite Solar Cell,

	Materials Letters, 240, (2019) 132-135. [Elsevier] (Impact Factor: 3.204).
50	B. Christin Maria Arputham Ashwin, G.Sivaraman, T. Stalin , R.Yuvakkumar, P. Muthu Mareeswaran, (2018) . Selective and sensitive fluorescent sensor for Pd ²⁺ using coumarin 460 for real-time and biological applications, Journal of Photochemistry and Photobiology B: Biology, 183 (2018) 302-308. [Elsevier] (Impact Factor: 3.165).
49.	B. Christin Maria Arputham Ashwin, C. Saravanan, T. Stalin ,Paulpandian Muthu Mareeswaran* and Seenivasan Rajagopal, (2018) . FRET based solid state luminescent sensor for glyphosate usingcalixarene grafted ruthenium(II)bipyridine doped silica nanoparticle, ChemPhysChem, ChemPhysChem, 19(20) (2018) 2768-2775. [WILEY-VCH], (Impact Factor: 2.947)
48.	K. Sakthi Velu, J. Anandha Raj, G. ParuthimalKalaigan and T. Stalin* , (2018) . Preparation and characterizations of PMMA-PVDF based polymer composite electrolyte materials for dye sensitized solar cell, Current Applied Physics, Current Applied Physics 18,(6) (2018) 619–625. [Elsevier] (Impact Factor: 2.116).
47.	S. Mohandoss, B. Suganya Bharathi, K. Sakthi Velu, V. Giri Babu, T. Stalin* , (2018) . Spectral and proton transfer behavior of 1, 4-dihydroxylantraquinone in aqueous and confined media; molecular modelling strategy, Journal of Molecular Liquids, 259, (2018) 186–198. [Elsevier] (Impact Factor: 4.513).
46.	M. Maniyazagan, R. Mariadasse, M. Nachiappan, J. Jeyakanthan, N. K. Lokanath, S. Naveen, G. Sivaraman, P. Muthuraja, P. Manisankar, T. Stalin* , (2018) . Synthesis of rhodamine based organic nanorods for efficient chemosensor probe for Al (III) ions and its biological applications, Sensors and Actuators B, 254, (2018) 795-804, [Elsevier] (Impact Factor: 6.393).
45.	A. Shanmuga Priya, Suganyabharathi Balakrishnan, Giri Babu Veerakanellore, T. Stalin* , (2018) . In-vitro dissolution rate and molecular docking studies of cabergoline drug with β-cyclodextrin, Journal of Molecular Structure, 1160 (2018) 1-8. [Elsevier],(Impact Factor: 2.120).
44.	R. Kavitha, T. Stalin* , (2017) . Dual emission and pH based naphthalimide derivative fluorescent sensor for the detection of Bi ³⁺ , Sensors and Actuators B, 247,(2017) 632-640. [Elsevier] (Impact Factor: 6.393).
43.	S. Mohandoss and T.Stalin* , (2017) . A new fluorescent PET sensor probe for Co ²⁺ ion detection: computational, logic device and living cell imaging applications, RSC Advances, 7(27) (2017) 16581-16593, [Royal Society of Chemistry] (Impact Factor: 3.108).
42.	S. Mohandoss and T.Stalin*, (2017) . Photochemical and computational studies of inclusion complexes between β-cyclodextrin and 1,2-dihydroxyanthraquinones, Photochemical &Photobiological Sciences, 16 (2017) 476-488. [Royal Society of Chemistry](Impact Factor: 2.344).
41.	M. Maniyazagan, C. Rameshwaran, R. Mariadass, J. Jeyakanthan, K. Premkumar and T. Stalin* , (2017) . Fluorescence Sensor for Hg ²⁺ and Fe ³⁺ ions using 3,3'-Dihydroxybenzidine:α-Cyclodextrin Supramolecular Complex: Characterization, <i>in-silico</i> and Cell Imaging Study, Sensors and Actuators B, 242 (2017) 1227-1238, [Elsevier] (Impact Factor: 6.393).

40.	M. Maniyazagan, R. Mariadasse, J. Jeyakanthan, N. K. Lokanath, S. Naveen, K. Premkumar, P. Muthuraja, P. Manisankar, T. Stalin *, (2017). Rhodamine based “turn-on” molecular switch FRET-sensor for cadmium and heavy metal ions and live cell imaging study, <i>Sensors and Actuators B</i> 238 (2017) 565–577, [Elsevier] (Impact Factor: 6.393).
39.	Bosco Christin Maria Arputham Ashwin, ArumugamVinothini, T. Stalin , Paulpandian Muthu Mareeswaran, (2017). Synthesis of a Safranin T- <i>p</i> -Sulfonatocalix[4]arene Complex by Means of Supramolecular Complexation, <i>Chemistry Select</i> [John Wiley & Sons, Inc.], 2 (3) (2017) 931–936. (Impact Factor: 1.716).
38.	S. Mohandoss, J. Sivakamavalli, B. Vaseeharan and T. Stalin *, (2016). Host-guest molecular recognition based fluorescence <i>On-Off-On</i> chemosensor for nanomolar level detection of Cu^{2+} and $\text{Cr}_2\text{O}_7^{2-}$ ions: application in XNOR logic gate and human lung cancer living cell imaging, <i>Sensors and Actuators B</i> 234 (2016) 300–315. [Elsevier] (Impact Factor: 6.393).
37.	K. Sivakumar, M. Parameswari and T. Stalin , (2016). Etodolac: β -cyclodextrin inclusion complex as a novel fluorescent chemosensor probe for Ba^{2+} , <i>Journal of Carbohydrate Chemistry</i> , 35 (2016) 118-130. [Taylor & Francis] (Impact Factor: 1.50).
36.	K. Sivakumar, T.R. Ragi, D. Prema, T. Stalin , (2016). Experimental and theoretical investigation on the structural characterization and orientation preferences of 2-hydroxy-1-naphthoic acid/ β -cyclodextrin host-guest inclusion complex, <i>Journal of Molecular Liquids</i> 218 (2016) 538–548. [Elsevier] (Impact Factor: 4.513).
35.	S. Mohandoss, J. Sivakamavalli, B. Vaseeharan and T. Stalin *, (2015). Fluorometric sensing of Pb^{2+} and CrO_4^{2-} ions through host-guest inclusion for human lung cancer live cell imaging, <i>RSC Advances</i> , 5 (2015) 101802, [Royal Society of Chemistry] (Impact Factor: 3.840).
34.	C. Menaka, P. Manisankar, T. Stalin *, (2015). Preparation and characterization of poly(o-anisidine) with the influence of surfactants on stainless steel by electrochemical polymerization as a counter electrode for dye-sensitized solar cells, <i>Journal of Applied Polymer Science</i> 132(31) (2015) 42310-17, [John Wiley & Sons, Inc.] (Impact Factor: 1.77).
33.	C. Menaka, P. Manisankar, T. Stalin *, (2015). In situ electrochemical synthesis of poly(o-anisidine) counter electrode for dye sensitized solar cell, <i>Journal of Applied Polymer Science</i> , 132(23) (2015) 42041-47, [John Wiley & Sons, Inc.] (Impact Factor: 1.77).
32.	S. Mohandoss, M. Maniyazagan and T. Stalin *, (2015). A highly selective dual mode detection of Fe^{3+} ion sensing based on 1,5-Dihydroxyanthraquinone in the presence of β -cyclodextrin, <i>Materials Science and Engineering C</i> , 48 (2015) 94–102. [Elsevier] (Impact Factor: 5.08).
31.	R. Kavitha and T. Stalin *, (2015). Naphthalenediols: A new class of novel fluorescent

	chemosensors for selective sensing of Cu^{2+} and Ni^{2+} in aqueous solution, Journal of Luminescence (2015) 313-321. [Elsevier] (Impact Factor: 2.961).
30.	M. Maniyazagan, S. Mohandoss, K. Sivakumar and T. Stalin* , (2014). N-phenyl-1-naphthylamine/ β -cyclodextrin inclusion complex as a new fluorescent probe for rapid and visual detection of Pd^{2+} , SpectrochimicaActa Part A: Molecular and Biomolecular Spectroscopy 133 (2014) 73–79. [Elsevier] (Impact Factor: 2.931).
29.	K. Srinivasan, K. Sivakumar, S. Radhakrishnan, T. Stalin* , (2014). 2, 6-dinitroaniline and β -cyclodextrin inclusion complex properties studied by different analytical methods, Carbohydrate Polymers 113 (2014) 577–587. [Elsevier] (Impact Factor: 4.568).
28.	K. Srinivasan and T. Stalin* ,(2014). Study of inclusion complex between 2,6-dinitrobenzoic acid and β -cyclodextrin by ^1H NMR, $2\text{D}^1\text{H}$ NMR (ROESY), FT-IR, XRD, SEM and photophysical methods, SpectrochimicaActa Part A, 130 (2014) 105–115. [Elsevier] (Impact Factor: 2.931).
27.	K. Srinivasan and T. Stalin* , (2014). Inclusion complexes of β -cyclodextrin-dinitrocompounds as UV absorber for ballpoint pen ink, SpectrochimicaActa Part A, 129 (2014) 551–564. [Elsevier] (Impact Factor: 2.931).
26.	T. Stalin* , K. Srinivasan, K. Sivakumar, S. Radhakrishnan, (2014). Preparation and characterizations of solid/aqueous phases inclusion complex of 2, 4-dinitroaniline with β -cyclodextrin, Carbohydrate Polymers, 107 (2014) 72–84. [Elsevier] (Impact Factor: 6.044).
25.	T. Stalin* , K. Srinivasan, K. Sivakumar, (2014). Study of the cyclodextrin and its complexation with 2,4-dinitrobenzoic acid through photophysical properties and 2D NMR spectroscopy, Journal of Molecular Structure, 1060 (2014) 239–250. [Elsevier] (Impact Factor: 2.120).
24.	R. Kavitha, T. Stalin* ,(2014). A highly selective chemosensor for colorimetric detection of Hg^{2+} and fluorescence detection of pH changes in aqueous solution, Journal of Luminescence, 149 (2014) 12–18. [Elsevier] (Impact Factor: 2.719).
23.	K. Srinivasan, T. Stalin* , (2014). Studies on inclusion complexes of 2,4-dinitrophenol, 2,4-dinitroaniline, 2,6-dinitroaniline and 2,4-dinitrobenzoic acid incorporated with β -cyclodextrin used for a novel UV absorber for ballpoint pen ink, Journal of Inclusion Phenomena and Macrocyclic Chemistry, 78(1) (2014) 337-350.[Springer] (Impact Factor: 1.488).
22.	K. Srinivasan, T. Stalin*, A. Shanmugapriya, K. Sivakumar, (2013). Spectroscopic and electrochemical studies on the interaction of an inclusion complex of β -cyclodextrin with 2,6-dinitrophenol in aqueous and solid phases, Journal of Molecular Structure, 1036 (2013) 494–504. [Elsevier] (Impact Factor:2.120).
21.	C. Menaka, K. SakthiVelu, P. Manisankar, T. Stalin* , (2013). Conductivity, structural

	and electrochemical behaviour of plasticized polymer electrolytes for dye-sensitised solar cell, Indian Journal of Chemistry, 52A (2013) 467-472. (Impact Factor: 0. 851) .
20.	K. Paramasivaganesh, K. Srinivasan, A. Manivel, S. Anandan, K. Sivakumar, S. Radhakrishnan, T. Stalin* , (2013). Studies on inclusion complexation between 4,4-dihydroxybiphenyl and β -cyclodextrin by experimental and theoretical approach, Journal of Molecular Structure 1048 (2013) 399–409. [Elsevier] (Impact Factor: 2.120) .
19.	A. ShanmugaPriya, J. Sivakamavalli, B. Vaseeharan, T. Stalin* , (2013). Improvement on dissolution rate of inclusion complex of Rifabutin drug with β -cyclodextrin, International Journal of Biological Macromolecules 62 (2013) 472– 480. [Elsevier] (Impact Factor: 3. 016) .
18.	S. Mohandoss, T. Stalin* , (2013). Study on inclusion complex behaviours of L-Tyrosine and β -Cyclodextrin by Cyclic Voltammetric technique using Glassy carbon electrode, International Journal of Advanced Research, 1(5) (2013) 381-396. (Impact Factor: 5.336) .
17.	K. Sivakumar, G. Hemalatha, M. Parameswari, T. Stalin , (2013). Spectral, electrochemical and docking studies of 5-indanol: β -CD inclusion complex, Physics and Chemistry of Liquids: An International Journal, 51:5, (2013) 567-585. [Taylor & Francis] (Impact Factor: 0.813) .
16.	K. Sivakumar, V. Bhakyajothi, M. Parameswari, D. Prema, T. Stalin ,(2013). Spectral Studies on the Supramolecular Assembly of 1H ₂ NA: β -CD Complex and its Analytical Application as Chemosensor for the Selective Sensing of Cr ³⁺ , Polycyclic Aromatic Compounds, 33:3 (2013) 221-235. [Taylor & Francis] (Impact Factor: 1.044) .
15.	V. Rajasekharan, T. Stalin , S. Viswanathan, P. Manisankar, (2013). Electrochemical Evaluation of Anticorrosive Performance of Organic Acid Doped Polyaniline Based Coatings, Int. J. Electrochem. Sci., 8 (2013) 11327-11336.[Electrochemical Science Group] (Impact Factor: 1.50) .
14.	K. Srinivasan, T. Stalin* , (2012). Sorption onto insoluble β -cyclodextrin polymer for 2,4-dinitrophenol, Journal of Inclusion Phenomena and Macrocyclic Chemistry 73(2012) 321–328[Springer] (Impact Factor: 1. 488) .
13.	K. Srinivasan, T. Stalin* , K. Sivakumar, (2012). Spectral and electrochemical study of host–guest inclusion complex between 2,4-dinitrophenol and β -cyclodextrin, SpectrochimicaActa Part A, 94 (2012) 89–100.[Elsevier] (Impact Facto: 2.931) .
12.	K. Srinivasan, K. Kayalvizhi, K. Sivakumar, T. Stalin* , (2011). Study of inclusion complex of β -Cyclodextrin and Diphenylamine; Photophysical and Electrochemical behaviours, Spectrochimica. Acta Sec A, 79 (2011)169–178. [Elsevier] (Impact Factor: 2.931) .

11.	K Srinivasan, J. Vaheethabanu, P. Manisankar, T. Stalin* , (2011). Study of inclusion complex of β -Cyclodextrin and Ortho-Anisidine; Photophysical and Electrochemical behaviours, Journal of Molecular Structure, 987 (2011)214-224. [Elsevier] (Impact Factor: 2.120).
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07.	T. Stalin , B. Shanthi, P. Vasanth Rani, N. Rajendiran, (2006). Solvatochromism, Prototropism and complexation of para-aminobenzoic acid, Journal of Inclusion Phenomena and Macrocyclic Chemistry, 55(2006) 21–29. [Springer] (Impact Factor: 1.488).
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04.	T. Stalin , G. Sivakumar, A. Sekar, B. Shanthi, N. Rajendiran, (2006). A study on inclusion complex of 1,2,3-trihydroxybenzene with α - and β -Cyclodextrin, Indian J. Chem., 45 (2006) 1113. (Impact Factor: 0. 851).
03.	T. Stalin , N. Rajendiran, (2005). Effects of solvent, pH and β -Cyclodextrin on the photophysical properties of 4-hydroxy-3,5-dimethoxybenzaldehyde: intramolecular charge transfer associated with hydrogen bonding effect, Spectrochimica. Acta Sec A, 61(2005) 3087–3096. [Elsevier] (Impact Factor: 2.931).
02.	T. Stalin , K. Sivakumar, N. Rajendiran, (2005). Dual fluorescence of diphenyl carbazide and benzanilide: Effect of solvents and pH on electronic spectra, Spectrochimica. Acta Sec A, 62 (2005) 991–999. [Elsevier] (Impact Factor: 2.931).
01.	T. Stalin , R. Anitha Devi, N. Rajendiran, (2005). Spectral characteristics of <i>ortho</i> , <i>meta</i> and <i>para</i> dihydroxy benzenes in different solvents, pH and β -Cyclodextrin,

PAPER PRESENTED IN CONFERENCES

Overseas International Conferences

1. **T. Stalin***, Electrospun poly (methyl methacrylate) decorated Titanium dioxide, reduced graphene oxide composite nanofiber for dye and perovskite sensitized solar cell applications, Poster presentation at International Conference on Solid State Devices and Materials (SSDM-2019) during **2nd to 5th September 2019 at Nagoya University, Japan.**
2. **T. Stalin***, Study on β -Cyclodextrin/Naphthols inclusion complexes and their applications for the detection of Cd^{2+} and Ni^{2+} , Poster presentation at **Gordon Research Conference-Photochemistry, July 23-28, 2017, Bates college, Lewiston, Maine 04240, USA.**

INVITED TALKS PRESENTED AT CONFERENCES

Invited Lecture

9.	International webinar on “Innovative Technology in Chemistry”, March 02 nd 2021, Department of Chemistry, Sengamala thayaar educational trust women's college, Mannargudi - 614016, Tamil Nadu.
8.	National webinar on “Photochemistry and its applications towards the development of solar cells” July 24 th 2020, Department of Chemistry, Nehru Memorial College, Puthanampatti, Trichy, Tamil Nadu.
7.	Felicitation Address - TNSCST, DOTE, Chennai Sponsered programme on “ Application of Science and Technology for rural areas for Farmers and Self-help group Women”, Febraury 11 th 2019, Sree Sevugan Annamalai College, Devakottai- 630303, Tamil Nadu, INDIA.
6.	State level Seminar on “Recent Trends in Chemistry”, September 28 th 2018, Fatima College, Madurai - 625001, Tamil Nadu.
5.	National seminar on “Periodic Table of Chemical Elements(NSPTCE), November 8 th 2019, Department of Chemistry, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya University (SCSVMV), Kanchipuram, Tamil Nadu.
4.	National seminar on “Contemporary applications in nuclear science & technology” (CANST-16), February 4 th 2016, Department of Chemistry of Dhanalakshmi Srinivasan College of Arts & Science for Women, Perambalur, Tamilnadu, India.
3.	Department of Chemistry, JJ College Of Arts and Science, Pudukkottai, Tamilnadu, India. Title: Photochemistry and their uses, on Feb-2016.
2.	Chemstar club activity- Department of Chemistry, Cauvery College for Women, Tiruchirappalli, Tamilnadu, India, on 10.09.2015.
1.	One day Seminar on “Current research scenario on supramolecular chemistry” organized by Department of Chemistry, Ananda college, Devakottai, Tamilnadu, India, on 25.02.2015.

National Conferences (2009 onwards to till date)

75.	K. Sakthi Velu, B. SuganyaBharathi' G. Vigneshkumar' S. Esakkimuthu, J. Anandha Raj, S. Mohandoss, K. Selvam, GolapKalita and T. Stalin *, Electrospun poly (methyl methacrylate) decorated with Titanium di-oxide, Reduced graphene oxide (rGO) composite nanofiber for dye and perovskite sensitized solar cell applications, 6th International Conference on Nanoscience and Nanotechnology (ICONN-2021) held at SRMIST, Chennai during February 1-3, 2021.
74.	EsakkimuthuShanmugasundaram and Stalin Thambusamy* ,Fabrication of polyaniline/polyvinyl alcohol based Flexible photoanode materials for organic solar cell by Electrospinning and Electropolymerization Approaches, National workshop on “Advanced Nanomaterials for Sustainable Energy and Sensor Applications (AN-SEA),Alagappa University- Karaikudi on 4-6th March 2020.
73.	N.Vimalasruthi and T.Stalin* , Enhanced thermal stability of Caffeic acid (CA) by cyclodextrin (CD) inclusion complex with CA encapsulating Polyvinyl alcohol (PVA) electrospun nanofibers, International conference on Frontiers in chemical and material sciences (ICFCMS -2020), Organized by The gandhigram rural institute, Dindigul, during on 24-25 th , February 2020.
72.	Vigneshkumar Ganesan, Sathya M, Stalin Thambusamy* , Spectroscopic Investigation of the inclusion complex between 3-Hydroxy 2- naphthoic acid (HNA) and Cyclodextrin, workshop entitled “Advanced Nanomaterials for Sustainable Energy and Sensor Applications” (ANSEA 2020), Organized by School of Physical and Chemical Sciences, Alagappa University, Karaikudi, Tamilnadu, during 4 th – 6 th March, 2020.
71.	B. Suganya Bharathi and T. Stalin* ,Electrospun alumina/PVP nanofibrous mats for combined antibacterial and antioxidant applications. International Conference on Frontier Areas in Chemical Technologies – 2019 (FACTs–2019) held on 25 & 26 th , July 2019 in the Department of Industrial Chemistry, Alagappa University, Karaikudi, Tamilnadu, India.
70.	S.Esakkimuthu, B. Suganyabharathi, T. Stalin* ,Electrospun Nanofibers for Improving Antibacterial and Antioxidant Activity: The Combination of PMMA/ α -CD with Vitamin B3, International conference on “Frontier Areas in Chemical Technologies – 2019 (FACTs - 2019)” on 25&26th July 2019.
69.	N.Vimalasruthi and T. Stalin* , Spectral study of excited state proton transfer process of 2-naphthol; α -cyclodextrin in inclusion complex and methyl tri methyl ammonium bromide, International Conference on Frontier Areas in Chemical Technologies – 2019 (FACTs–2019) held on 25 & 26th, July 2019 in the Department of Industrial Chemistry, Alagappa University, Karaikudi, Tamilnadu, India.
68.	Sakthi VeluKuppu, Suganyabharathi Balakrishnan, Mohan Doss Sonaimuthu, Yong Rok Lee, Anandha Raj Jeyaraman, Selvam Samayanan, ManisankarParamasivam, and Stalin Thambusamy* ,Developments of photo-anode materials for Perovskite solar cell

	using methylammonium lead iodide and titanium dioxide nanofiber, International Conference on Sustainable Environment And Energy ICSEE-2019, 21 & 22 nd 2019, Hindustan Institute of Technology and Science, Padur, Chennai. India.
67.	K. Sakthi Velu, P. Sathappan, B. Suganya Bharathi, G.Vigneshkumar, S. Mohan Doss, S. Selvam, J. Ananda Raj, P. Manisankar, G. ParuthimalKalaigan and Stalin Thambusamy* , Poly (ethylene glycol) assisted synthesis of Inorganic Cesium lead iodide Polycrystalline light-absorber for Planar Perovskite Solar Cell, 21-23 July 2018, Madurai Kamaraj University, Madurai, Tamilnadu.
66.	B. Suganyabharathi and T. Stalin* ,Fabrication of biocompatible glucosamine encapsulated PVDF nanofibrous Scaffolds for the improved performance in In Vitro biological applications, International conference on Advanced functional materials for Energy, Environment and Biomedical Applications,11-12 Dec 2017, Madurai Kamaraj University, Madurai, Tamilnadu.
65.	B. Suganyabharathi and T. Stalin* ,PVA/ β -CD functionalized electrospun silver nanofibers for In Vitro biological evaluation, International conference on Frontier Areas in Chemical Technoligies (FACTs- 2017) 6-8 July 2017, Alagappa University, Karaikudi Tamilnadu.
64.	B. Suganyabharathi and T. Stalin* ,In Vitro Antioxidant Activity of Riboflavin Encapsulated Sodium Alginate Hydrogel for Biomedical Applications, <i>International Conference on Chemical and Environmental Research (ICCER-2017)</i> PG and Research Department of Chemistry, Jamal Mohamed College, Tiruchirapalli, Tamilnadu, on 7 th January 2017.
63.	G. Sathya, B. Suganyabharathi and T. Stalin* ,Design and Performance of a Riboflavin-Alginate Hydrogel beads for In Vitro Anti-Oxidant Activity, <i>Frontier Areas in Chemical Technologies (FACTs-2016)</i> , Department of Industrial Chemistry, Alagappa University, Karaikudi, Tamilnadu-630003, on 21-23 March, 2016.
62.	B. Suganyabharathi and T. Stalin* ,Preparation of Pyridoxine/ Cu_2O Nanocubes and their antimicrobial activity, <i>Frontier Areas in Chemical Technologies (FACTs-2016)</i> , Department of Industrial Chemistry, Alagappa university, Karaikudi, Tamilnadu-630003, on 21-23 March, 2016.
61.	B. Suganyabharathi and T. Stalin* ,Preparation and characterizations of Solid Inclusion complexes between 2-Methoxy pyridine-5-boronic acid and β -Cyclodextrin by host-guest approach, <i>International Conference on Chemical and Environmental Research (ICCER-2016)</i> PG and Research Department of Chemistry, Jamal Mohamed College, Tiruchirapalli, Tamilnadu, on
60.	B. Suganyabharathi and T. Stalin* ,Preparation and Characterization of ElectrospunPMMA:SilverNanofiberMats, <i>International Conference on Nanomaterials for Energy, Environment, Catalysis and Sensors (ICNEECS-15)</i> held at Department of Physical Chemistry, Madurai Kamaraj University, Madurai, Tamilnadu-625021, on 11-12 December, 2015.

59.	S. Mohandoss and T. Stalin* , Inclusion complex of 1,8-Dihydroxyanthraquinone with β -cyclodextrin: Spectral and molecular modeling studies, " <i>Frontier Areas in Chemical Technologies</i> " (<i>FACTs-2016</i> , held at Department of Industrial Chemistry, Alagappa University, Karaikudi, on March 21-23, 2016.
58.	B. Suganyabharathi, M. Mohana and T. Stalin* , Preparation and characterizations of the solid inclusion complexes of 3-aminopyrazine-2-carboxylic acid and 6-phenylpyridine-2-carboxylic acid with β -Cyclodextrin and their Antimicrobial activity, <i>National Seminar on Recent Trends in Organic Synthesis and Chemical Biology (RTSB-2015)</i> , held at Department of Chemistry, Annamalai University, Chidambaram, Tamilnad. on 9-10 October, 2015.
57.	K. Sakthi Velu, P. Manisankar and T. Stalin* , Electrospun preparation of carbon nanofiber based counter electrode materials for high cost Gold and Silver replaced hole transparent materials free perovskite solar cell application, <i>National Seminar on Recent Trends in Organic Synthesis and Chemical Biology (RTSB-2015)</i> , held at Department of Chemistry, Annamalai University, Chidambaram, Tamilnad. on 9-10 October, 2015.
56.	M. Maniyazagan, and T. Stalin [*] , FRET based fluorescent probe for the detection of Al^{3+} and S^{2-} : Photophysical, crystal structure, <i>in silico</i> and live cell imaging studies, <i>National Seminar on Recent Trends in Organic Synthesis and Chemical Biology (RTSB-2015)</i> , held at Department of Chemistry, Annamalai University, Chidambaram, Tamilnad. on 9-10 October, 2015.
55.	M. Maniyazagan and T. Stalin* , Studies of the Inclusion complex between 8-Hydroxyquinoline and Cyclodextrins and its Chemosensor application, <i>National Symposium on Radiation and Photochemistry (NSRP)</i> , held at Department of Chemistry, IIT Kanpur, Kanpur-208 016, on March 9-11, 2015.
54.	M. Maniyazagan and T. Stalin* , A Study on Photophysical behavior of Triclosan/Hydroxypropyl- β -Cyclodextrin Supramolecular Inclusion complexes and their Antibacterial activity, <i>National Symposium on Radiation and Photochemistry (NSRP)</i> , held at Department of Chemistry, IIT Kanpur, Kanpur-208 016, on March 9-11, 2015.
53.	S. Mohandoss and T. Stalin* , Spectral Investigation of Host-Guest inclusion complexes between β -cyclodextrin and 1-Aminoanthraquinone, <i>National Symposium on Radiation and Photochemistry (NSRP)</i> , held at Department of Chemistry, IIT Kanpur, Kanpur-208 016, on March 9-11, 2015.
52.	M. Maniyazagan and T. Stalin* , Preparation and characterization of Rhodamine derivative and their chemosensor applications, <i>National Seminar on Frontier Areas in Chemical Technologies – 2015, FACTs – 2015</i> , held at <i>Department of Industrial Chemistry, Alagappa University, Alagappa University, Karaikudi, Tamilnadu, on March 6 – 7, 2015.</i>
51.	S. Mohandoss and T. Stalin* , Host-guest inclusion complex between β -cyclodextrin and Quinizarin: A semi empirical approach, <i>National Seminar on Frontier Areas in Chemical Technologies – 2015, FACTs – 2015</i> , held at <i>Department of Industrial Chemistry, Alagappa University, Alagappa University, Karaikudi, Tamilnadu, on March 6 – 7, 2015.</i>
50.	K. Sakthi Velu, C. Meneka, S. Angaiar Kanni and T. Stalin* , Dye sensitized solar cell using efficiency enhancement Poly acrylonitrile (PAN)- SiO_2 based composite gel

	electrolytes, National Seminar on <i>Frontier Areas in Chemical Technologies – 2015, FACTs – 2015</i> , held at <i>Department of Industrial Chemistry, Alagappa University, Alagappa University, Karaikudi, Tamilnadu</i> , on March 6 – 7, 2015.
49.	B. Suganyabharathi, M. Maniyazhagan and T. Stalin* , Rhodamine based fluorescent chemosensor for the Sensing of Al^{3+} ion, National Seminar on <i>Frontier Areas in Chemical Technologies – 2015, FACTs – 2015</i> , held at <i>Department of Industrial Chemistry, Alagappa University, Alagappa University, Karaikudi, Tamilnadu</i> , on March 6 – 7, 2015.
48.	C. Menaka, P. Manisankar and T. Stalin* , Preparation and Characterization of Poly (o-Anisidine) with the Influence of Surfactants on Stainless steel by Electrochemical Polymerization as a Counter electrode for Dye-Sensitized Solar Cells, National Seminar on <i>Frontier Areas in Chemical Technologies – 2015, FACTs – 2015</i> , held at <i>Department of Industrial Chemistry, Alagappa University, Alagappa University, Karaikudi, Tamilnadu</i> , on March 6 – 7, 2015.
47.	M. Mohana, M. Maniyazhagan and T. Stalin* , Rhodamine based chemosensor probe for the detection of Cu^{2+} ion, National Seminar on <i>Frontier Areas in Chemical Technologies – 2015, FACTs – 2015</i> , held at <i>Department of Industrial Chemistry, Alagappa University, Alagappa University, Karaikudi, Tamilnadu</i> , on March 6 – 7, 2015.
46.	A. Subbulakshmi, G. Vanitha, S. Mohandoss and T. Stalin* , Electroanalytical method for the determination of chryszazin using the β -cyclodextrin and polyvinylpyrrolidone modified electrode in the presence of ascorbic acid and uric acid, National Seminar on <i>Frontier Areas in Chemical Technologies – 2015, FACTs – 2015</i> , held at <i>Department of Industrial Chemistry, Alagappa University, Alagappa University, Karaikudi, Tamilnadu</i> , on March 6 – 7, 2015.
45.	G. Vanitha, A. Subbulakshmi, S. Mohandoss and T. Stalin* , Electrocatalytic voltammetric determination of chryszazin employing β -cyclodextrin / Multiwalled carbon nanotube in the presence of ascorbic acid and uric acid, National Seminar on <i>Frontier Areas in Chemical Technologies – 2015, FACTs – 2015</i> , held at <i>Department of Industrial Chemistry, Alagappa University, Alagappa University, Karaikudi, Tamilnadu</i> , on March 6 – 7, 2015.
44.	S. Angaiarkanni, K. Sakthi Velu, C. Menaka and T. Stalin* , Preparation and characterization of PVDF- Al_2O_3 based composite gel electrolyte for high efficiency dye sensitized solar cell application, National Seminar on <i>Frontier Areas in Chemical Technologies – 2015, FACTs – 2015</i> , held at <i>Department of Industrial Chemistry, Alagappa University, Alagappa University, Karaikudi, Tamilnadu</i> , on March 6 – 7, 2015.
43.	K. Srinivasan, T. Stalin* , Spectral and electrochemical studies on Host-Guest Inclusion complex between 2,4-Dinitrobenzoic acid and β -Cyclodextrin, <i>International Conference on Recent Advances in Textile and Electrochemical Sciences</i> , held at Dept. of Industrial Chemistry, Alagappa University, Karaikudi, Tamilnadu, March 21-23, 2013.
42.	R. Kavitha and T. Stalin* , Host-Guest Interactions between 3-Hydroxy-2-Naphthoic Acid and β -Cyclodextrin in Aqueous and Solid Phases Studied By Spectroscopic Methods, <i>International Conference on Recent Advances in Textile and Electrochemical Sciences</i> , held at Dept. of Industrial Chemistry, Alagappa University, Karaikudi, Tamilnadu, March 21-23, 2013.
41.	S. Mohandoss and T. Stalin* , Investigation Of Host-Guest Inclusion Complexation Between β -Cyclodextrin And Alizarin By Spectroscopic And Electrochemical Methods,

	<i>International Conference on Recent Advances in Textile and Electrochemical Sciences</i> , held at Dept. of Industrial Chemistry, Alagappa University, Karaikudi, Tamilnadu, March 21-23, 2013.
40.	A. Shanmugapriya and T. Stalin* , Inclusion complexation of Lomustine Drug with β -Cyclodextrin: Solubility and <i>In vitro</i> Dissolution Studies, <i>International Conference on Recent Advances in Textile and Electrochemical Sciences</i> , held at Dept. of Industrial Chemistry, Alagappa University, Karaikudi, Tamilnadu, March 21-23, 2013.
39.	K. Sakthivelu, C. Menaka and T. Stalin* , Poly(Vinilidene fluoride) - Poly(Ethylene Oxide) Blended Conducting Polymer as Gel Polymer Electrolyte for Dye-Sensitized Solar Cells, <i>International Conference on Recent Advances in Textile and Electrochemical Sciences</i> , held at Dept. of Industrial Chemistry, Alagappa University, Karaikudi, Tamilnadu, March 21-23, 2013.
38.	S. Mohandoss, D. Sindhu and T. Stalin* , Enhanced the Solubility and Salvation Behavior of Poorly Soluble Anthrurufin Assist with β -Cyclodextrin, <i>International Conference on Recent Advances in Textile and Electrochemical Sciences</i> , held at Dept. of Industrial Chemistry, Alagappa University, Karaikudi, Tamilnadu, March 21-23, 2013.
37.	M. Maniyazagan and T. Stalin* , Study on Host-Guest Inclusion Complexation between N-Phenyl-1-Naphthylamine and β -Cyclodextrin by Spectroscopic Methods, <i>International Conference on Recent Advances in Textile and Electrochemical Sciences</i> , held at Dept. of Industrial Chemistry, Alagappa University, Karaikudi, Tamilnadu, March 21-23, 2013.
36.	S. Mohandoss, S. Karpakavalli and T. Stalin* , Study on Solubility Enhancement of 1-Aminoanthraquinone and β -Cyclodextrin Complexation, <i>International Conference on Recent Advances in Textile and Electrochemical Sciences</i> , held at Dept. of Industrial Chemistry, Alagappa University, Karaikudi, Tamilnadu, March 21-23, 2013.
35.	S. Mohandoss and T. Stalin* , Supramolecular inclusion complex interaction studies between L-histidine and β -cyclodextrin by Electrochemical and Spectrophotometric techniques. " <i>Advanced Materials</i> " (NCAM-2013) held at School of Basic Engineering and Sciences, PSN College of Engineering and Technology, Thirunelveli on January 23 – 25, 2013. ISBN: 978-93-82062-86-8.
34.	K. Sakthivelu, T. Stalin* , Effect of various concentration of iodide/ tri iodide redox couple for poly (ethylene oxide) based plasticized polymer electrolytes, <i>Recent Advances in Textile and Electrochemical Sciences-2012</i> , held at Dept. of Industrial Chemistry, Alagappa University, Karaikudi, Tamilnadu, on March 22&23, 2012.
33.	C. Menaka, T. Stalin* , Preparation and characterization of PMMA/MWCNT based counter electrode for DSSC, <i>Recent Advances in Textile and Electrochemical Sciences-2012</i> , held at Dept. of Industrial Chemistry, Alagappa University, Karaikudi, Tamilnadu, on March 22&23, 2012.
32.	C. Menaka, T. Stalin* , Comparison study of solid polymer electrolyte for dye sensitised solar cell, <i>Recent Advances in Textile and Electrochemical Sciences-2012</i> , held at Dept. of Industrial Chemistry, Alagappa University, Karaikudi, Tamilnadu, on March 22&23, 2012.
31.	K. Paramasivaganesh, T. Stalin* , Spectral and electrochemical characteristics of dihydroxybiphenyl: effects of solvents, acid–base concentrations, preparation and characterization of solid complex with β -cyclodextrin and its inclusion effects, <i>Recent</i>

	<i>Advances in Textile and Electrochemical Sciences-2012</i> , held at Dept. of Industrial Chemistry, Alagappa University, Karaikudi, Tamilnadu, on March 22&23, 2012.
30.	K. Sathya, K.Sakthivelu, T. Stalin* , Preparation and characterization of PMMA/MWCNT based counter electrode for DSSC, <i>Recent Advances in Textile and Electrochemical Sciences-2012</i> , held at Dept. of Industrial Chemistry, Alagappa University, Karaikudi, Tamilnadu, on March 22&23, 2012.
29.	S. Mohandoss and T. Stalin* , A cyclic voltammetric study of inclusion complex behavior for L-Tyrosine with β -Cyclodextrin and Surfactants using Glassy carbon electrode, " <i>International Conference on Vistas Chemistry</i> " (ICVC 2011) held at Indra Gandhi for Atomic Research, Kalpakkam on October 11-13, 2011.
28.	S. Mohandoss and T. Stalin* , Electrochemical behaviors of inclusion complex between L-Tyrosine and β -Cyclodextrin using Glassy carbon electrode, " <i>National Seminar on Recent Trends in Chemical Sciences: Frontiers and Challenges</i> " held Department of Chemistry, University of Kerala, Kariavottom Campus, Thiruvananthapuram on 25 th & 26 th August 2011.
27.	K. Srinivasan, T. Stalin* , 2,4-Dinitrophenol Sorption on β -Cyclodextrin polymer, " <i>National Seminar on Recent Trends in Chemical Sciences: Frontiers and Challenges</i> " held Department of Chemistry, University of Kerala, Kariavottom Campus, Thiruvananthapuram on 25 th & 26 th August 2011.
26.	S. Mohandoss and T. Stalin* , Study on the multirecognition mechanism of supramolecular interaction in the Pyrogallol and β -cyclodextrin with respect Triton X-100 concentrations by electronic spectroscopy, " <i>National Conference on Recent Trends in Green Synthesis</i> " held at Dept. of Ind. Chemistry, Alagappa University, Karaikudi, Tamilnadu on 5 th & 6 th August 2011.
25.	S. Mohandoss and T. Stalin* , Host-Guest interaction of L-Histidine with β -cyclodextrin, " <i>National Conference on Recent Trends in Green Synthesis</i> " held at Dept. of Ind. Chemistry, Alagappa University, Karaikudi, Tamilnadu on 5 th & 6 th August 2011.
24.	K. Srinivasan, T. Stalin* , Photoelectrochemical study of inclusion complex between 2, 4-dinitrophenol and β -cyclodextrin, " <i>National Conference on Recent Trends in Green Synthesis</i> " held at Dept. of Ind. Chemistry, Alagappa University, Karaikudi, Tamilnadu on 5 th & 6 th August 2011.
23.	C. Menaka, P. Manisankar and T. Stalin* , Preparation and characterization of Gel Polymer electrolyte based on potassium Iodide salt for Dye-sensitised solar cell, " <i>National Conference on Recent Trends in Green Synthesis</i> " held at Dept. of Ind. Chemistry, Alagappa University, Karaikudi, Tamilnadu on 5 th & 6 th August 2011.
22.	K. Paramasivaganesh, and T. Stalin* , Spectral and Electrochemical investigations of inclusion complex of Dihydroxybiphenyl with β -cyclodextrin, " <i>National Conference on Recent Trends in Green Synthesis</i> " held at Dept. of Ind. Chemistry, Alagappa University, Karaikudi, Tamilnadu on 5 th & 6 th August 2011.
21.	R. Kavitha and T. Stalin* , Spectral and Photoelectrochemical studies of inclusion complex of β -Naphthol and β -Cyclodextrin, " <i>National Conference on Recent Trends in Green Synthesis</i> " held at Dept. of Ind. Chemistry, Alagappa University, Karaikudi, Tamilnadu on 5 th & 6 th August 2011.
20.	C. Menaka, P. Manisankar and T. Stalin* , A study on the supramolecular structure of inclusion complex of β -cyclodextrin with 4-hydroxycoumarin, " <i>National Conference on Recent Trends in Green Synthesis</i> " held at Dept. of Ind. Chemistry, Alagappa

	University, Karaikudi, Tamilnadu on 5 th & 6 th August 2011.
19.	S. Mohandoss and T. Stalin* , Spectral and photophysical properties of β -Cyclodextrin with pyrogallol inclusion complex, "National Seminar on Emerging Trends in Chemistry" Department of Chemistry, V.H.N.S.N. College, Virudhunagar on July 28-29, 2011.
18.	S. Mohandoss and T. Stalin* , Study on the photoelectrochemical recognition mechanism of supramolecular interaction in the L-Tyrosine/ β -Cyclodextrin/Triton X-100, National Seminar on Novel Synthetic and Computational Strategies in Chemical Sciences" held at Department of Chemistry, Annamalai University, Annamalainagar on March 28-29, 2011.
17.	S. Mohandoss and T. Stalin* , Intramolecular charge transfer associated with hydrogen bonding effects on L-Tyrosine; Photophysical Spectral studies International Conference on Advanced Materials and its Applications" held at Department of Physics & Department of Chemistry, Kalasalingam University, Srivilliputtur on March 4-5, 2011.
16.	C. Menaka, P. Manisankarand T. Stalin* , Electropolymerised polyaniline as counter electrode for low cost dye sensitised solar Cells, International Conference and Workshop on New Materials and Devices for photovoltaic Applications (ICWNMDP), Dept. of Chemistry, Madurai Kamaraj University, Madurai on February, 10-12, 2011.
15.	S.Mohandoss and T. Stalin* , Spectroscopic properties of β -Cyclodextrin with 4-Dimethylaminopyridine inclusion complex, "International Conference on Supramolecular Chemistry and Nanomaterials" held at Department of Chemistry University of Mumbai, Mumbai on February 14 -16, 2011.
14.	C. Menaka, P. Manisankarand T. Stalin* , Low cost carbon based counter electrode in Dye sensitised solar cells, "National Conference on Green Energy for Sustainable Development, held at Loyola Institute of Frontier Energy (LIFE), Loyola College, Chennai, Tamil Nadu, India, on January, 7 th and 8 th 2011.
13.	S.Mohandoss and T.Stalin , Intramolecular charge transfer associated with hydrogen bonding effects on L-Tyrosine; Photophysical Spectral studies, "Advanced Materials and Applications" (ICAMA-2011) held at Department of Physics & Department of Chemistry, Kalasalingam University, Srivilliputtur on March 4 - 5, 2011.
12.	S. Mohandoss and T. Stalin* , Enhanced Host-guest photoelectrochemical recognition of L-Glutamic acid using Cyclodextrin in the presence of carbon nanotubes" National seminar on emerging research trends in basic sciences held at Dept. of Science & Humanities, SCSVMV University, Kanchipuram on 19 th March-2010.
11.	C. Menaka, P. Manisankarand T. Stalin* , Coumarin derivatives as a sensitizers in the dye sensitized TiO ₂ solar cells, National Level Seminar on NSNFC- held at Dept. of Chemistry, Annamalai University, Annamalai nagar, Tamilnadu on 15 th & 16 th March 2010.
10.	K. Srinivasan, T. Stalin* , Biosensor based on the cyclodextrin as electrode modifiers in the presence of carbon nanotubes" National Level Seminar on NSNFC- held at Dept. of Chemistry, Annamalai University, Annamalai nagar, Tamilnadu on 15 th & 16 th March 2010.
9.	K. Srinivasan, T. Stalin* , Host-Guest Photophysical and electrochemical recognition of Diphenylamine Using Cyclodextrin in the presence of Carbon Nanotube" National Level Seminar on RATES 2009- held at Dept. of Ind. Chemistry, Alagappa University, Karaikudi, Tamilnadu on 4 th & 5 th Dec 2009.

8.	K. Srinivasan, T. Stalin* , Inclusion complex between 4-minoazobenzene with β -Cyclodextrin: Photophysical behavior, National Level Seminar on RATES 2009- held at Dept. of Ind. Chemistry, Alagappa University, Karaikudi, Tamilnadu on 4 th & 5 th Dec 2009.
7.	K. Srinivasan, T. Stalin* , Stability and characterization of Amino acids in presence of pH medium by Spectrophotometer methods, TamilakaarivialPeravai 9 th conference, held at Alagappa University, Karaikudi, Tamilnadu on 11-13, Sep- 2009.
6.	T. Stalin et.al.,Enhanced Host-guest photoelectrochemical recognition of L-Glutamic acid using Cyclodextrin in the presence of carbon nanotubes” National seminar on emerging research trends in basic sciences held at Dept. of Science & Humanities, SCSVMV University, Kanchipuram on 19 th March-2010.
5.	T. Stalin et.al.,Coumarin derivatives as a sensitizers in the dye sensitized TiO ₂ solar cells-National Level Seminar on NSNFC- held at Dept. of Chemistry, Annamalai University, Annamalai nagar, Tamilnadu on 15 th & 16 th March 2010.
4.	T. Stalin et.al.,Biosensor based on the cyclodextrin as electrode modifiers in the presence of carbon nanotubes” National Level Seminar on NSNFC- held at Dept. of Chemistry,Annamalai University, Annamalai nagar, Tamilnadu on 15 th & 16 th March 2010.
3.	T. Stalin et.al.,Host-Guest Photophysical and electrochemical recognition of Diphenylamine Using Cyclodextrin in the presence of Carbon Nanotube” National Level Seminar on RATES2009- held at Dept. of Ind. Chemistry, Alagappa University, Karaikudi, Tamilnadu on 4 th & 5 th Dec 2009.
2.	T. Stalin et.al.,Inclusion complex between 4-minoazobenzene with β -Cyclodextrin: Photophysical behavior, National Level Seminar on RATES2009- held at Dept. of Ind. Chemistry, Alagappa University, Karaikudi, Tamilnadu on 4 th & 5 th Dec 2009.
1.	T. Stalin et.al.,Stability and characterization of Amino acids in presence of pH medium by Spectrophotometer methods, TamilakaarivialPeravai 9 th conference, held at Alagappa University, Karaikudi, Tamilnadu on 11-13, Sep- 2009.

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Seminar/ other event organized:

7.	Nobel Excellence Talks - ACT NExT: Nobel Prize in Chemistry, on March 13 th 2020, (Organizing secretary).
6.	International Seminar on Frontier Areas in Chemical Technologies – 2019 (FACTs-2019), July25 - 26, 2019, (Organizing secretary).
5.	National Seminar on Frontier Areas in Chemical Technologies – 2018(FACTs-2018),March 21 - 22, 2018, (Co-Organizing secretary).
4.	International Seminar on Frontier Areas in Chemical Technologies – 2016 (FACTs-2016), March 21 - 23, 2016, (Joint secretary).
3.	National Seminar on Frontier Areas in Chemical Technologies – 2015(FACTs-2015), March 6 - 7, 2015, (Organizing secretary).
2.	National seminar on Recent Advances in Textile and Electrochemical Sciences, Alagappa University (RATES-2012), 22 and 23, March-2012, (Convener).
1.	National seminar on Recent Advances in Textile and Electrochemical Sciences, Alagappa

	University (RATES-2009), 4 and 5, Dec-2009, <i>(Co-convener)</i> .
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Board of Studies (BoS) Memeber

❖	Department of Industrial Chemistry, Alagappa University, Karaikudi- 630 003, Tamilnadu, India.
❖	Department of Chemistry, Sengamala thayaar educational trust women's college, Mannargudi - 614016, Tamil Nadu. (2021)
❖	Department of Chemistry of Dhanalakshmi Srinivasan College of Arts & Science for Women, Perambalur, Tamilnadu, India. (2020)
❖	Department of Chemistry, Periyar E.V.R College, Tiruchirapalli- 620023. (2019)

Assessment Committee, External/Internal Academic Audit Memeber

❖	Judge role in the “National Science day” Oral and poster presentation Competition, Council Of Scientific And Industrial Research–Central Electro Chemical Research Institute (CSIR–CECRI), Karaikudi-630003, Tamil Nadu.
❖	Academic Audit Memeber - Department of Chemistry, Periyar E.V.R College, Tiruchirapalli- 620023. (2019)
❖	Member of Assessment - CSIR-Senior Research Fellow for extension of fellowship for 5 th year, Council Of Scientific And Industrial Research–Central Electro Chemical Research Institute (CSIR–CECRI), Karaikudi-630003, Tamil Nadu.

REFERENCE

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