

# Magazine Department of Chemistry

C. Kandaswami Naidu  
College for Men Chennai-102

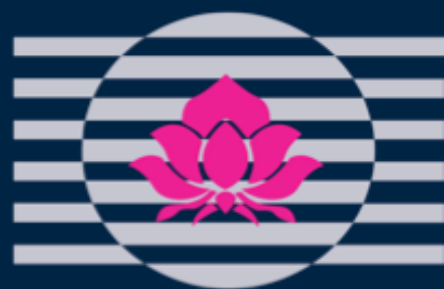
## Annual Report

Department of  
Chemistry  
Students,  
Teaching,  
Non teaching

**ANNUAL REPORT**

**ACADEMIC YEAR**

**2018-19.**





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## Department Teaching Staff Profile



**Dr. S. Hariharan, M.Sc., Ph.D.,**  
Assistant Professor and Head

Dr. S. Hariharan completed his Philosophy of Doctorate in Heterogeneous catalysis under the Guidance of Prof. Dr. M. Palanichamy (Retd.) at Anna University. In January 2014 designated as Assistant Professor of Chemistry. Since June of 2019 he took Headship responsibility in Chemistry Department.



**Dr. G. Thennarasu, M.Sc., Ph.D.,**  
Assistant Professor of Chemistry

Dr. G. Thennarasu completed his Philosophy of Doctorate in Photocatalyst under the Guidance of Prof. Dr. A. Sivaswamy at Central Leather Institute (CLRI). Since February 2016 he was designated as Assistant Professor of Chemistry. During may of 2019 he took additional responsibility as placement cell coordinator.



**Dr. P. Vinayagamorthy, M.Sc., M.Phil., Ph.D.,**  
Assistant Professor of Chemistry

Dr. P. Vinayagamorthy completed his Philosophy of Doctorate in Nano material synthesis under the Guidance of Prof. Dr. C. Karunakaran at Annamalai University. During February 2016 he was designated as Assistant Professor of Chemistry. He is being National Service Scheme (NSS) officer since July 2017.



**Dr. N. Angayarkanni, M.Sc., M.Phil., Ph.D.,**  
Assistant Professor (Guest Lecturer)

Dr. N. Angayarkanni, awarded Philosophy of Doctorate in Electrochemistry under the Guidance of Prof. A. Subramaniya at Azhagappa University, Karaikudi. She worked in Vel Tech University of Engineering and Technology, Avadi, later joined in our Chemistry Department as Assistant Professor (Guest Lecturer) from July 2017.



**Dr. S. Jothivel, M.Sc., M.Phil., Ph.D.,**  
Assistant Professor (Guest Lecturer)

Dr. S. Jothivel completed his Philosophy of Doctorate in Organic Synthesis under the Guidance of Prof. Dr. S. Kabilan at Annamalai University. He worked in Vel's University, School of Arts and Science, Pallavaram. Since June 2019 he designated as Assistant Professor (Guest Lecturer) in Chemistry Department.



**Mr. P. Manikandan, M.Sc., M.Phil., M.Ed.,**  
Assistant Professor (Guest Lecturer)

Mr. P. Manikandan completed his M.Sc., Chemistry at Gurunanak College, Chennai later he pursued M.Phil., Degree at Presidency College, Chennai. He designated as Assistant Professor (Guest Lecturer) in our Chemistry Department since 2017 May.



**Miss. K. Deepa, M.Sc., M.Phil.,**  
Assistant Professor (Guest Lecturer)

Miss K. Deepa completed M.Phil., Degree in Presidency College, Chennai, later she joined Ph.D., in the same institute. She worked in Meenakshi college for Women, Chennai. She is working as Assistant Professor (Guest Lecturer) in our Department from June 2019. She submitted Ph.D., thesis and waiting for viva voce.



**Dr. S. Indumathi, M.Sc., Ph.D.,**  
Assistant Professor of Zoology

Dr. S. Indumathi awarded Philosophy of Doctorate in Environmental Biology and Biodiversity (Life Science) under the Guidance of Prof. Dr. R. Ramanibai at University of Madras, Guindy campus. Since May 2014 she designated as Assistant Professor of Zoology. She was actively played placement cell coordinator between 2014 May and 2018 May.

## Department Non Teaching Staff Profile



**Mr. A. Sakthi**

Lab Assistant of Chemistry

Mr. A. Sakthi designated as Lab Assistant in our Chemistry Department since November 2013 and he elected as TANSAC association office bearer during May 2015.



**Mrs. R. Divya, B.Sc., M.B.A.,**

Lab Assistant of Chemistry

Mrs. R. Divya is B.Sc., Graduate holder in zoology. She appointed as Lab Assistant in September 2014. Since 2018 December, she been Chemistry Lab Assistant in our Department.



**Mr. G. Sateesh**

Chemical store keeper

Mr. G. Sateesh was appointed as Chemical Store Keeper in our Department since November 2013 and he been part of office bearer in TANSAC association science May 2016.

# Department Staff Committee

## Department Students Disciplinary Committee

Convener

Dr. S. Hariharan, M.Sc., Ph.D.,

Staff Coordinators

Dr. G. Thennarasu, M.Sc., Ph.D.,

Dr. P. Vinayagamorthy, M.Sc., M.Phil., Ph.D.,

Dr. S. Indumathi, M.Sc., Ph.D.,

Dr. S. Jothivel, M.Sc., M.Phil., Ph.D.,

## Department Staff Redressed committee

ExChief Advisory Committee

Dr. P. Murugakoothan, M.Sc., M.Phil., Ph.D., CY. Ed., FASc.,

Convener

Dr. S. Hariharan, M.Sc., Ph.D.,

Advisory Committee

Dr. G. Thennarasu, M.Sc., Ph.D.,

Dr. P. Vinayagamorthy, M.Sc., M.Phil., Ph.D.,

External Special Invitee

Dr. S. Indumathi, M.Sc., Ph.D.,

## Department Association Committee

Convener

Dr. S. Indumathi, M.Sc., Ph.D.,

Association Frame work Designer

Dr. P. Vinayagamorthy, M.Sc., M.Phil., Ph.D.,

Organizing Committee

Dr. S. Jothivel, M.Sc., M. Phil., Ph.D.,

Miss. K. Deepa, M.Sc., M.Phil.,

Mr. P. Manikandan, M.Sc., M.Phil., M.Ed.,

Dr. N. Angayarkannai, M.Sc., M.Phil., Ph.D.,



## History of the Chemistry Department

Our Honorable founder Shri Conda-varu Kandaswami Naidu's of one of his property at Anna Nagar bequeathed therein the unit of Pachaiyappa's Charities directing by the board of Trustee up-keep maintaining and development of the property thereby own founder name. The Pachaiyappa's Trust board that endowed property intention to fulfill the wishes of testator for the purpose of public utility. Dr. A. Venugopal, M.S, F.R.C.S was the president of trust board utilized an endowment of trust funds for the educational purpose thereby C. Kandaswami Naidu College for Men at Anna Nagar East was started in the year of 1967.

By the time course offered, our institute inaugurated first foundation undergraduate course of B.A Economics was started in 1971-72 with 20 students. Years later, Physics and Chemistry additional courses of science branch tie-up with arts started in the academic year of 1979-80. Since 1980, our B.Sc., undergraduate Chemistry course successfully stand across nearly four decades with many of eminent guided as Principal, HOD's, faculties and non-teaching staff's by their hard work, genuineness and dedication. One of our Department eminent professor Dr. R. S. Ragavan, M.Sc., Ph.D., (USA), C. Chem., F.R.C.S. (Lond.), F.I.C (Ind.), F.I.C.S, who have been served as Principal nearly eight years for C. Kandaswami Naidu College in the academic year between 1987 and 1995, and nearly four years served as principal in Pachaiyappa's College for Men, Chennai (1995-1999). The senior most Prof. S. Dhamodran, M.Sc., M.Phil., was maintaining our B. Sc, Course decorum

nearly 25 Years as a Department Head. Lab assistant Mr. Husain (2016 July) retired after completion of senior most in service nearly 35 years. As a young HOD's list, Dr. S. Hariharan, M.Sc., Ph.D., taken responsibility in 2019 May to lead the Department in a disciplinary manner after the retirement of Associate Prof. Dr. V. Chandrasekaran, M.Sc., Ph.D., Who had secured reputed fame in our institution.

Student strength is the power of the Department says we were admitted thirty two candidates in 2014 have been managed with four regular staff and two guest lecturers that was raised fifty candidates in the regulation of 2017 onwards. Presently, the Department of chemistry have 136 candidates in the offered B.Sc., Chemistry course and we have nearly fifty mathematics and fifty physics allied students. In addition to that we also offered special allied zoology course exclusively for life science students pursuing their undergraduate in chemical science. Our passed out candidates Mr. S. Jillan, Mr. Cheralathan and Mr. Nishanth were successfully completed their post graduation M.Sc., course at Anna University in 2018, therein following two more candidates Mr. Sathish kumar and Mr. Akash were joined M.Sc., applied chemistry in the same institute (2019 June). Moreover three more students were pursuing their post graduation in M.G.R Janaki College. We have state level player Mr. Jafrine in weight lift and national level judo player Mr. J. Hariharan admitted under sports quota in chemistry. With all these merits our dignified faculties were encouraging and supporting students in academics, placement cell, NSS and NCC of external activities.

## Student's in academic involvement 2018-19

With our department staff's strong supports, past two years we successfully trained few candidates to pursue their post graduation in Anna University and M.G.R Janaki College, Chennai. Our pass out candidates Mr. Nishanth, Mr. Cheralathan and Mr. S. Jillan completed their M.Sc., Applied Chemistry in April 2018 and this year (2019) Mr. Sathish kumar and Mr. S. Akash pursuing first year M.Sc., in chemistry, Anna University, Chennai. In addition to that two more of our candidates Mr. Suyambu lingam and Mr. Yokesh are pursuing their M.Sc., in M.G.R. Janaki Arts and Science college. Since 2017, we are supporting our students to participate science events by poster presenting in standard institutions that initiations could motivate our students Mr. S. Jillan and Mr. Akash successfully completed their higher studies in Anna University.



Passout candidates Mr. Nishanth and Mr. Cheralathan along with Dr. V. Chandrasekaran on his retirement



Passout candidate Mr. S. Jillan met professor M. Palanichamy at Anna University who have Guided Department Head Dr. S. Hariharan

We proudly said that our students Mr. S. Akash, Mr. Arasumani and Mr. Vanamoorthy Lingam Who have received third place title winner in poster presentation that was conducted by Anna University in 2018.



Passout candidate Mr. B. Akash received award from Prof. Kannan in poster presentation in Hall of 1960, Anna University (March 2018)

Since 2017, the department of chemistry tied up with Tamilnadu Science Forum (TNSF) society conducting the popular science lecturer programs at Anna Centenary Building. Ultimate aim of this program has promoting their advanced scientific knowledge by conducting eminent scientist lecturers in recent advancement in modern scientific society.



Students at Anna centenary auditorium attended TNSF science talk along with Dr. S. Indhumathi



Students attended SSN College Tamil science conference

Even our first year candidates attended their national science conference (Tamil) was conducted in SSN College of arts and science giving one more source to updating their science skills interact with the eminent scientists who were presented there.

## Department Nonacademic activities (2018-2019)

Our student's activity, progressions and achievements in academics, sports, social and other external talents are considering the wealth of our academic achievements. Our faculties always took special care about students not only in academics but also encouraging non curriculum activities in social events include National Service Scheme (NSS), National cadet corps (NCC) and Placement Cell for job opportunities.



Dr P. Vinayagamoorthy and his team lead NSS campaign



Students cleaning in rural areas

In February of 2018, our department faculty Dr. P. Vinayagamoorthy (NSS Coordinator) was successfully organized NSS campaigning at Thiruvallur district and they were served cleaning work in schools, rural areas and online filling voter ID card issues to the township people.

Many job opportunities has been successfully placed with our own department staff coordinators Dr. S. Indumathi and Dr. G. Thennarasu, who's taken special responsibility in placement cell to conduct various campus interviews benefited around five hundred students.



Apart from non academic events our department students routinely participated and prize winners in other inter college competitions.



Final Year student Mr. Rangeesh decorating department

Our second year candidate Mr. Dinnesh kumar got selected in MRDC candidate in NCC activity.



Currently, one of our final year student Mr. S. Rangeesh awarded first prize in rangoli inter college competition was conducted in Gurunanak college Chennai



Mr. Jafrine, third year student won medal in state level boxing championship programme held on 2018 October.



Our student self interested planting coconut tree in our campus with the help of principal support in December 2019.

## Staff academic involvement 2018-19

In Chemistry Department, we have seven academic teaching staff's, one allied faculty and three non teaching staff's to take special care for the student's. Staff academic career advancement is strength of the Department says our staffs were updating their knowledge by attending and presenting in conferences, visiting audit to other institutes and personal contributions in social activity and students skill events etc., Our staff Dr. P. Vinayagamoorthy visited as auditing faculty member (2018 Nov) in Sri Vivekanandha college, mylapore and he attended many academic conferences. SRM Institute of Arts and Science, Ramapuram, Chennai conducted one day national conference on 12<sup>th</sup> September 2019 and our Department faculty Miss. K. Deepa reported data in oral presentation.



Faculty Dr. P. Vinayagamoorthy poster presented in SRM, Ramapuram conference



Dr. S. Indumathi Presenting in Soka Ikeda college of Arts and Science



Faculty Miss. K. Deepa orally presented in Ramapuram SRM Institute conference

In 2018, our allied faculty Dr. S. Indumathi holding judge responsibility and guest speaker on one day awareness program was conducted in soka Ikeda College for arts and science, Chennai. Chemistry department staffs Dr. S. Hariharan, Dr. P. Vinayagamoorthy and Dr. S. Indumathi were assigned as judge place of duty in the "District level Science Exhibition" conducted by Educational Department, Govt. of Tamilnadu at St. Theresa Girls Hr. Sec. School, Pallavaram on October 2019.



Dr. P. Vinayagamorthy honoring in District level science exhibition

sonally care for arranging candidates to participate walkathon programme invited from the University of Madras on December 2019.



Curriculum base on revised syllabus meet in Anna Adharsh college



Dr. G. Thennarasu, Dr. P. Vinayagamorthy as Judges in Science programme

**D**r G. Thennarasu and Dr. P.Vinayagamorthy visited as Judges in 27<sup>th</sup> National childrens science congress was conducted in November 2019. Our college media coordinators Dr. S. Indumathi and Dr. P. Vinayagamorthy under guidance selected students were jointly with News 7 channel (Anbu Palam project) carried out traffic awareness program (November 2019) at Anna Nagar round circle and it was telecast aforementioned news channel. Our department NSS coordinator Dr. P. Vinayagamorthy was per-

**O**ne day workshop on revised syllabus council meet was held (December 2019) in Anna Adarsh College, Chennai, Dr. S. Hariharan being one among their with other institute Head's and delivered valuable suggestions after consulting with his department staff members.



Dr. N. Angayarkanni demonstrating lab experiment

**I**n addition to that we provided special day accommodation of lab class allotment for shift-II chemistry students. Both first and second year students were utilized the lab hours provision on its permitted days.

## Academic Events 2018-19

Since June 2019 the Department of Chemistry planned to motivate students academically by conducting quiz, science related drawing and speech competitions. We unity with our staff coordinate the integral activity of Department association meet entitled “Chemzy 2k19” is planned to organize in every upcoming year. Our ultimate aim of those key initiates improving our student’s hope and inner ability thus explore themselves to perform and serve their talents in modern future society, such activities have been successfully attempted with our department staff coordination. For that primary task we conducted “Chem-Quiz 2019” on 5<sup>th</sup> September in presence of principal with external chief guest Dr. S. Gokulraj, Assistant Professor of Physics and Dr. S. Hariharan, Assistant Professor and Head of chemistry acted as internal examiner. At the end program, Dr. S. Gokulraj personally financial contributes to our winner’s team in the sense of motivating candidates.



Dr. S. Hariharan along with shift II staff and students



Mr. A. Sakthi and Mrs. R. Divya (Lab Assistants) arranging inorganic salts



Mr. G. Sateesh (Chemical Store incharge) recording stock entry

Our lab assistants Mr. A. Sakthi and Mrs. R. Divya are highly active people in solution making and lab decorum maintaining, and we have store keeper Mr. G. Sateesh who always favoring for students in terms of laboratory note book issues, lab coat purchasing and assisting department extra works in addition of chemical storage maintenance.



Dr. P. Vinayagamoorthy and Dr. S. Indumathi arranging Quiz event



Principal and Dr. S. Gokulraj (Physics) encouraging quiz winners team



Principal revealing story behind every scientist

Secondly, we conducted drawing competition entitled “Famous scientist and their inventions” on September 25<sup>th</sup>, nearly twenty students were participated. For the selection of drawing competition, we invited external examiner Dr. C. Sampath, Assistant Professor and Head of Telugu, and Internal Examiner Dr. P. Vinayagamorthy from own department staff on the art competition schedule recommended by assigned association committee Dr. G. Thennarasu and Dr. S. Indhumathi. The Chemzy sci Art competition was held in chemistry laboratory.



Examiner Dr. C. Sampath and Department staff evaluating in Art competition



Principal inaugurating Chemzy Sci Art 19



Candidate posting art work





Principal inaugurating along with internal judges Dr. S. Jothivel and Ms. K. Deepa



Inviting principal for Department speech competition



Third year student Mr. Rangeesh Presenting in speech competition

For the purpose of student personality enrichment we conducted speech competition event entitled “The role of chemistry in science development: Past, Present and future” on 19<sup>th</sup> of December. Our staff coordinators Dr. S. Jothivel and Ms. K. Deepa who have been successfully carried out the programme within our intra department level competition.



Students viewing speech competition



End of the program staff along with participants

## Department Commemorative Activities 2018-19

We proudly framing our Chemistry Department continuous lively acts through various events organized from the past academic year. Our staffs uniquely play many remembrance activities in various occasions include curriculum event organizing, participating and maintaining the decorum of institute as well as department programme. Every year our institute was celebrating tamizhar festival “Pongal” that shows cultural unity and traditional congregation improving their strong relationship between staffs and student coordination.



Pongal celebration on January 2017



Pongal celebration on January 2018

Since 2016 our beloved Professor Dr. V. Chandrasekaran (Retired) was engaging our staff unity on this traditional occasion, which is beginning of the following other academic activities throughout the academic year.



Department staff encouraging students

Our Department staff Dr. P. Vinayagamoorthy, NSS officer associated with other NSS coordinators presenting annual progress report, during the academic year 2017-18.



NSS Officer Dr. P. Vinayagamoorthy and his team members

March 2019, we honoring two Associate professors Dr. A. Srinivasan (Principal in-charge) and Dr. V. Chandrasekaran (Head of Chemistry) on their felicitation function.



Mr. P. Manikandan on Dr. V. Chandrasekarn felicitation event

Advent of Principal Dr. P. Murugakoothan took in-charge on May 2019, our Department staff Mr. A. Sakthi honoring and welcome on behalf of TANSAC association unit.



Mr. A. Sakthi honoring arrival of new Principal

On 31st of May 2019, the board of Pachaiyappa's Secretary Ms. M. Arachelvi honoring our retired professors Dr. A. Srinivasan and Dr. V. Chandrasekaran, on the same occasion Principal issued Department Headship to Dr. S. Hariharan.



The Board of Pachaiyappa's secretary and Administrative's honoring Dr. V. Chandrasekaran on his felicitation

Before relieving from the institution, our beloved former Head Dr. V. Chandrasekaran wholeheartedly blessed and handed over official key in-charges to Dr. S. Hariharan, Who took responsibility of new headship.



Dr. V. Chandrasekarn (Retd.,) Blessing

As per the workload slot Pachaiyappa's trust board provided two guest lecturers to our chemistry department that was selection basis on the performance of interview conducted on June 16<sup>th</sup> of 2019 in presence of principal, college committee members and concern department Head's and the selected candidates Dr. S. Jothivel and Ms. K. Deepa selection order copy was issued.



Dr. S. Hariharan interviewing Guest Lecturer along with officials



Guest Lecturer Selection order copy issued to Dr. S. Jothivel

After vacation the college induction program was conducted on June 18<sup>th</sup> of 2019, principal and concern department Heads welcome students on very first day of college reopen.

The spiritual respects in academic all department staff members and students voluntarily involved in cleaning, decorating and food sharing for the celebration of “Vijaya Dasami pooja” was conducted on 4th October 2019.



Student on pooja decoration



Dr. S. Hariharan welcoming students

A week later on June 21<sup>st</sup> college induction programme for all first year candidates was conducted along with their parent’s assembly and the fame of concern department was established.



Dr. N. Angayarkanni prayer on saraswathi pooja



Principal wishing our staff



Department Heads welcoming first years



Principal with our Department staff on end of Pooja

## Department Staff Unity

The working environment of our department has thought to be second family because of our staff coordination and unity not only in our department activity but also in the family occasions. We proudly present some of our remarkable memories apart from academic activities which highlights our Department integrity. In 2018 (March), our staff and students gathered to congrats Mr. Manikandan, teaching staff on his marriage occasion.



Students on Mr. P. Manikandan marriage

On the same year of August Dr. S. Hariharan family's baby shower function not only in chemistry but all department staff were blessed him and also happily attended baby boy first year birthday celebration. Dr. P. Sekar (Ex Principal) and Dr. P. Sumathi (Mathematics HOD) expressed their best wishes in 2019.



Dr. G. Sivagami, HOD of Tamil on Dr. S. Hariharan's family baby shower function



Mr. A. Sakthi and Mr. G. Satheesh gifting on Dr. S. Hariharan son first birthday

Moreover, we happily celebrate our department staff's birthday. In mid of December Department staff's were wishing Dr. G. Thennarasu.



Dr. Thennarasu Birthday Celebration

Such remarkable sweet memories maintains our Department unity in healthy and strong manner.

We promise to continue our contributions in much more remarkable way to promote our Department and to excel students in both academic and extracurricular activities.

## Acknowledgement

We, Department of Chemistry staff's members express our sincere gratitude to Pachaiyappa's Trust Board Administrator and other officials for their constant encouragement and favoring support for the institution. We thank our beloved Principal Dr. P. Murugakoothan, who always offering backbone support to Department financial assist, students and staff encouragements and our academic developments. We thank our college committee members for their contributing moral supports. We were grateful to Shift-I college superintendent for his tremendous support of our Department Association events. We thank all Teaching and Non Teaching staffs for their invaluable cooperation. Finally, we thank students for their outstanding performances.



Dr. S. Hariharan., M.Sc., Ph.D.,  
Assistant Professor & Head  
Department of Chemistry  
C. Kandaswamy Naidu College for Men  
Chennai - 600 102

(On Behalf of Department staff members)