Department of Chemistry SRM Institute of Science and Technology Kattankulathur – 603203, Tamil Nadu.

Report

2nd SRM Crystal Growing Challenge and Quiz Contest 2023

(07 October, 2023)



Figure: The banner of the program.

Registration form

Name of the School / College: Address: -----Name of the Student:

Section: -----

Name of the Teacher In-charge:

Contact details:

Sir/madam

The undersigned is pleased to nominate the above mentioned students to participate in the Science competition for School students organized by Department of Chemistry,

Signature of the principal with seal Date: -----

Online registration:

https://docs.google.com /forms/d/e/1FAIpQLScS MARjV2PamSZiAOyawd 5tTDRJkN6V8WaF4gL1a kCJU2T1Hg/viewform?u sp=sharing



- Dr. C. Muthamizhchelvan, Vice Chancellor, SRMIST Dr. S. Ponnusamy, Registrar, SRMIST Dr. T. V. Gopal, Dean, CET, SRMIST Dr. A. Duraisamy, Dean, CSH, SRMIST Dr. D. John Thiruvadigal, Chairperson, SAS, SRMIST Dr. B. Neppolian, Dean, Research, SRMIST

SRM

2nd SRM Crystal **Growing Challenge**

07 October 2023



Organized by

DEPARTMENT OF CHEMISTRY

SRM Institute of Science and Technology Kattankulathur, 603203, Tamil Nadu.



Figure: The brochure of the programme, which was circulated for inviting various institutions.

The 2nd edition of SRM Crystal Growing Challenge was conducted by the Department of Chemistry, SRMIST, Kattankulathur, to out-reach the high school (11th and 12th) students from the neighbourhood. The programme was also combined with a quiz contest to make it more attractive. The programme was intended to attract potential students' community, and get to know and explore more about the campus and opportunities offered by SRMIST. There was no registration fee to participate in this programme. Transport facilities, refreshment and lunch were provided to all the participants and accompanying teachers.

Faculty members from the Department of Chemistry, SRMIST, who acted as the organising committee members for the programme, personally visited many schools to invite them. Also, they have taken initiative to explain the science and arts of crystal growth, and answered the queries raised by the teachers and students during their venture of crystal growths. 292 students from 26 different schools registered online via google link provided to them. 252 students appeared and participated from 25 different high schools on the day. The name list of participating schools and their students are appended below. This year, we received overwhelming responses from students – compared to about 100 participants from 9 schools, we have hosted 252 students from 25 different schools and accompanying teachers.

In the morning, registration started at 8:30 am. Students in a team of four members, displayed beautiful crystals of various commonly available chemicals (thorough guidelines were shared with the participants well in advance), grown by themselves at their home institutions, at the ground floor lobby at the University building. Innovative ideas of showcasing their crystals by the participants was

commendable. The exhibition remained open for all to explore until 12:45 pm. Respected **Prof. A. Duraisamy**, Dean FS&H, **Dr. S. Albert Anthony Raj**, Deputy Dean FS&H and **Dr. V. Thirumurugan**, Associate director, campus-life, SRMIST were the dignitaries who graced the occasion of exhibition. All of them interacted with the young participants actively. We hope that the young students have been motivated and inspired by the valuable interaction with the dignitaries. A group of five-member judges – **Dr. Samarendra Maji**, Res. Assoc. Prof., **Dr. Palash Sanphui**, Asst. Prof., **Dr. Susnata Pramanik**, Asst. Prof., **Dr. Tanay Kundu**, Asst. Prof. and **Dr. Goutam Kumar Kole**, Asst. Prof., inspected the quality of the crystals, and interacted with the participants. Based on their evaluation, **five teams** (5 x 4 = 20 students) were selected for prizes.

Award for	Name of the School	Name of the students
Crystal Growth		
1 st	Sitadevi Garodia Hindu Vidyala	Rudra Devi, Shreesha S., Shakti
	Matriculation Higher Secondary School	Sudarshan S., S. Santosh
2 nd (joint)	Kendriya Vidyalaya No. 1, AFS,	Niranjana, Rishith, Basundhara
	Tambaram	Jena, Janani.
2 nd (joint)	Sree Gokulam Public School	S. Vanathi, Hrithika S., Elsa Justin,
		G. Subhashini
3 rd (joint)	Annai Violet Matriculation Higher	S. Yalini, S. Prathyush Haran,
	Secondary School	Pooja S., S. Anusha Veeramani
3 rd (joint)	St. John's Matriculation Higher	Janani S., Afsa Fathima, Vishal N.,
	Secondary School	S. S. Hemanth Kumar

For quiz contest, a written test was conducted to reach a final list of following 10 schools.

1. Velammal Vidalaya, Ayanambakkam. 2. Zion International Public School. 3. Light Workers Academy. 4. JRK Global School. 5. Annai Violet Mat. Hr. Sec. School. 6. Loyola Academy CBSE School. 7. Sree Gokulam Public School. 8. Alwin International Public School. 9. Kendriya Vidyalaya (Team 1) AFS. 10. Alwin Memorial Public School.

After the lunch break, the quiz contest started at Room no. UB 1114. A team of four students form each represented their schools. Other participants remained as the audience. **Dr. T. Pushpa Malini**, Asst. Prof., acted as the quiz-master, and **Dr. Gopal Chandru Senadi**, Res. Asst. Prof., **Dr. Tumpa Sadhukhan**, Res. Asst. Prof., **Dr. Abhijit Saha**, Asst. Prof., and **Dr. Rajendra Kumar Konidena** Res. Asst. Prof. helped her in the process. Some questions were reserved only for the audience to keep up them active. Chocolates were given as a token of appreciation to the students from the audience for giving correct answers. Based on the scores in the question-answer session, **five teams** were selected for award.

Award for Quiz	Name of the School
1 st	Light Workers Academy
2 nd	Zion International Public School
3 rd	Alwin International Public School
4 th	Sree Gokulam Public School
5 th	Loyola Academy CBSE School

Prof. T. V. Gopal, Dean, CET, and **Prof. M. Vairamani**, Dean, School of Bioengineering, graced the occasion of valedictory and prize distribution function at 3 pm. Both the Deans addressed the audience and enlightened them about the importance of crystals in scientific research. Dean, CET interacted with the students with zeal to motivate them. A few representative students and fellow teachers were called upon stage to share their experience. All the winners in both events were awarded with a memento and a 'certificate of recognition'. All other participants were given a 'participation certificate'. The programme ended at 4 pm. Faculty members took responsibility of sending off the participants and accompanying teachers by SRM buses. Some glimpses of various events of the programme and representative copies of the certificates are provided herewith for reference.

Under the leadership of HoD, Chemistry (also Convener), **Dr. Goutam Kumar Kole**, Asst. Prof. lead the arrangement of the events, prepared the certificates and banners for the programme. **Dr. Jayanta Samanta**, Res. Asst. Prof. and **Dr. S. Vadivel**, Res. Asst. Prof. helped in the registration and certificates writing processes. **Dr. J. Arockia Selvi**, Assoc. Prof., **Dr. B. Natarajan**, Asst. Prof., and **Dr. D. Paradesi**, Asst. Prof. helped the organising team in various ways. Several **Research Scholars** voluntarily worked hard and helped the organising committee members in various ways. The programme was well-received by the participants and accompanying teachers of various schools. We feel that the programme was a great success!

Prof. M. Arthanareeswari, Head and Convener

Co-conveners

Dr. Goutam Kumar Kole, Asst. Prof.

Dr. T. Pushpa Malini, Asst. Prof.

Dr. R. Kalaivizhi, Assoc. Prof.

Dr. Venkatramaiah Nutalapati, Res. Assoc. Prof.

Dr. Samarendra Maji, Res. Assoc. Prof.

Dr. M.Ganesh Pandian, Assoc. Prof.

Dr. A. John Bosco, Asst. Prof.

Dr. Gopal Chandru Senadi, Res. Asst, Prof.

Coordinators

Dr. Abhijit Saha, Asst, Prof.

Dr. Dipankar Das, Asst, Prof.

Dr. Rahul Narayanan, Res. Asst. Prof.

Dr. Tumpa Sadhukhan, Res. Asst. Prof.

Dr. S. Vadivel, Res. Asst. Prof.

Dr. Avijit Baidya, Res. Asst. Prof.

Dr. Jayanta Samanta, Res. Asst. Prof.

Dr. Rajendra K. Konidena, Res. Asst. Prof

Table: List of participating Schools and names of the students.

S. No	School Names	Student Names
1	Alpha Matric Higher Secondary School, Sembakkam	Saranraj. S, J. Sophia Sharon, Melwin Raj, Monisha, R. Pavaneethan, M. Sanchida, Lega. S, Maria Jemimah. N, R. MITHILESH, Atchaya C, Samihah. S, Varsha Rajapandian, Nithika Ramasamy, Smrithi. M, Mohammed Suhail, Charumithra, R. Parameshwar, S. Gracia Sharon, NEIL DANIEL. A, P. Michelle Sephora, Freddy Matthew, M. Oviya, P. Shobhana
2	Alwin International Public School, Padappai	Kamalesh Paramadayalan, Jashwanth Suresh, Fritwin Reo, Guru Shankar Karikalan, A.R Akilan, Arjun Thakku Kumarakannan, Anto Allwan Savio, Punit Muthu Ravikumar, Richard Allen Doss, Kailash Krishnamoorthy, Keswan Kedrick Martin Selvaraj, Eben Victor Dani, Vitor Kalyana Sundaram, Navin Kumar PG, Vijay B, Abilash, Deivasigamani, Mohith Kumar Janakiraman, Vignesh Tawker, Kripashnkar, Saatvik Joshua, Amirdeswaran Thirukonda Karthick, Thileepan
3	Alwin Memorial Public School, Selaiyur	Sai Sowmya V, Amrita Rani V, Mahalakshmi M, Samuel John Dhinakaran
4	Annai Violet Matriculation and High School, Chitlapakkam	Joy Elizabeth, YALINI S, Sanjana. S, Anusha Veeramani, Pooja. S, P. Sanjay, Dhirthika. S, YALINI S, S. Prathyush Haran
5	Arignar Anna Govt. Hr Sec School, Poonamallee	Shaik Hazeem A, Manikandan, Riches A, Karthikeyan M, Dushyanth B
6	Bharathiyar Matric Higher Secondary School, Guduvanchery	Azim Fathima, Uthra, Jeevithan xII A, Jagannath K, Rithika, Kalaivani K, Sathish, Sai Sanjay B, Supraja, Krithika, Nandhitha, Vaishnavi S, Priyanka M, Sakthivel C, Vel Arjun T S, Deeveka G, Nameera Parveen A, Durgai Lakshmi P, Harini G, V Kavitha
7	Gurukulam Matric Higher Secondary School, West Tambaram	Atchaya P, Neelu Farnaz A, Pranavi S, Safana Yasmin S, Harish Ragavendra S, Priyan M, Ranjith M, Surendhar K. H.

8	Holy Angels Matric Higher	Shyam Samuel A, Ayisha Siddiqa A, Nivedha S,
	Secondary School, Korattur	Mohammed Yazzer K, Gowtham K, Gowtham K, Mohammed Faizil S, Caroline Jenifer L, Deerthika J, Oviya M E
9	JRK Global Senior Secondary School, Kattankulathur	Monica A, Pavithra C, Abinaya J, Monisha S, Deepika V, Rethanya S, S Monisha, Monika Varshini B, Anamika P P, Yuvasri R, M.S.Kaviya, Meghana Yadav N, S Dakshitha, Deva Dharshini, Arunikaa. T. J, Sushmitha. S, Jai sakthi Shri. K, Shuvetha Jovi. A, Aadhira. A
10	Kendriya Vidyalaya No-1, AFS. Tambaram	Manjari, Niranjana, Rishith, Sudharshan, Pragyashri, Pavna Kabira, Priya Varshini, Advait.S, Niranjan, Srinikethan, Shashank, S. Vishwa, Basundhara Jena, Janani. R. A, L. Sree Sanmati, Radhika
11	Loyola Academy CBSE School, Vadamelpakkam	Kishore Kumar, Samundeeswari. S, INFANT, Naresh. G, Mathiyazhagan. M, Yogeshwar. T.D, BALAJI.K, Adithiya. K, M. Nivas, Subashree. U, Subashree. U, G. Monika, Aron Daniel M, Aron Daniel M, Buvanesh. M, Mummaneni Chethana, Jebarish Kumar, Eu. Divyesh, T. Jeeva
12	Ramakrishna Mission Vidyalaya Matric Higher Secondary School, Chengalpattu	Manju dharshini S, Abimanonmani. PL, Dhivya Dharshini. P, Mahwish wafa, Srivedha K, Sathiyapriya V, Pooja. M. D.
13	St. Johns Matric Higher Secondary School	S. Shanmuga Priyan, Kriya S, Jonika Shanu, Rakshaya V, Loshini.B, Janani S, Asfa Fathima. N, S K Tanish, Vishaal. Tn, Madhumitha.S
14	Shi Natesan Vidyasala Matric Higher Secondary School, Mannivakkam	Logeshwaran K, Praviksha K, Varshini S, Vijayan V, Santhosh M, Saikrishna S, Sanjay B, Harismen S, Amudhan S.
15	Sitadevi Garodia Hindu Vidyala Matriculation Higher Secondary School, East Tambaram	Rudra Devi. D, Shreesha S, Hemapriya. R, S. Santhosh, S H Pragadeeshwaran, Ramanan. A, Harshini. N, M. Sarvan Ram, Ranjani S, S Sakthi Sudharshan, S. Jaiakash, Gayathri Mutharasi. V

16	Sree Gokulam Public School,	S. Vanathi, Hrithika S, K.B. Mirudulaa, H.
	Chengalpattu	Prajeeth, T.N. Ganesh Kumar, M. Rishima, ELSA
		JUSTIN, G. Subhashini
17	St. Antony Matric Higher	Ahmed Ansari Ihthisham L, Aishwarya M, Aman
	Secondary School, Pallikaranai	Gour B, Anbazhagan T, Haarish A, John Milton
		S, Karthiga Sekar, Palani P, Pranatheesh S,
		Rokith Kumar S, Thangarasu S, Haritha K,
		Kanishka M, Kaviya S, Sanjai R, Sarukesh S,
		Shanmuga Priya E, Sivaranjini Nair S,
		Thananjayan S.
18	St. Joseph's Matric Higher	Hemachanthiran P, Ranjith P, Manigandan S,
	Secondary School, Marai Malai	Dharshini P, Harshavardhan S, Arokia Shathana
	Nagar	M, Samyuktha V, Belcy Frutlin T, Yuvasri S,
		Ruvanthika P, Ramya Priya S.
19	Valluvar Gurukulam Higher	Tharunkumar B, Kamesh Kanna G., Dilip Kumar
19	Secondary School, Tambaram	M, Kishore G, Prithika Priya R S, Udhaya K,
	Secondary School, Tambaram	Bharath M, Meenalochani B.
		Bharath W, Weenalocham B.
20	Ramakrishna Mission Boys Hr.	E. Manoj, Dhanush. R, Gnanaprabanjan G,
	Sec School, Chengalpattu	Sachin. S
21	Sri Ramakrishna Mission	S Monika, S. Shastika, I. Hasini, K. Shabishna, D.
	Vidyalaya Girls Hr. Sec School,	Monika, S. Sri Priya, K. Jashvini, P. Dharshini, S.
	Chengalpattu	Supriya, Varalakshmi. M, S. Dhivya Dharshini,
		U. Kalairubini, R. Ragavi, I. Shobhana Shree, K.
		Mahalakshmi, V. Divya, R. Maha, S. Jeevana
		Priya, P. Yuva Shree, K.S. Shahana Keerthi, A.
		Sai Priya, D. Ezhilarasi, S. Kaviya
22	St. Paul's Academy (Cbse),	Jonika Shanu, Sam E., Sibi, Sanjeevi Kumar E.
	Chengalpattu	John Shaha, Sain E., Sioi, Sanjeevi Ramai E.
	Chengarpatea	
23	Velammal Vidhayala (Main) Mel	Bhavadharani D. K, Priyadharshini, Dhanraj,
	Ayanambakkam	Pulkit Jain, Jayanti Nishaanthan. M, Sanjay,
		Abilash. S.M, S. Shreya, Naveen. U, Keshav
		Pandey, Sahana Chandini
24	St. Paul's Matriculation Higher	Mohana Sundaram S., Hema Chandhiran M.,
	Secondary School, Chengalpattu	Harish P., Divakar M., Sandhana K., Salath
		Ferdina A, Roshini P., Dharshini S.
25	Light Workson A Jessey	Circuit Lashua Danni Haria da Burna V. 4.1
25.	Light Workers Academy,	Sivani, Joshua Danni, Harjeeth, Pranav Karthik
	Nallambakkam	

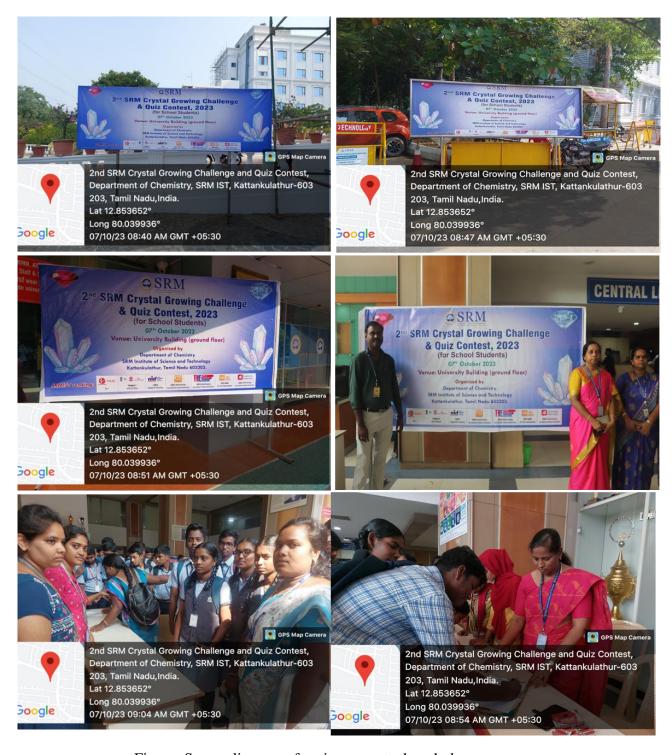


Figure: Some glimpses of various events the whole programme.



Figure: Some glimpses of the event of the exhibition of crystals.



Figure: Some glimpses of various events – interactions between school students and professors of SRMIST.

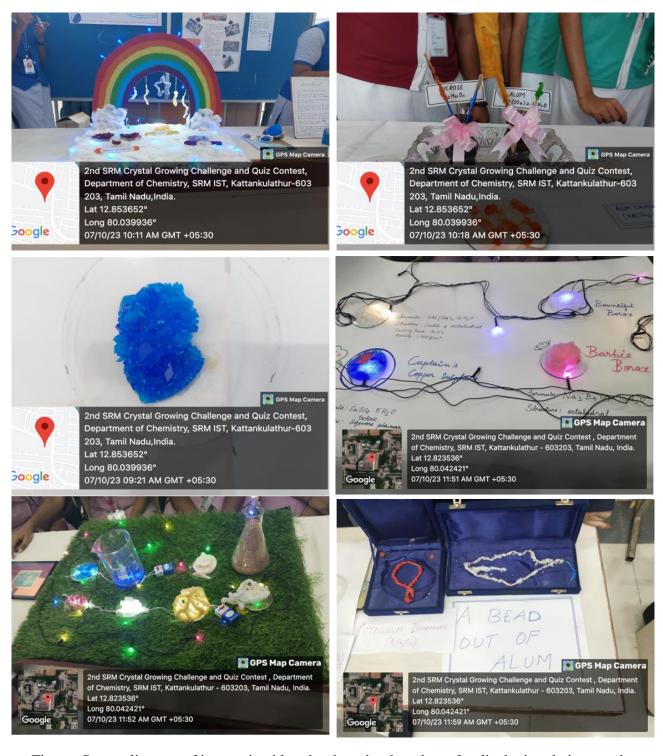


Figure: Some glimpses of innovative ideas by the school students for displaying their crystals.

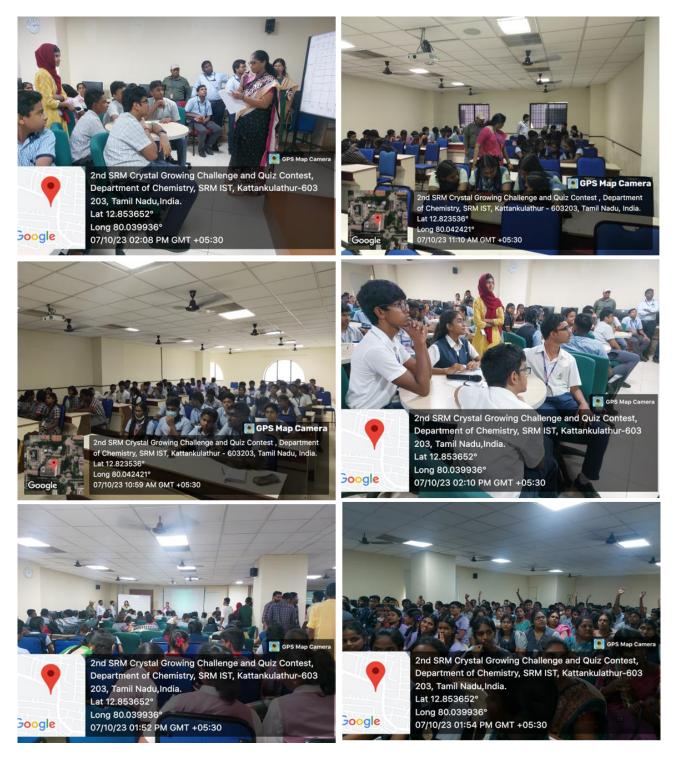


Figure: Some glimpses of event of organising the quiz contest.



Figure: Some glimpses of the valedictory function and distribution of certificates and mementos.



Figure: A representative copy of the participation certificate given to the students.



Figure: A representative copy of the winner's certificate given to the students.