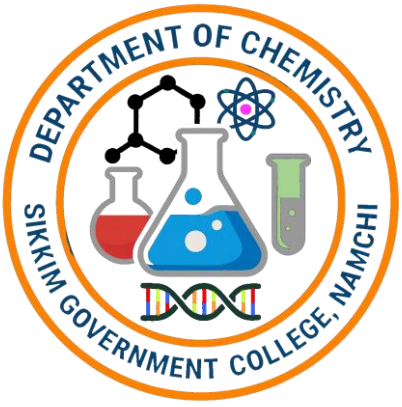
Department of Chemistry



Web Magazine 2025

Brief History of the Department

Sikkim Government College, Namchi formally known as Namchi Government College, Kamrang, Sikkim was established on 18th August 1995. With the increase in the number of students in Class 12 Science in different Government and Private Schools in Sikkim, the State Government had established the Science Departments in June 2012. In the same year Department of Chemistry was established, and it was headed by Dr. Satyadeep Singh Chettri. Dr. Madav Prasad Thapa who was the principal at the time of establishment of Science Department, he welcomed the newly added department under Sikkim Government College, Namchi. The following faculties were added and relieved after the Inception of Chemistry Department since 2012.

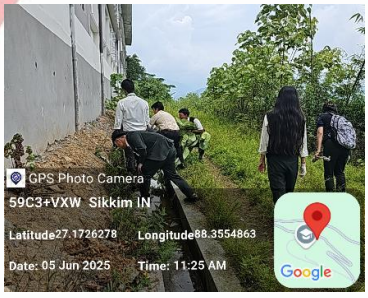
Dr. Satyadeep Singh Chettri	June 2012 - March 2013
Mr. Devendra Chhetri	February 2013 - do
Mr. Biswa Gurung	2013 - 2014
Mrs. Dawa Doma Bhutia	October 2014 - do
Dr. Saurav Kafley	March 2015 - 2021
Dr. Umesh Rizal	December 2018 – January 2021
Dr. Govinda Prasad Luitel	November 2019 - September 2024
Mr. Sonam Wangchuk Lepcha	January 2021 - do
Mr. Yoash Targain	September 2021 – do
Professor (Dr.) Chanchal Das	August 2024 – do

Currently our department also have two Non-Teaching Faculties, Mr. Suraj Gurung, Lab Assistant & Mr. Rajesh Manger, Caretaker.

Departmental Activities



As part of the curriculum, students from our department, along with master's students from the Department of Education, were taken on an industrial visit to the Sikkim Milk Producers' Union Limited, Milk Packaging Unit, Karfectar, on 17/04/2025.



As part of the Green Initiative, our Department observed World Environment Day with a campus cleanliness and beautification drive. Activities included weeding of garden areas, collection and segregation of waste, and watering and trimming of plants to enhance the campus greenery and promote environmental awareness.

On 07/08/2025, the Department of Chemistry, Sikkim Government College, Namchi, organized an Induction Program to welcome the newly admitted students. The session aimed to familiarize them with the department's academic environment, facilities, and activities, fostering a sense of belonging and enthusiasm for the year ahead.

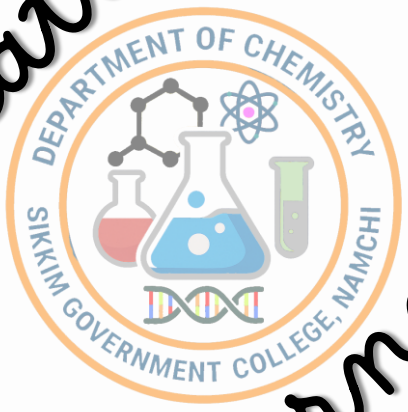
Departmental Activities



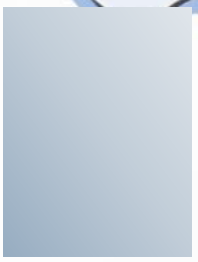
Seva Parv was celebrated on 18/09/2025 by the Department of Chemistry and the Chemical Waste Management Committee of Sikkim Government College, Namchi, in collaboration with the EIACP Resource Partner on Ecotourism, Sikkim State Council of Science and Technology (SSCST), through an awareness program on "Solid Waste Management."

As part of the Green Initiative of Sikkim Government College, Namchi, the Department of Chemistry organized a Gardening-cum-Cleaning Day on 28/10/2025. The activity aimed to promote environmental consciousness, maintain cleanliness in and around the departmental premises and green spaces, and contribute to the upkeep of the college campus.

Creative Corner



The Secret Diary of Chemistry



Ashika Sharma
25NS0204
(Chemistry Honours)

If Chemistry had a diary, what stories would it tell? Perhaps it would begin with a memory of the universe's first heartbeat—the Big Bang—when elements were born in a cosmic furnace. Hydrogen and Helium would smile proudly, remembering how they lit up the very first stars. Carbon would remind us that without it, no life could ever exist. Every atom carries not only mass and charge but also a history as old as time itself.

Chemistry is often seen as a subject of equations and reactions, yet it is far more than numbers on a page. It is the language of nature, written in symbols and bonds. Love itself can be compared to hydrogen bonding—delicate, invisible, but powerful enough to hold worlds together. Friendship resembles covalent bonding, where sharing makes both sides stable. And some people in our lives are like noble gases—rare, unique, and complete in themselves.

Our everyday world is Chemistry's canvas. The fizz of soda tells us about gases longing for freedom. The fragrance of flowers is nature's organic chemistry at play. The glow of neon lights paints the night sky with colors from excited electrons. Even a simple breath we take is a reaction—oxygen entering, carbon dioxide leaving, life continuing silently.

Beyond its presence in daily life, Chemistry also reflects the deeper truths of existence. Reactions remind us that change is inevitable. Catalysts teach us that the right company can speed up progress without being consumed. Equilibrium whispers the wisdom of balance in all things. Stability, transformation, energy, and renewal—aren't these the same lessons that guide human

life?

In the laboratory, test tubes may hold liquids, but they hold reflections of the universe. A flame is not just fire—it is the dance of excited atoms releasing light. A crystal is not just a solid—it is the quiet order of particles arranged in perfect harmony. Chemistry writes its diary in every sparkle, every scent, every heartbeat, waiting for us to read between the bonds.

So, the next time we balance an equation or mix two solutions, let us remember: Chemistry is not only about reactions—it is about reflections. It is the poetry of the universe, written in elements and carried in atoms, forever reminding us of that life itself is the greatest experiment of all.

The Beating Heart of Chemistry

Sahil Sharma
25NS0201
(Chemistry Honours)

In Little bottles, colors shine,
mix a drop and watch it rhyme.
Powders fizz and glow,
Chemistry makes the magic show.

Atoms joins and bonds appear,
New things form, the old things clear.
Heat it up or cool it down,
Science wears a hidden crown.

From water, salt to air we breathe,
Chemistry works and we believe.
It builds our world both big and small,
The secret science behind it all.

From cells in our bodies to clouds in sky,
From food that we eat to colors that dye
It links the earth, the water, the air,
Chemistry's wonder is everywhere.

Acids and bases, bright and strong,
Balance and dance, a silent song.
Salts will form, crystal will glow
Patterns of beauty, the atoms show.

So, when you stir or light a flame,
Remember its more than just a game
Its life's own art, its mystery
The beating heart of Chemistry

अम्ल र क्षार (Acid and Base)

Samir Rai
23NS0104
(Chemistry Honours)

अम्ल तिखो हुन्छ धेरै,
नुनिलो छैन, स्वाद पनि खै।
छुनासाथ पोल्ने गर्छ,
धेरै बलियो, तुरुन्तै पर्छ।

क्षार भने शान्त स्वभाव,
थोरै कडुवो, तर असल प्रभाव।
दुवै फरक स्वभावका साथी,
तर विज्ञानले बनायो यिनीलाई नाति।

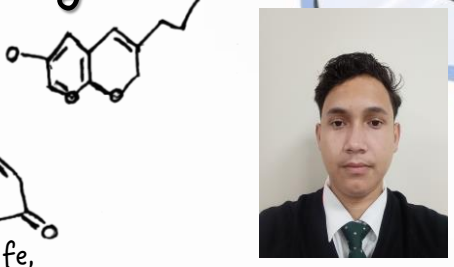
जब भेट्छन् अम्ल र क्षार,
देखिन्छ रमाइलो व्यवहार।
बुलबुला उठ्छ, ताप बढ्छ,
नुन र पानी बन्न थाल्छ।

अम्लको तिखोपन हराउँछ,
क्षारको कडुवोपन घटाउँछ।
दुवै मिलेर बन्छन् सरल,
यो नै विज्ञानको नियम अचल।

प्रकृतिमा पनि यस्तै देखिन्छ,
माटो र पानीमा सन्तुलन भैन्छ।
मानव शरीरमा पनि यही काम,
सन्तुलनमा रहन्छ जीवनको नाम।

अम्ल र क्षारको यो कथा,
सिकाउँछ सन्तुलनको व्यथा।
फरक भए पनि मिल्न सक्छ,
जब बुझिन्छ, संसार सजिन्छ।

Love of Chemistry



Giri Raj Chettri
24NS0406
(Chemistry Honours)

Our love is like a chemical solution,
Balanced and pure,
The pH of our relationship,
Is always secure.

When you come into my life,
It was like a chemical reaction,
Two elements combining,
To create a beautiful attraction.

The heart ignites like a flame so bright,
Two atoms collide and emerge in light,
With every heartbeat, a spark in the dark,
Fusing our essence, igniting the spark.

Our love is like a molecule,
Composed of atoms that fit so well
Together we form a bond so strong,
A love that's meant to last all life long.

Exam Vibes

Awan Rai
25NS0205
(Chemistry Honours)

Teacher says, "Balance this equation!"
My brain says, "Needs vacation."
But when I pass with flying grade,
It's just because caffeine's my aide.

Lazy Chemist

Nisha Rai
23NS0103
(Chemistry Honours)

I tried to study chemistry,
But chemicals just laughed at me.
They said, be careful or we'll explode!
So, I took a nap - problem postponed!

My beaker's dirty, flask's not bad
The test tube's broken - gone so mad
My beaker fizzed, my test went boom,
Now smoke and chaos filled the room!

Teacher asked, "What's this reaction?"
I said, "sir ... it's pure distraction!"
Atoms laugh, equations flee
Chemicals just reacts ha-ha to me!

I tried the lab again today,
But luck, as always, ran away!
I mixed some stuff - it looked so cool. ..
Then BOOM! - I almost changed the room

Teacher sighed, "You've done it twice!"
I said, "it's my little exercise "
He said, "You'll fail if you don't learn!"
I said, "At least I made things burn!

At last, exam day came so near,
I whispered, "Fail again, I fear!"
The teacher smiled, "Let's see your test."
I wrote: 'I tried my very best!'

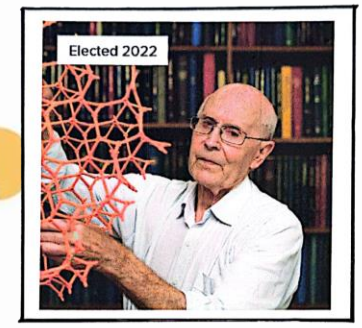
They say chemistry's full of reaction and heat,
But my reaction's just ... falling asleep!
Still, I'll pass somehow, just wait and see
Because laziness is my specialty

The lab was smoky, goggles cracked,
Yet somehow grades got ... slightly hacked.
The teacher said, "You passed, my friend!"
I yelled, "Science loves a happy end!"

Now I'm a chemist (kind of, true),
Still mixing stuff I shouldn't do.
They call me Doctor Boom today
The lazy chemist found her way!

Nobel Laureates in Chemistry, 2025

Richard Robson (The 2025 Nobel Prize Winner in Chemistry)



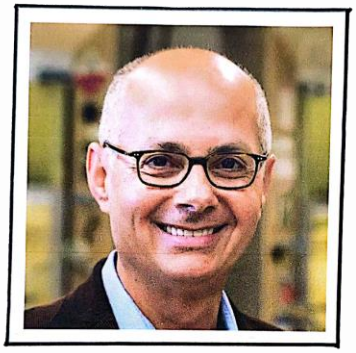
- Institution: University of Melbourne, Australia.
- Contribution: Pioneered the development of MOFs, predicting their potential for functionalization and catalytic applications. His work laid the foundation for the field of reticular chemistry.

Nima Tamang
23NS0110
(Chemistry Honours)

Susumu Kitagawa (The 2025 Nobel Prize Winner in Chemistry)

- Institution: Kyoto University, Japan.
- Contribution: Developed flexible MOFs that can dynamically alter their structure in response to external stimuli, showing their potential for smart materials and applications in gas storage and separation.

Omar M. Yaghi (The 2025 Nobel Prize Winner in Chemistry)



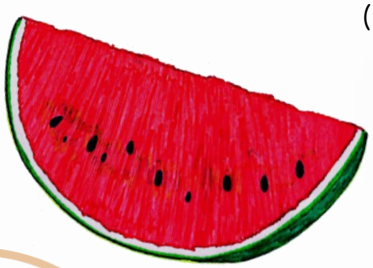
- Institution: University of California, Berkeley, USA.
- Contribution: Introduced rational design principles for MOFs, enabling the creation of materials with customizable properties. His work has led to tens of thousands of MOF variants with significant potential in chemistry, energy storage, and environmental solutions.

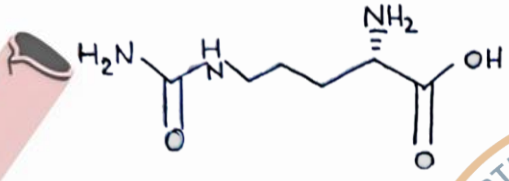
Watermelon: Is there more than water and sugar?

Kunsang Tamang
23NS0102
(Chemistry Honours)

Yes, There are compounds responsible for the colour and aroma.... ..... and many other chemicals, like

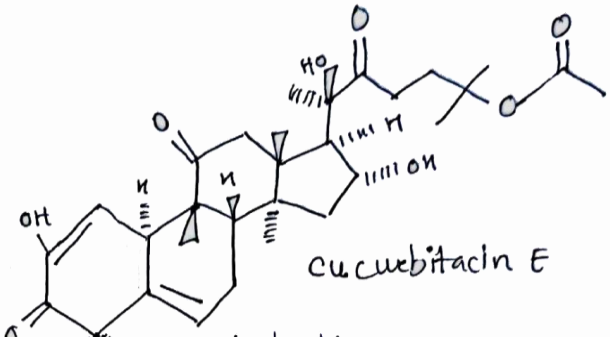
Citrulline



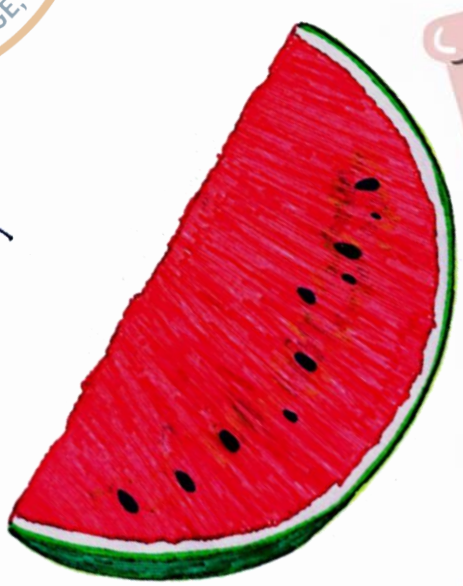


Involved in the response of the plant to water stress
Health claims → to be verified

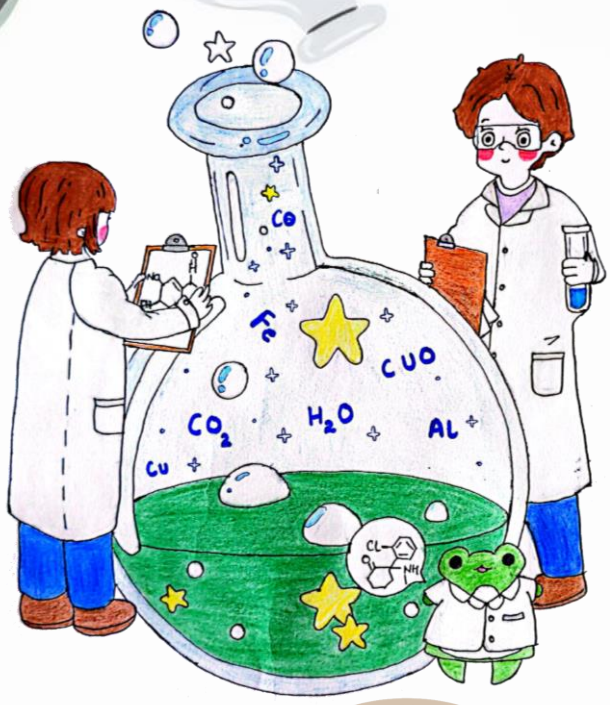
Cucurbitacins



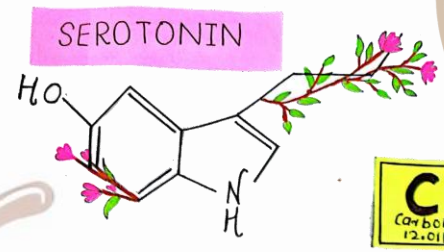
Cucurbitacin E

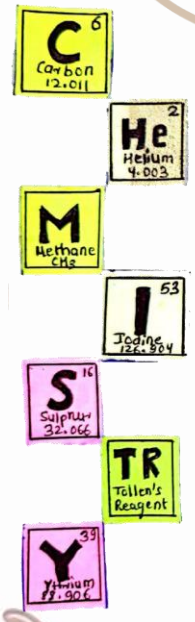


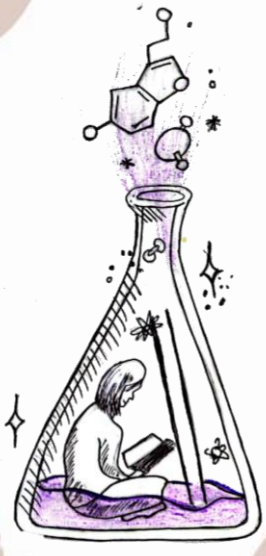
Involved in plant defence
Several biological activities
Note: bred out of the fruit, but present in other parts of the plant.

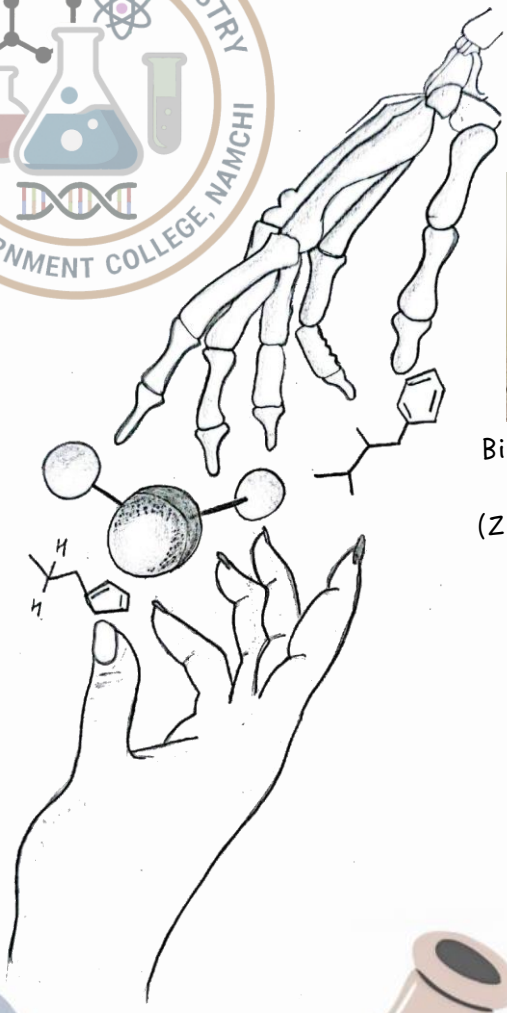


Simran Basnett
23NS0101
(Chemistry Honours)



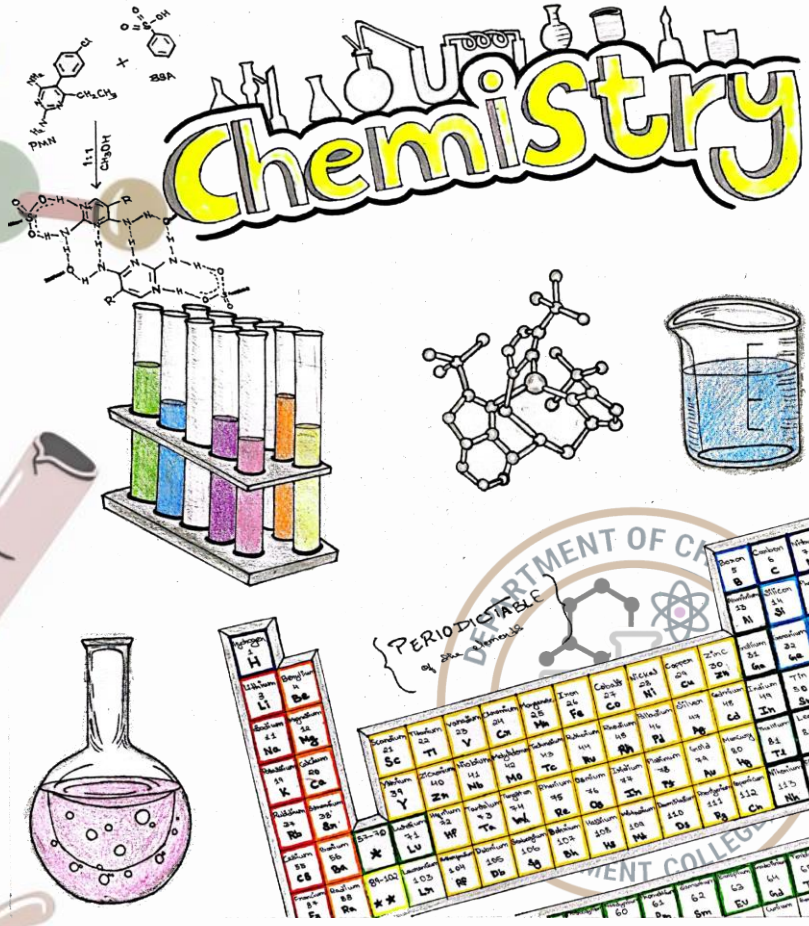




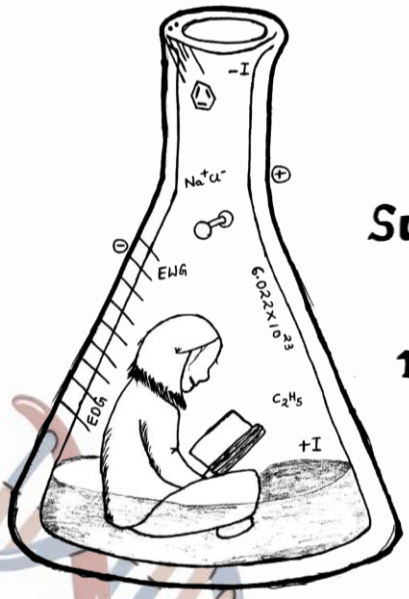


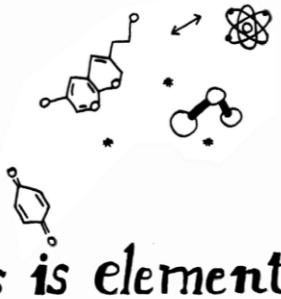
Bidushi Bhattarai
24NS0011
(Zoology Honours)

Bishnu Tamang
25NS0202
(Chemistry Honours)



Sadhana Basnet
24NS0401
(Chemistry Honours)





Success is elemental
Keep your
reactions balanced.

Randiv Sewa
25NS0203
(Chemistry Honours)

Sangdup Tamang
25NS0206
(Chemistry Honours)

Departmental Feedback/Grievances

Scan Here to Give Your Feedback