

FOUR YEAR UNDER GRADUATE PROGRAMME(FYUGP)

IN CHEMISTRY

SREE NARAYANA COLLEGE, SIVAGIRI VARKALA

Affiliated to University of Kerala

Dear Students,

Welcome to an exciting new chapter in your academic journey!

The University of Kerala has proudly announced the introduction of new four-year undergraduate (UG) degree programmes starting from the academic year 2024. These innovative programmes are designed to provide a comprehensive and enriching educational experience, equipping you with the knowledge and skills necessary for a successful career in a rapidly evolving world. The new programme offers opportunity to engage in interdisciplinary studies, research projects, and internships that enhance your learning and prepare you for real-world challenges.

In this occasion, Post Graduate Department of Chemistry, Sree Narayana College, Sivagiri, Varkala is thrilled to introduce the new four-year undergraduate Chemistry degree course with specializations in **Analytical Chemistry** and **Chemistry of Nanomaterials**. This innovative programme is designed to provide a robust foundation in chemistry, while offering you the opportunity to delve deeply into the specialized and cutting-edge fields of Analytical Chemistry and Chemistry of Nanomaterials. Throughout this course, you will explore the principles and applications of Analytical Chemistry, learning advanced techniques for the qualitative and quantitative analysis of substances. The specialization in Chemistry of Nanomaterials will immerse you in the study of materials at the nanoscale, exploring their unique properties and potential applications in various industries, including medicine, electronics, and environmental science.

The list of courses available in department basket is attached with this message. The courses are designed carefully to provide you opportunities for hands-on laboratory work, research projects, and internships, all aimed at enhancing your practical skills and preparing you for a successful career in chemistry.

Join us at Sree Narayana College, where we are committed to academic excellence and innovation, and take the first step towards becoming a leader in the dynamic fields of Analytical

Chemistry and Chemistry of Nanomaterials. We look forward to supporting your academic and professional growth in this exciting new programme.

Discover Your Passion for CHEMISTRY

SREE NARAYANA COLLEGE, SIVAGIRI, VARKALA
(Affiliated to University of Kerala, NAAC Re-accredited with B++ Grade)
DBT STAR, DST FIST & RUSA SUPPORTED COLLEGE

POST GRADUATE DEPARTMENT OF CHEMISTRY

COURSES OFFERED

- 3 Year U G Degree in Chemistry
- 4 Year Honors Degree in Chemistry
- 4 Year Honors Degree in Chemistry with Research
- M.Sc Analytical Chemistry

SPECIALIZATIONS

- Analytical Chemistry
- Chemistry of Nano Materials

SPECIAL FEATURES

- Skill Enhancement Courses
- Multidisciplinary Courses
- Value added courses

FACILITIES & RESOURCES

- Industrial and Research Exposure
- Student research publications
- Facilities for patenting scientific inventions
- Organising National & International Seminars, Workshop and Webinars
- MoU's with Industries and Research institutes
- Effective Mentorship
- State-of-the-Art Laboratories
- Modern Instrumentation Facility
- Certificate Courses

CAREER OPPORTUNITIES

- RESEARCH SCIENTIST
- ANALYTICAL CHEMIST
- PROFESSOR/ ACADEMICIAN
- FORENSIC SCIENTIST
- MEDICINAL CHEMIST
- INDUSTRY EXPERT
- NANOTECHNOLOGIST
- PALAEONTOLOGIST
- PHARMACOLOGIST
- TOXICOLOGIST

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Apply now at

<https://admissions.keralauniversity.ac.in/>

About Department of Chemistry

Facilities and Resources:

- **DBT STAR & DST FIST Funded Department**
- **State-of-the-Art Laboratories**
- **Modern Instrumentation Facility suitable for experimental research**
- **Library Access**
- **Computer Lab and Software Facility**
- **Numerous Certificate Courses**

Why Choose Sree Narayana College, Sivagiri, Varkala?

- **Well Qualified and Expert Faculty**
- **Research Opportunities**
- **Department with experienced Research Guides.**
- **Facility for patenting Scientific inventions**
- **Department of Biotechnology, Govt of India, STAR Scheme supported department**
- **Department of Science & Technology, Govt of India, FIST supported Research Facility**
- **MoUs with industries and Research Institutes**
- **CSIR – NET, GATE, JAM, TIFR, JNCASR and JAM coaching**
- **Opportunity to do research project in emerging areas of Chemistry**
- **Student Research Publications**
- **Holistic Development**

Programmes Offering:

1. Three Year Undergraduate Degree in Chemistry:

- *Lay the foundation of your academic journey with our comprehensive three-year undergraduate degree program in Chemistry.*
- *Explore the fundamentals of the discipline while honing your analytical skills and scientific knowledge.*

2. Four Year Honors Degree in Chemistry:

- *Dive deeper into the world of Chemistry with our Four-Year Honours Degree Program.*
- *Immerse yourself in advanced coursework, research projects, and specialized training to become an expert in your field.*

3. Four Year Honors Degree in Chemistry with Research:

- *Engage in cutting-edge research projects under the guidance of experienced supervisors and contribute to groundbreaking discoveries.*
- *Opportunity to publish your research outcomes in peer reviewed international journals/ present in national/international conferences.*
- *Opportunity to patent your research findings*

Research Supervisors

Dr Archana SR, MSc, MPhil, Ph.D, NET, B.Ed

Research Area: Material Science, Electrochemistry

Dr Reshma R, MSc, Ph.D

Research Area: Material Science, Drug Delivery Systems

Specializations

- **Chemistry with Analytical Chemistry**
- **Chemistry with Nano Material Chemistry**

Tailor your academic journey to your interests with specialized courses in Analytical Chemistry and Nano Material Chemistry, preparing you for specialized roles in these dynamic fields.

Skill Enhancement Courses

Develop essential skills for success in the scientific community through courses in :

- **Analytical Skills**
- **Chromatography**
- **Laboratory Safety**
- **Scientific Communication and**
- **Sustainable Chemistry.**

Multidisciplinary Courses

Broaden your intellectual experience and be part of liberal arts and science education through courses in:

- **Environmental Chemistry and**
- **Chemistry in Everyday Life.**

Dr Archana S R
Head, Department of Chemistry



UNIVERSITY OF KERALA

Re-accredited by NAAC with A++ GRADE

College Basket

May 15, 2024, 7:30 a.m.

College : SN College, Varkala (134)
Year of admission : Batch 2024
Discipline : FYUGP Chemistry

Category	Course Code	Course Name	Entered by	Entered on
Semester: 1				
DSC	UK1DSCCHE100	INORGANIC CHEMISTRY I	Archana S R	Fri, 10 May 2024 00:52:32 GMT
DSC	UK1DSCCHE101	FUNDAMENTALS OF CHEMISTRY I	Archana S R	Fri, 10 May 2024 00:52:32 GMT
DSC	UK1DSCCHE102	CHEMICAL FRONTIERS – BONDING TO ENVIRONMENTAL PERSPECTIVES	Archana S R	Fri, 10 May 2024 00:52:32 GMT
DSC	UK1DSCCHE103	FOUNDATIONS OF INORGANIC & POLYMER CHEMISTRY	Archana S R	Fri, 10 May 2024 00:52:32 GMT
DSC	UK1DSCCHE104	GENERAL INORGANIC CHEMISTRY	Archana S R	Fri, 10 May 2024 00:52:32 GMT
MDC	UK1MDCCHE100	FUNDAMENTAL ASPECTS OF ENVIRONMENTAL CHEMISTRY	Archana S R	Fri, 10 May 2024 00:53:02 GMT
Semester: 2				
DSC	UK2DSCCHE100	ORGANIC CHEMISTRY - I	Archana S R	Fri, 10 May 2024 00:55:20 GMT
DSC	UK2DSCCHE101	FUNDAMENTALS OF CHEMISTRY II	Archana S R	Fri, 10 May 2024 00:55:20 GMT
DSC	UK2DSCCHE102	ESSENTIALS OF INORGANIC CHEMISTRY	Archana S R	Fri, 10 May 2024 00:55:20 GMT

DSC	UK2DSCCHE103	ESSENTIALS OF ORGANIC CHEMISTRY	Archana S R	Fri, 10 May 2024 00:55:21 GMT
DSC	UK2DSCCHE104	BIO ORGANIC CHEMISTRY & COLLOIDS	Archana S R	Fri, 10 May 2024 00:55:21 GMT
MDC	UK2MDCCHE100	CHEMISTRY IN EVERYDAY LIFE	Archana S R	Fri, 10 May 2024 00:55:45 GMT
Semester: 3				
DSC	UK3DSCCHE200	PHYSICAL CHEMISTRY - I	Archana S R	Fri, 10 May 2024 00:57:05 GMT
DSC	UK3DSCCHE201	ESSENTIALS OF PHYSICAL CHEMISTRY	Archana S R	Fri, 10 May 2024 00:57:05 GMT
DSC	UK3DSCCHE202	CHEMICAL INSIGHTS: FROM SOIL TO PETROCHEMICALS	Archana S R	Fri, 10 May 2024 00:57:05 GMT
DSC	UK3DSCCHE203	NATURAL PRODUCT CHEMISTRY	Archana S R	Fri, 10 May 2024 00:57:05 GMT
DSC	UK3DSCCHE204	CHEMISTRY UNVEILED: EVERYDAY APPLICATIONS	Archana S R	Fri, 10 May 2024 00:57:05 GMT
DSE	UK3DSECHE202	ANALYTICAL CHEMISTRY - I	Archana S R	Fri, 10 May 2024 00:57:53 GMT
DSE	UK3DSECHE206	CHEMISTRY OF NANOMATERIALS - I	Archana S R	Fri, 10 May 2024 09:29:58 GMT
VAC	UK3VACCHE200	LABORATORY SAFETY	Vinod C Sugathan	Fri, 10 May 2024 17:39:16 GMT
Semester: 4				
DSC	UK4DSCCHE200	INORGANIC CHEMISTRY II	Archana S R	Fri, 10 May 2024 00:59:41 GMT
DSC	UK4DSCCHE202	ORGANIC CHEMISTRY - II	Archana S R	Fri, 10 May 2024 00:59:41 GMT
DSE	UK4DSECHE202	ANALYTICAL CHEMISTRY - II	Archana S R	Fri, 10 May 2024 01:00:11 GMT
DSE	UK4DSECHE206	CHEMISTRY OF NANOMATERIALS - II	Archana S R	Fri, 10 May 2024 09:30:21 GMT
INT	UK4INTCHE200	SUMMER INTERNSHIP	Archana S R	Tue, 14 May 2024 13:50:16 GMT
SEC	UK4SECHE201	PRACTICAL SKILLS IN CHEMISTRY	Vinod C Sugathan	Fri, 10 May 2024 17:39:44 GMT

VAC	UK4VACCHE200	SUSTAINABLE CHEMSITRY	Vinod C Sugathan	Fri, 10 May 2024 17:40:00 GMT
VAC	UK4VACCHE201	SCIENTIFIC COMMUNICATION & ETHICS	Vinod C Sugathan	Fri, 10 May 2024 17:40:01 GMT
Semester: 5				
DSC	UK5DSCCHE300	INORGANIC CHEMISTRY III A	Archana S R	Fri, 10 May 2024 01:03:25 GMT
DSC	UK5DSCCHE302	PHYSICAL CHEMISTRY II	Archana S R	Fri, 10 May 2024 01:03:25 GMT
DSC	UK5DSCCHE304	ORGANIC CHEMISTRY - III	Archana S R	Fri, 10 May 2024 01:03:26 GMT
DSE	UK5DSECHE304	ANALYTICAL CHEMISTRY- III	Archana S R	Fri, 10 May 2024 01:03:49 GMT
DSE	UK5DSECHE305	ANALYTICAL CHEMISTRY - IV	Archana S R	Fri, 10 May 2024 01:03:49 GMT
DSE	UK5DSECHE312	CHEMISTRY OF NANOMATERIALS - III	Archana S R	Fri, 10 May 2024 09:31:19 GMT
DSE	UK5DSECHE313	CHEMISTRY OF NANOMATERIALS - IV	Archana S R	Fri, 10 May 2024 09:31:19 GMT
SEC	UK5SECHE300	ANALYTICAL SKILLS	Vinod C Sugathan	Fri, 10 May 2024 17:55:41 GMT
Semester: 6				
DSC	UK6DSCCHE300	PHYSICAL CHEMISTRY - III	Archana S R	Fri, 10 May 2024 01:05:15 GMT
DSC	UK6DSCCHE302	ORGANIC CHEMISTRY - IV	Archana S R	Fri, 10 May 2024 01:05:15 GMT
DSC	UK6DSCCHE304	PHYSICAL CHEMISTRY - IV	Archana S R	Fri, 10 May 2024 01:05:15 GMT
DSE	UK6DSECHE304	ANALYTICAL CHEMISTRY - V	Archana S R	Fri, 10 May 2024 01:05:47 GMT
DSE	UK6DSECHE305	ANALYTICAL CHEMISTRY - VI	Archana S R	Fri, 10 May 2024 01:05:47 GMT
DSE	UK6DSECHE312	CHEMISTRY OF NANOMATERIALS - V	Archana S R	Fri, 10 May 2024 09:32:09 GMT
DSE	UK6DSECHE313	CHEMISTRY OF NANOMATERIALS - VI	Archana S R	Fri, 10 May 2024 09:32:09 GMT

SEC	UK6SECCHE300	CHROMATOGRAPHY	Vinod C Sugathan	Fri, 10 May 2024 17:55:59 GMT
Semester: 7				
DSC	UK7DSCCHE400	ADVANCED INORGANIC CHEMISTRY I	Archana S R	Fri, 10 May 2024 01:06:45 GMT
DSC	UK7DSCCHE401	ADVANCED INORGANIC CHEMISTRY II	Archana S R	Fri, 10 May 2024 01:06:45 GMT
DSE	UK7DSECHE400	RESEARCH METHODOLOGY & ETHICS	Archana S R	Fri, 10 May 2024 01:06:59 GMT
Semester: 8				
CIP	UK8CIPCHE400	CAPSTONE INTERNSHIP PROJECT	Archana S R	Tue, 14 May 2024 13:51:10 GMT
RPH	UK8RPHCHE400	Honours with research project	Archana S R	Tue, 14 May 2024 13:51:25 GMT