**RESUME**

1. Name : **Professor Dr. SURESH C. AMETA**
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(Official) : **Professor Dr. SURESH C. AMETA**

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PAHER University

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E-mail: ameta\_sc@yahoo.com

1. Date of Birth : 8th November 1948
2. Educational Qualifications :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Class/ Degree** | **Board/ University** | **Subject** | **Year** | **Division** | **Remarks** |
| High School | Rajasthan Board | Sci. Maths | 1963 | I | Merit Scholarship |
| Pre University | M. L. S. University,  Udaipur | Physics, Chemistry, Maths | 1965 | I | Merit Scholarship |
| B. Sc. | -do- | -do- | 1968 | II | 58.60% |
| M. Sc. | -do- | Chemistry | 1970 | I | Ist Position |
| M. Phil | Vikram University,  Ujjain | Chemistry | 1978 | I | Ist Position |
| Ph. D. | Vikram University | Chemistry | 1980 | - | - |

**5.** **Teaching Experience**

1. Total Teaching Experience : 47 years
2. Degree (B.Sc.) Classes : 33 years
3. Post-Graduate (M.Sc.) Classes : 36 years
4. M.Phil. Classes : 2 years

**6.** **Research Experience** : 47 years

**7.** **Honors and Awards**

1. National Merit Scholarship in 1963 and 1965.
2. Distinction in Maths in Pre. Univ. Sci. (86.00%).
3. First Position in M.Sc. and University Gold Medal – 1970.
4. First Position in M.Phil. – 1978.
5. **National Level Awards for writing P.G. standard Chemistry Books in** **1976 and 1978 respectively by U.P. Government and U.P. Hindi**  **Sansthan.**
6. Awarded as **Scientist of the Year 2002** by National Environment Science Academy, New Delhi.
7. Awarded **Prof. M. N. Desai Award – 2002** with a citation and a cash prize of Rs. 10,000/- from Indian Association of Chemical Sciences, Ahmedabad.
8. **Professor G. V. Bakore Memorial Award, 2007** by Indian Chemical Society, Kolkata.
9. Awarded first **Professor W. U. Malik Memorial Award, 2008** with cash prize of Rs. 15000/- by Indian Council of Chemists, Agra
10. felicitated on national level as **national Teacher** on 5th Sept. 2010 by Narayan Seva Sansthan, an International organization for social service (Polio Eradication)
11. Awarded as a Scientist by **Shri Sunder Singh Bhandari Charitable Trust** on 12th April, 2011
12. Felicitated as **life time Achievement Awardee** by Indian Chemical Society on the occasion of International Year of Chemistry on 3rd Dec. 2011 at Allahabad (U.P.).
13. Felicitated as **life time Achievement Awardee** by Indian Council of Chemists in Year 2015 at Bardoli, Surat (Guj.).
14. Felicitated as **life time Achievement Awardee** by Indian Association of Chemistry Teachers, Mumbai in Year 2018 at Ajmer (Raj.).

**8.** **Research Publications**

1. Papers Published : 350
2. Papers Accepted : 5
3. Papers Communicated : 5

**9.** **Books Published** : 32

1. In press : 2
2. Under preparation : 3

**10. General Articles of Scientific interest**

Published : 30

**11.** **Research Guiding Experience**

(i) M.Phil. Awarded : 8 (Eight)

(ii) Ph. D. Awarded : 85 (Eighty five)

(iii) Ph. D. candidates working : 8 (Eight)

**12.** **Other Achievements**

* **President, Indian Chemical Society, Kolkata (2000 - 2001)**
* **Founder Professor and Head**, **Department of Chemistry, North Gujarat University, Patan (Guj.) (1994)**
* **Worked as First Professor of North Gujarat University as a whole in 1994.**
  + **Chairman, Board of Studies in Chemistry,** **North Gujarat University, Patan (Guj.)**
  + **Member, University Court (Senate),** **North Gujarat University, Patan (Guj.)**
  + **Member, Executive Council,** **North Gujarat University, Patan (Guj.)**
  + **Member, Board of Teaching & Research**, **North Gujarat University, Patan (Guj.)**
  + **Member, Academic Council**, **North Gujarat University, Patan (Guj.)**
* **Vice-President** - Indian Council of Chemists, Agra (1991-95)
* **Vice-President** -Indian Chemical Society, Kolkata (1992-93, 2002-Cont.)
* **Council Member**, Indian Chemical Society (1989-91), (1995-1997) (1999-Cont.)
* **Professor & Head**, Department of Chemistry, M. L. Sukhadia University, Udaipur (2002-2005)
* **Convener**, Committee of Courses in Chemistry and Polymer Sciences, Sukhadia University, Udaipur (2002-2008)
* **Member**, Committee of Courses in Pharmacy and Microbiology, Sukhadia University, Udaipur.
* **Member**, Board of Studies in Chemistry, University of Rajasthan, Jaipur.
* **Coordinator, NSS** (1996-98), Sukhadia University, Udaipur.
* **Controller of Examinations**, M. L. Sukhadia University, Udaipur (September 2000 - January 2001).
* **Dean,** Post Graduate Studies, M. L. Sukhadia University, Udaipur (2004 - 2008)
* **Member,** Board of Management (2007-08), Sukhadia University, Udaipur.
* **Member,** Governing Body, Board of Secondary Education, Rajasthan (2004-09)
* **Sectional President**, Physical Chemistry Section, Sixteenth Annual Conference of Indian Council of Chemists at Mangalore University, Mangalore (1997)
* **Delivered** **Invited - Lectures** and **Chaired** a number of National Seminars/ National Conferences / Symposia - **Raipur** (85), **Annamalainagar** (86), **Kolhapur** (87), **Jodhpur** (89, 95,96, 2000, 2001, 2002, 2003, 2011 & 2013), **Indore** (89, 96 & 2005), **Bhavnagar** (88, 92, 2006 & 2010), **Ajmer** (92 & 2005), **Jaipur** (92 & 2007), **Rewa** (93), **Ahmedabad** (94, 2001 & 2004), **Aurangabad** (96, 98 & 2006), **Mangalore** (97), **Kolkata** (99), **Jalgaon** (99), **Hardwar** (2000 & 2008), **Udaipur** (2000, 2004, 2005 ,2012 & 2013), **Kalyani** (2001), **Baroda** (2001), **Jodhpur** (2001 & 2011)), **Nagarjuna Nagar** (2002), **Jhansi** (2003 & 2004), **Dharwar** (2004), **Delhi** (2004), **Kota** (2006, 2008, 2009 & 2011), **Rajkot** (2006), **Surat** (2006), **Patan** (2006, 2009, 2011 & 2017) , **Chittorgarh** (2007, 2014 & 2015), **Amravati** ( 2009), Bundi (2009 & 2011), **Bhilwara** (2010), **Allahabad** (2011), **Rajkot** (2012), **Chandigarh** (2013), **Kurukshetra** (2014), **Nadiad** (2015), **Jodhpur** (2016), **Visnagar** (2017), **Bardoli** (2017), **Chittaurgarh** (2017) and **Bardoli** (2017).

# Referee

- J. Photochem. Photobiol., UK

- J. Indian Chem. Soc., India

- J. Solar Energy Soc. India

- J. Chem. Edu., USA

- Desalination

- Catal. Commun.

- Int. J. Sustain. energy

- J. Hazard. Mater.

- Tetrahedron Lett.

- J. Solid State Chem.

- Mater. Sci. Eng. B

- J. Alloys Compd.

- Solar Energy

- Bull. Korean Chem. Soc.

# Member, Editorial Boards

- International Journal of Chemical Sciences

- Pollution Research

- Current Green Chemistry

* **Organized a** **UGC Symposium** in March 1984 at **Bhilwara** and Sukhadia University, **Udaipur** in December’ 2000 as an Executive Secretary and UGC Symposia in December’ 2003 and December’ 2005 at Sukhadia University as Director.
* **Organized** **37th and 38th Annual Conventions of Indian Chemical Society**, Kolkata at Gurukul Kangri University, Hardwar (2000) and J. N. Vyas Universtiy, Jodhpur (2001) respectively.
* **Organized two** **Refresher Courses** in January’ 2004 and 2005 at Sukhadia University, Udaipur as Coordinator.
* **Organized an International conference** onRubber Materialsand Expo, Nov. 2007 jointly with HASETRI, JK Tyre and IRI, Rajasthan Branch as Convener and donated Rs. 51 Lakhs to Mohanlal Sukhadia University towards part construction of Polymer Science Building.
* **Organized National Conferences** in Pacific University, Udaipur in 2012, 2014, 2015, and 2016.
* **Fellow**
* Royal Society of Chemistry, London
* Institution of Chemists, India
* Indian Chemical Society
* Indian Council of Chemists
  + **Life Member**
* Solar Energy Society of India, New Delhi
* Indian Science Congress Association, Kolkata
* Chemical Research Society of India, Bangalore
  + Nominated as a Member of Working Group by Government of U. P. for planning the **Faculty of Energy Studies, Ambedkar University, Lucknow**.
  + Research Students have received **Merit Certificates in National Conferences** at **Raipur** (1985) and **Kolhapur** (1987), **Prof. S. R. Patil Award** in **Indore** (1989), **Prof. A. K. Dey Award** and **Association of Kinetics Award** in **Aurangabad** (2006) by Indian Chemical Society, Kolkata and Mangalore (1997) by Indian Council of Chemists.
  + Completed Five Major Research Projects, **DNES** (83-85), **CSIR** (85-88), **UGC** (87-90) & (2002-2005) and **DNES** (1989-93).
  + Research Work has been referred in “**Topics in Current Chemistry**” Vol. 118, **(Elsevier)** (1983), and **European Photochemistry Newsletters, Germany** in 1983 and 1987 and **Photochemistry, A Specialist Periodical Report**, Vol. 19 (1988). Royal Society of Chemistry, London.

**13. Information on Teaching and Research Disciplines (Titles only)**

(i) **Research**

* Photochemistry and Photocatalysis
* Solar energy conversion and storage
* Wastewater treatment
* Photogalvanic cells
* Microwave chemistry
* Sonochemistry

(ii) **Teaching**

* Group Theory
* Spectroscopy
* Photochemistry
* Quantum Chemistry
* Chemical Kinetics
* Chemical bonding

**14. Short summary on Teaching and Research work in last 5 years**

(i) **Teaching work**

Teaching interests are in the field of Quantum Mechanics, Group Theory, Spectroscopy (UV, IR, NMR, ESR, MASS etc. and their applications), Chemical Bonding and Physico-Organic Chemistry in general.

(ii) **Research work**

The main fields of research work include Photochemistry, Effluent treatment, Organic conducting materials, Microwave chemistry and Sonochemistry. Earlier interest was in Photogalvanic cells for solar energy conversion and storage. Photocatalytic route has been investigated for the treatment of contaminated water with pollutants like metal ions, dyes, chloro-organic compounds. Synthesis of some organic compounds having conducting properties is also under process.

**15. Recent Books:**

1. Green Chemistry: Fundamental and Applications, Apple Academic Press, USA (2014).
2. Microwave Assisted Organic Synthesis: A Green Chemical Approach, Apple Academic Press, USA (2015).
3. Solar Energy Conversion and Storage: Photochemical Modes, CRC Press, Taylor & Francis (2015).
4. Photocatalysis: Principles and Applications, CRC Press, Taylor & Francis, (2016).
5. Chemical Applications of Symmetry and Group Theory, Apple Academic Press, USA (2016).
6. Advanced Oxidation Processes in Waste Water Treatment, Elsevier, Netherland (2018).
7. Sonochemistry: A Green Chemical Technology, Apple Academic Press, USA (will be released in June 2018).
8. Science of Nanomaterials (Five Volumes), Apple Academic Press, USA (will be released in 2019)

**16. Others**

**Indian Chemical Society, Kolkata** instituted a National Award to Honour the services rendered to society and the subject as **Professor Suresh C. Ameta Award** from 2003 onwards to be given annually to a Senior Scientist.

The Society has published a special volume as **Professor Suresh C. Ameta Sixtieth Birthday Felicitation Volume** of Journal of Indian Chemical Society in December 2008.

**(Prof. Suresh C. Ameta)**