



**Name:** Dr Anju K S  
**Designation:** Assistant Professor  
**Department:** Chemistry  
**Phone No:** 9447187800  
**Email:** ks.anju.ks@gmail.com  
**Date of Entry into Service:** 03/1/2011  
**Date of Retirement:** 31/5/2038  
**Qualifications:** MSc, B.Ed, PhD  
**Area of Interest:** Organic Chemistry  
**Subjects Handled:** Organic, Inorganic & Physical Chemistry  
**Field of Research:** **Organic Chemistry**  
**Experience:** 15 years

**Memberships in Learned Bodies/Societies:** Member of Academy of Chemistry Teachers

**Extension Activities:** Coordinator of Walk with the Scholar, Coordinator of Hostel Committee, NSS programme Officer 2013-2016

#### **Papers Published in International Journals:**

- 1) S. Anas, K. Syam Krishnan, V. Sanjayan Sajisha, **K. S Anju**, K. V. Radhakrishnan, E. Suresh and Cherumuttathu H. Suresh. *New J. Chem.* **2007**, *31*, 237–246.
- 2) 9,10,19,20-Tetraarylporphycenes: **K. S. Anju**, S. Ramakrishnan, Ajesh P. Thomas, E. Suresh and A. Srinivasan, *Org. Lett.* **2008**, *10*, 5545-5548.
- 3) Calix[n]metallocenyl[m]phyrins (n = 1, 2 and m = 2, 4): aryl vs. alkyl: S. Ramakrishnan, **K. S. Anju**, Ajesh P. Thomas, E. Suresh and A. Srinivasan, *Chem. Commun.* **2010**, *46*, 4746-4748.
- 4) *meso*-Aryl Triphyrin(2.1.1): **K. S. Anju**, S. Ramakrishnan and A. Srinivasan, *Org. Lett.* **2011**, *13*, 2498-2501

- 5) 5,5-Diaryldipyrromethanes: syntheses and anion binding properties: K.C. Gowri Sreedevi, Ajesh P. Thomas, P. S. Salini, S. Ramakrishnan, **K.S. Anju**, M.G. Derry Holaday, M.L.P. Reddy, C.H. Suresh, A. Srinivasan, *Tet. Lett.* **2011**, 52, 5995-5999.
- 6) ansa-Ferrocene-Incorporated Calixpyrroles and Calixphyrins: Syntheses and Spectral/Structural Characterization: S. Ramakrishnan, **K. S. Anju**, Ajesh P. Thomas, K. C. Gowri Sreedevi, P. S. Salini, M. G. Derry Holaday, Eringathodi Suresh, and A. Srinivasan, *Organometallics*, **2012**, 31 (11), 4166–4173.
- 7) Syntheses of normal, expanded, strapped and N-confused calixbenzophyrins from a single starting material: P. S. Salini, **K. S. Anju**, M. L. P. Reddy, and A. Srinivasan. *Chem. Commun.*, **2013**, 49, 5769-5771.
- 8) *Meso*-Aryl [20] $\pi$  Homoporphyrin: The Simplest Expanded Porphyrin with the Smallest Mobius Topology: **K. S. Anju**, Mainak Das , B. Adinarayana, Cherumuttathu H. Suresh, and A. Srinivasan. *Angew. Chem. Int. Ed.* **2017**, 56, 15667 – 15671.

#### Papers Presented:

1. Syntheses, Characterization and Singlet Oxygen Generation Capacity of meso-Tetraaryl porphycene. K. S. Anju, National Workshop on Computer Aided Drug Designing, Sree Narayana College, Chengannur, Kerala, March 2011
2. Synthesis of meso -Aryl Triphyrin (2.1.1), Tetraphyrin(2.1.2.1), Hexaphyrin(2.1.2.1.2.1) and Octaphyrin(2.1.2.1.2.1.2.1) K. S. Anju, National Seminar on Spectroscopy and its Application in Structural Elucidation, St. Thomas College Ranny, December 2014.

#### Research Projects:

UGC funded Minor Research Project entitled (2361-MRP/15-16/KLKE052/UGC-SWRO dated 25 April 2016) entitled “Synthesis, Study of the Coordination and Aromatic Properties of meso-pentafluorophenyl tetraphyrin[2.1.1.1] system” with financial aid of Rs 4,80,000 /-

#### Seminar Organized:

KSCSTE sponsored Two Day National seminar on “Nanomedicine: Current Scenario And Future Opportunities” organized at Sree Narayana College, Chengannur on 17<sup>th</sup> and 18<sup>th</sup> February 2017

#### Orientation Courses Attended:

1. UGC- Sponsored Orientation Programme (IT-Oriented) from 27/06/2014 to 24/07/2014 at the UGC-Academic Staff College, Thiruvananthapuram, Kerala

2. Orientation Course for NSS Programme officers from 09/10/2014 to 15/10/2014 at the Training & Orientation Centre, Rajagiri College of Social Sciences, Kalamassery, Kerala

#### **Refresher Courses Attended:**

1. UGC- Sponsored Refresher Course in Chemistry from 30/01/2013 to 20/02/2013 at the UGC-Academic Staff College, Thiruvananthapuram, Kerala
2. SWAYAM ARPIT Course for Career Advancement Scheme promotion- Online Refresher Course In Chemistry For Higher Education held on 16.02.2020 by Sri Guru Tegh Bahadur Khalsa College, University of Delhi
3. UGC - Sponsored Online Refresher Course in Chemistry from 28/09/2020 to 11/10/2020 by University Grants Commission, Human Resource Development Centre (Hrdc), Gujarat University, Ahmedabad

#### **Faculty Development Programmes Attended:**

1. Faculty development training programme sponsored by AICTE-MHRD-TEQIP on "Green Environment for Academic Campus Through Microscale Chemistry" Organized by Department of Chemistry, NIT Calicut from 9 to 13 December 2013.
2. One Week Online Short-Term Faculty Development Programme on "PEDAGOGICAL AND E-LEARNING TOOLS FOR TEACHING" which was delivered in asynchronous mode as MOOC with four quadrants, organised by Sanatana Dharma College, Alappuzha in collaboration with The Kerala State Higher Education Council from 04th -10th August 2020
3. One Week online Short term Faculty Development Programme on "ICT Tools for Teaching Learning Process- Post Pandemic Educational Strategies" which was delivered as MOOC with four quadrants, organised by Department of Physics and IQAC Sree Narayana College Kollam in collaboration with The Kerala State Higher Education Council from August 17-23, 2020.
4. One Week National Faculty Development Program on "Research Ethics and Characterisation Techniques in Material Science" jointly organized by Guru Angad Dev Teaching Learning Centre, S.G.T.B. Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of MHRD and Bishop Moore College, Mavelikara, Affiliated to the University of Kerala & St. John's College, Agra in online mode from 09 to 15 September 2020.

5. One Week National Faculty Development Program on “Instrumental Methods of Analysis” jointly organized by Guru Angad Dev Teaching Learning Centre, S.G.T.B. Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of MHRD and Bishop Moore College, Mavelikara, Affiliated to the University of Kerala & St. John's College, Agra in online mode from 7 to 13 October 2020.

**Seminars/Workshops Attended: 13**

**Academic Responsibilities Undertaken:** Question Paper setter, Examiner

**Duties Performed at College:**

NAAC Coordinator, Coordinator of Walk with the Scholar, Coordinator of Hostel Committee, NSS programme Officer 2013-2016