

# INDIAN INSTITUTE OF CHEMICAL ENGINEERS

Dr H. L. Roy Building  
Raja Subodh Mullick Road  
KOLKATA – 700 032

Tel: 033-2414 6670

Email : [iichehq@gmail.com](mailto:iichehq@gmail.com)

## NOMINATION FORM A – 16

### SHAH-SCHULMAN AWARD FOR THE BEST Ph.D. THESIS IN THE AREA OF COLLOID AND INTERFACE SCIENCE for the Year 2020 (Total Award value: Rs. 40,000/-)

(for thesis submitted during the period 01.01.2018 to 30.04.2020 and publications/patents based upon it)

[N.B. Please submit:

(a) **One hard copy** of the filled-up Nomination form

(b) **5 sets (on CDs)** of Nominations complete with (i) the complete thesis, (ii) papers published, accepted for publication, submitted for publication.]

01. Name of the Nominee:

02. Category of Membership and Membership Number of IChE (if applicable):

03. Complete Address for Correspondence:

a) Works : \_\_\_\_\_  
\_\_\_\_\_

Tel : \_\_\_\_\_ Fax : \_\_\_\_\_  
Email : \_\_\_\_\_

b) Residence: \_\_\_\_\_  
\_\_\_\_\_

Tel : \_\_\_\_\_ Fax : \_\_\_\_\_  
Email : \_\_\_\_\_

04. Date of Birth:

05. Academic qualifications beginning with Bachelor's Degree: (Appendix 1)

06. Professional experience: (Appendix 2)

07. Present position and name of employer: \_\_\_\_\_

08. Name of the Institution/Organization where the Doctoral Research was conducted.

09. Outstanding achievements in research of the nominee (300 words) (Appendix 3)

10. Discuss the nature of contributions/innovations as regards the following in each paragraph consisting of,

(i) fundamental/theoretical contributions/new theories

(ii) experimental/ applied research/new insight in experimental analysis

(iii) Patents acquired/applied

(iv) Complete list of publications in reputed international journals based on the work reported in the thesis (including books/chapters in books).

(v) Has any innovation reported in the thesis been commercialized? If yes, give the details including the supporting documents from the industry.

11. (a) Name of Institution where the Research work was carried out

(b) Name of the Main/Only Research Guide with title

12. Awards/Honours/Recognitions of the nominee (Appendix 4)

Whether the work reported in thesis has already been recognized by award(s). If yes, give details.

13. Presentations/Invited lectures in Seminars/conferences based on the work presented in the thesis. (Appendix 5)
14. Any other information relevant to the nomination (Appendix 6).
15. If selected for the award, the nominee will be required to give an oration in the Annual Congress- CHEMCON during December.
16. The last date for all nominations will be **May 31**, every year as a general practice. However, if there is any extension of this due date, it will be notified in advance.

**I, the sponsor, hereby declare that the information provided above is true and believe by bestowing this award to the nominee, the IChE's image will be enhanced. I also state that I am not the office bearer of the IChE at the national or regional level.**

Name and Signature of the Sponsor/Research Guide

Designation, employment and complete address of the sponsor including telephone

IChE Membership Number:

Place & Date :

### **GENERAL INFORMATION**

1. Professor Dinesh O Shah, a world figure in the area of Colloid and Interface Science and Professor of Chemical Engineering and Anestheology and Director, Centre for Surface Science and Engineering, University of Florida, Gainesville, Florida 32611, sponsors the annual award. The award is in line with the V K Lamar Award for the best Ph.D. Thesis in Surface and Colloid Science instituted by the American Chemical Society in 1960. Professor Schulman was a pioneer researcher in this area and was Professor Shah's teacher at Columbia University. Professor Shah sponsors this award to honour the memories of his great teacher.
2. **Objective:** The objective of the award is to promote excellence and to provide encouragement to doctoral students of universities/institutes/R&D establishments in India working in this area pertaining to a broad spectrum of topics and disciplines mentioned below:  
 ◆ Adsorption at Interfaces ◆ Micelle Formation and Solubilization ◆ Wetting, Contact Angle and Adesion ◆ Liquid Crystalline Phases ◆ Detergents ◆ Catalysis ◆ Cosmetics and Personal Care Products ◆ Emulsions, Microemulsions, Nanoparticles ◆ Food Technology and Pharmaceuticals ◆ Flotation of Minerals ◆ Pesticide Formulations ◆ Petroleum Engineering ◆ Processing of textiles and leather ◆ Environmental Engineering including Soil Remediation and Water Purification ◆ Inks and Paints ◆ Self-Assembly of Molecules or Structures ◆ Lubrication and Tribology, Friction, Surface Roughness ◆ Biomaterials ◆ Processing of Electronic Materials.
3. **Eligibility:** A person who submitted Ph.D. Thesis incorporating research works in the broad area of colloid and interface science in the period **01.01.2018 to 30.04.2020** is eligible for nomination for the year 2018. Nominations in the above format with copies of (i) the complete thesis; (ii) papers published, accepted for publications, or submitted for publication, in **5 sets (on CDs)**, should reach the IChE Headquarters at the address given at the top of the nomination form on or before **May 31, 2018**.
4. **Award Value:** The Award value is Rs.40,000/- and a memento. In case the Award Committee recommends two nominations for the purpose of the award, the award money will be equally divided between the two. Travel and other expenses for this purpose will have to be borne by the recipient of the award.
5. **Assessment of the nominations:** A two-tier assessment system will be followed. All the nominations will be assessed by a Committee consisting of experts in the area located in India. The top three nominations recommended by the Committee will be sent to a three-member Overseas Committee for the final selection.

6. **Presentation of the work selected for the award:** The recipient of the Shah-Schulman Award will have to make a half-an-hour presentation as a lead lecture in an appropriate technical session of the CHEMCON of that year. The award will be handed over to the recipient at the end of the presentation. Travel and other expenses for this purpose will have to be borne by the recipient of the award.