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### **Curriculum - Vitae**

Satish Chandra was born in Lucknow, India and he is a Swedish citizen.

#### **Education**

B.Sc from Lucknow University, Lucknow, India in 1959

B.Tech. (Silicate Technology) from Banaras Hindu University, Varanasi, India in 1966.

Doctor of Technology (Dr.Ing.) from the Academy of Mining and Metallurgy, Cracow, Poland in the year 1973.

Rectors award for the doctoral thesis in 1973, Academy of Mining and Metallurgy, Cracow, Poland.

#### **Working experience**

Since 1998, I was working as professor, Applied Concrete Chemistry, attached to the Environmental Chemistry; Chalmers University of Technology.

Currently, Retired professor but working as consultant; Chalmers Technical University, Dept of Building Physics, 41296, Goteborg, advising PhD students as well as involved in research and development of new materials

Here I am dealing with the material development and durability of building materials specially concrete, including deterioration mechanisms. I am also working on the use of mineral admixtures (industrial products) like fly ash, blast furnace slag, condensed silica fume, organic chemical admixtures and polymers in concrete. Influence of these admixture on both fresh and hardened concrete is studied.

#### **Conference attendance in Turkey**

Fourth CANMET/ACI International Conference on Fly Ash, Silica Fume, Slag and Natural Pozzolans in Concrete; Istanbul, Turkey, May 3-8 1992 (Organized by Malhotra).

## **Committee Memberships**

Regular member of RILEM committee TC 105, Polymers in Concrete,

Regular member of RILEM committee TC 113, Test Methods for Polymers in Concrete,

RILEM committee TAHC; Admixtures for high performance concrete,

RILEM committee TC; Durability Properties of Concrete.

ACI committee 547, Refractory Concrete,

Founder chairman , Asian Concrete Institute (20 Asian countries are involved)

Advisory Group of the International Congress on Polymers in Concrete /ICPIC/.

International Scientific Committee of International Congress on Chemistry of Cement.

Life member of Indian Concrete Institute,

Member; Swedish Chemical Society, and Swedish Silicate Society.

## **Visiting Professor**

Catholic University at Leuven, de Cryolaan, Belgium, 1 March to 15th April 1, 1993.

Yonsei University, Seoul, Korea, September 1997,

Tokyo Institute of Technology, The Hiroshima University, Hiroshima, Nigatta University, Nigata, and the Tokyo Institute of Technology, Japan, Nov.-Dec.1997.

Ljubljana University February 1998;

## **Publications**

Books

S.Chandra and Y.Ohama,  
Polymers in Concrete, CRC Press, USA May 1994, p.300

S.Chandra

Use of Waste Materials in Concrete Manufacture, Noyes Data Corporation, N J, USA, 1997, p665

S.Chandra and Leif Berntsson

The Lightweight Aggregate Concrete, Science, Technology and Application, NOYES Publications, USA, Jan 2003, p 450

S.Chandra

The History of Architecture and Building Material in India;. TBI Books International, 4/12 Kalkaji Extention, opp Nehru Place, New Delhi, India Jan 2003, 2 volumes, pp 650

S.Chandra and Niti Saxena

Treat Yourself, Energy Balance System, TBI Books International, 4/12 Kalkaji Extention, opp Nehru Place, New Delhi, India , 2007.

### **Chapters in the Books**

“The durability of concrete made with mineral admixtures” in series of books published by ABI(Books) Pvt. Ltd. New Delhi, India, 1993.

“The use of polymers in concrete” for the Encyclopedia of Polymeric Materials, CRC Press, USA, 1996.

“The Properties on Concrete with Mineral Admixtures”, in the book, Chemistry of Cement, Ed, Barnes,. E & F Spon, Jan. 2002, pp 140-185

### **Papers published**

**110 papers** in International Journals and Conferences of repute.

### **Patents**

Cement Mortar and Concrete with a reduced water absorption and a method for manufacture thereof., P. Flodin, O. Magnusson, S.Chandra, US Patent 4,762,867, 1988,

Technical know-how transfer to Japan for producing ultra high strength concrete in 1990.

Use of silica-sol (Colliodal silica) in concrete making, Chandra S, and Bergqvist H, Ramming mass for household chimney lining

### **Awards**

Twentieth Century, Achievements Award  
“ *Five Hundred Leaders of Influence* “  
American Biographic Institute  
USA

*Secretary- General*  
Of the  
*United Cultural Convention*  
USA

*Most Admirable Man of the Decade*  
ABI

USA

**International Seminar Organization**

Durability of Concrete 1986

Aspects of Admixtures and Industrial by Products, 1989

British Swedish Seminar on concrete repairs, 1990.

**Other activities**

Organizing committee member of many conferences

Scientific committee member of many conferences

Invited speaker of many conferences

Chaiman of many conferences

External Examiner of many doctoral thesis,

Reviewer of many journals.