

Prof C.V. Sundaram

Prof C.V. Sundaram is an Metallurgist who has made important contributions in the field of Extractive Metallurgy of Rare Metals. He has had a career-long association with the Indian Atomic Energy Programme. He was Head of the Metallurgy Division, Bhabha Atomic Research Centre, Bombay during 1975-1982 and Director, Indira Gandhi Centre for Atomic Research, Kalpakkam during 1982-1989. Since ^{18 Nov} 1991, he is the Homi Bhabha Visiting Professor at the National Institute of Advanced Studies. He is vacating his chair w.e.f 30 Nov (AN) 1997.

Based on the development work carried out by Prof Sundaram and his group, production plants for many special metals have been set up at the Nuclear Fuel Complex, Hyderabad. During the period Prof Sundaram was at Kalpakkam, the fast breeder test reactor was brought to first critically.

Prof Sundaram has been closely associated with the activities of the Indian Institute of Metals. He was the President of the Institute during 1981-1982. He was the President of the Indian Nuclear Society during 1991-1993.

Prof Sundaram is an elected Fellow of the Indian Academy of Sciences, Indian National Science Academy and the Indian National Academy of Engineering. He was awarded the Padma Bushan in 1986. His current interests at NIAS include energy options, advanced materials and environmental issues.

Prof Brajkantam

As requested by

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C V SUNDARAM

BIO-DATA

1. NAME : Chokkanathapuram Venkataraman SUNDARAM
2. DESIGNATION : Homi Bhabha Visiting Professor
National Institute of Advanced Studies
Indian Institute of Science campus
Bangalore 560 012
3. DATE OF BIRTH : November 7, 1929.
4. EDUCATIONAL QUALIFICATIONS : B.Sc (Hons) Chemistry
Madras University (1949)
- D.I.I.Sc (Metallurgy)
Indian Institute of Science
Bangalore (1952)
5. PROFESSIONAL RECORD :

Post held	Institution	Period
Homi Bhabha Visiting Professor	National Institute of Advanced Studies, Bangalore	Since Nov 1991 -
Consultant	Nuclear Fuel Complex, Hyderabad	1990-1991
Director	Indira Gandhi Centre for Atomic Research, Kalpakkam	Jan 1982 - Nov 1989
Head, Metallurgy Division	Bhabha Atomic Research Centre, Bombay	1975-1982
Head Extractive Metallurgy Section	- do -	1964-1975
Group Leader in Extractive Metallurgy	- do -	1959-1964
Junior Research Officer	- do -	1956-1959
Senior Research Assistant	I.I.Sc. Bangalore	1952-1956

Awards/Recognitions

Kamani Gold Medal of the Indian Institute of Metals (1966)
Binani Gold Medal Certificate (1968)
National Metallurgists Award of the Ministry of Steel and
Mines (1970)
VASVIK Award (1979)
IISc Platinum Jubilee Alumni Award (1984)
IIM Plantinum Medal (1985)
Sanjay Gandhi Award for S & T in the field of Energy (1985)
S.H. Zaheer Medal Award of INSA (1986)
Padma Bhushan (1986)

BIODATA IN SUMMARY

PROF C V SUNDARAM is a metallurgist who has made important contributions in the field of extractive metallurgy of rare metals. He had been associated with the Indian Atomic Energy Programme since 1956. He was Head of the Metallurgy Division of the Bhabha Atomic Research Centre (1975-1982) and the Director of the Indira Gandhi Centre for Atomic Research at Kalpakkam (1982-1989). He is presently Homi Bhabha Visiting Professor of the National Institute of Advanced Studies at Bangalore.

Prof. Sundaram has made outstanding contributions to the development of detailed flowsheets for the extraction of zirconium, hafnium, titanium, thorium and beryllium. He and his group have been responsible for ushering in an era of production of rare, reactive and refractory metals with indigenous capabilities and expertise with important consequences for the development of the atomic energy programme. The group has contributed to the establishment of production plants for nuclear grade zirconium sponge and tantalum metal products, and a pilot plant for titanium sponge metal at the Nuclear Fuel Complex, Hyderabad. Another major landmark in his contributions has been the successful Beryllium development programme at the Vashi project site near Trombay.

As Director of the Indira Gandhi Centre for Atomic Research at Kalpakkam, Sundaram's major mission was on commissioning of the **Fast Breeder Test Reactor**. His team of distinguished metallurgists has mastered several sophisticated processes and materials which are crucial to this programme. These included liquid sodium technology, and the development of mixed carbide fuel, and special stainless steel.

Prof. Sundaram has been closely associated with the activities of the Indian Institute of Metals. He was President of the Indian Institute of Metals for the year 1981-82 and was Editor of TRANSACTIONS OF THE IIM (1972-1980).

Prof. Sundaram has been elected Honorary Member of the Indian Institute of Metals and Fellow of the Indian National Science Academy, the Indian Academy of Sciences, and the Indian National Academy of Engineering. He is a recipient of the Kamani Gold Medal (1966), Binani Gold Medal Certificate (1968), the National Metallurgists' Day Award (1970), the VASVIK Award for Materials Science and Technology (1979) the Platinum Jubilee Award of the Indian Institute of Science (1984), the IIM Platinum Medal (1985) and the S.H. Zaheer Medal Award of INSA (1986).

Prof. Sundaram is also the recipient of the Sanjay Gandhi Award for S & T in the field of Energy (1985) and the Padma Bhushan Award in the Republic Day Honours of 1986. He was President, Indian Nuclear Society during 1991-1993.

Prof. Sundaram's present interests at NIAS include Energy Options, Environmental Issues and Advanced Materials Development. He edits the Journal 'Metals, Materials and Processes'.