Chennai, as the centre of the Madras Presidency in pre-Independence India, is special among Indian cities in its contributions to science, mathematics, education and public service in health.

Chennai's **Presidency College** is the only college in the country to have two Nobel prize winners among its alumni, the physicists C.V. Raman and Subrahmanyan Chandrasekhar. The biophysicist **G.N. Ramachandran** did his world-famous work while at **Madras University.**

Srinivasa Ramanujan, the mathematical genius, studied at **Pachaiyappa's College** and worked for a time at the **Madras Port Trust**, while doing his mathematics. **Father Racine**, who headed the Department of Mathematics at **Loyola College** for many years, inspired many of India's best mathematicians in the first few decades after Independence.

Chennai's contributions to the field of medicine through education and public service also stand out. The Voluntary Health Services, the Adyar Cancer Institute, SCARF and the National Institute for Research in Tuberculosis have been pioneers in their respective fields. The Crocodile Bank and the Snake Park have made exceptional contributions not only to conservation but to education. Today, institutions such as IIT Madras, Anna University, the Chennai Mathematical Institute and the Institute of Mathematical Sciences extend Chennai's long-standing tradition of combining high-quality teaching with research.

These panels highlight some of Chennai's traditions in science, mathematics, education and public service, together with the people and institutions that helped to shape them.

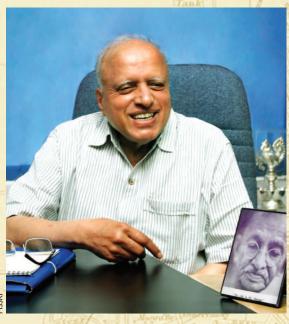
Curated by: Gautam Menon, K.N. Raghavan and P. Varuni (IMSc)

This calendar was produced as a part of an exhibition highlighting Science, Education and Public Service in Chennai, brought out by the **Institute of Mathematical Sciences** (www.imsc.res.in) for *Science at the Sabha* 2019, its annual outreach event for the general public.





SCIENCE, EDUCATION AND PUBLIC SERVICE IN CHENNAI







M.S. SWAMINATHAN

M.S. Swaminathan Research Foundation

M. S. Swaminathan's work as a plant geneticist led to the development of new varieties of wheat and rice, fuelling India's Green Revolution. He is the founder and chairman of the M.S. Swaminathan Research Foundation (MSSRF) in Chennai.

MARCH 2019

321	1	aking in	y day chang c	75.00.1
	M	Clim	II	25
	Ŧ	Ner .	12	26
	W	mal Ran	13	27
	T	Bank	14	28
He de	F	l bulia ellape nd	15	29
1	S	2	16	30
9	S	3	17	31
FOR	MG	60 4 .G	E 18	
	Т	5	19	B
ng Ba	W	6	20	
nade	Т	7	21	
oom ka	" F	8	22	
line	S	9	23	
Store	$I \subset I$	310	24	N





SCIENCE, EDUCATION AND PUBLIC SERVICE IN CHENNAI





SERVING THE UNDER-SERVED AND STIGMATIZED

Dr. Sarada Menon is a psychiatrist, social worker, the founder of Schizophrenia Research Foundation (SCARF) and the first woman psychiatrist in India. Dr. Suniti Solomon, and her student at the Madras Medical College, Dr. Sellappan Nirmala, tested and confirmed India's first AIDS case in 1986.

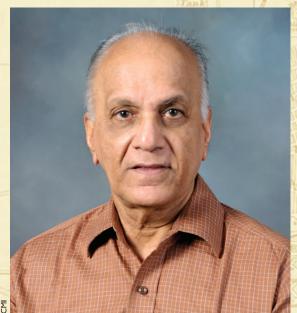
APRIL 2019

90	1	Hayaş	euram :	MIL.
	M	Gin.	15	29
	Ţ	2	16	30
	W	3	17	UR C
	T	4	18	
He o	F	5	19	
1	S	6	20	
	S	7	21	
FOR	MG	E08.G	E 22	
	Т	9	23	B
ng Ba	W	10	24	
nade	Т	П	25	
ooin la	" F	12	26	
Tine	S	13	27	





SCIENCE, EDUCATION AND PUBLIC SERVICE IN CHENNAI







C.S. SESHADRI

The Chennai Mathematical Institute

C.S. Seshadri, among the first students inspired by Father Racine at Loyola College, founded what is now known as the Chennai Mathematical Institute (CMI). He has made several fundamental research contributions in the field of algebraic geometry.

MAY 2019

	1	Hayap	ouram ?	Str.
	M	Cim	13	27
	J	Pier	14	28
	W	mal fan	15	29
	T	2	16	30
nue.	F	3	17	31
1	S	4	18	
6	S	5	19	
FOR	Mo	E06.G	20	
	Т	7	21	B
	W	8	22	
made	Т	9	23	
loom Ua	"F	10	24	
Mice.	S	П	25	
Store.	s^{I}	312	26	N





SCIENCE, EDUCATION AND PUBLIC SERVICE IN CHENNAI







JUNE 2019

	М	aim	10	24
	J	Pier	П	25
	W	mal Ro	12	26
	Lara Lara	st Office	13	27
Hed.	F	d Dullia. ottoge und	14	28
	S	ı	15	29
	S	2	16	30
OR	Mo	E03tG	E 17	
	T	4	18	B
	W	5	19	
gBai ade	W T	5		
gBai ade			19	
gBai ade gam se ice	Т	6	19 20	

ROMULUS WHITAKER

The Snake Man of India

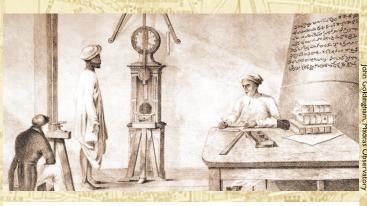
Romulus Whitaker is a leader in conservation ecology and education in the field of Indian herpetology. He founded the Madras Snake Park in 1972 and the Madras Crocodile Bank Trust in 1976.





SCIENCE, EDUCATION AND PUBLIC SERVICE IN CHENNAI





Discovery and observations of a new Planet (Asia). By Norman R. Pogson, Government Astronomer at Madras

A new planet, between the 11th and 12th magnitude, was discovered here on the night of April 17th. — No ring mind and also by my fourth assistant Ragamonta Chary,

			Log. of Pa	arall. $ imes \Delta$	Comp	arisons	
App.	œ.	App. 8		3	No.	Stars	Observer
5h 51"1	4*76	-	9,265*		5	ab	P.
5 51 1	3.56	16° 6′ 22"9	6,704	0,620	10		2
5 50 5	0.72	16 -1 12+7	9,502n	0,578	12		F
5 50 2	0.72	15 55 7,0	9,368m	0,617	9	5	\$
5 49 5	3.93	15 49 50 1	9 + 686n	0,579	8	5	
5 49 5	1.84	15 49 26,6	9 - 634 11	0,614	12		R.
49 2	2,97	15 43 55,3	9,431"	0,587	13	cb	₽.

THE MADRAS OBSERVATORY

The private astronomical observatory set up in Madras by William Petrie in Egmore in 1786 was among the first western-style observatories outside Europe. Norman Pogson, working at the Observatory, made the first observation of the element Helium. The Observatory also served as a reference point for the "Great Trigonometric Survey" of India.

2019

51	1	Hayap	ouram S	Stn.
	M	Cum	15	29
	J	2	16	30
	W	3	17	31
	Lara	4	18	
M.Hird	F	5	19	
1	S	6	20	
6	S	7	21	
FOR	Mo	E08.0	22	
	T	9	23	B
tug Ba	W	10	24	
made	Т	П	25	
loom Ua	" F	12	26	
Wine Wine	S	13	27	
	-	et a	100	79 797





SCIENCE, EDUCATION AND PUBLIC SERVICE IN CHENNAI







AUGUST 2019

	1	Army of	PER CHAIR C	
	M	Cim	12	2
	J	Ber	13	2
	W	H mal San h Sta	14	2
	Lara	B nk	15	2
Lee-	E	2	16	3
1	S	3	17	3
	S	4	18	
FOR	М	E0 5 1G	E 19	
	Т	6	20	1
ng Ba	W	7	21	
nade	Т	8	22	
loom la	" F	9	23	
Tice	S	10	24	
	79	79	75.75	

ACCESSIBLE HEALTH CARE

Chennai has been a leader in providing quality accessible health care. Dr. Muthulakshmi Reddy and Dr.V Shanta are associated with the Adyar Cancer Institute. Dr. K. S. Sanjivi founded Voluntary Health Services and Dr. S.S. Badrinath started Sankara Nethralaya.



Kadambakam Sta

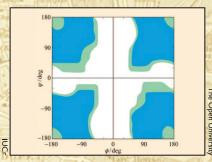


SCIENCE, EDUCATION AND PUBLIC SERVICE IN CHENNAI









G.N. RAMACHANDRAN The Madras Group

G.N. Ramachandran made world-famous contributions to the fields of biophysics and biochemistry in the mid-20th century, while he was at Madras University.

SEPTEMBER 2019

M	Clim	9	23
J	Pier	10	24
W	nal Ro	ARRO	25
o tara	st Offic	12	26
F	Dulia. rttoge nd	13	27
S		14	28
S	1	15	29
вт Мо	60 2 10	E 16	30
T	3	17	B
W	4	18	
T	5	19	
^m F	6	20	
S	7	21	





SCIENCE, EDUCATION AND PUBLIC SERVICE IN CHENNAI









THE INSTITUTE OF MATHEMATICAL SCIENCES

"A Small Institute with a Big Heart"

The Institute of Mathematical Sciences (IMSc) is an internationally known centre of research, not only in mathematics and physics, but also in areas such as computer science and computational biology.

OCTOBER 2019

	1	N 8		
	M	Clim	14	28
		d.	15	29
	W	2	16	30
	Tdras	3	17	31
Tee-	F	4	18	
1	S	5	19	
	S	6	20	
FORT	MGE	o Z to	E21	
agrar to	T	8	22	B
	W	9	23	
nade	Т	10	24	
oounn la	F	П	25	
ine ine	S	12	26	
tores	\mathbf{s}^{B}	13	27	A





SCIENCE, EDUCATION AND PUBLIC SERVICE IN CHENNAI









NOVEMBER 2019

10	100		
M	Circ	II	25
T	Ner	12	26
W	nal Ran	13	27
Lara	Bank	14	28
F	listia.	15	29
S	2	16	30
S	3	17	
MG	0 4 .g	E 18	
T	5	19	B
W	6	20	
Т	7	21	
" F	8	22	
S	9	23	

PRESIDENCY COLLEGE

The Presidency College in Chennai is the only institution in the country to have two Nobel Laureates among its alumni, the physicists C.V. Raman and Subrahmanyan Chandrasekhar. S.R. Srinivasa Varadhan, another alumnus, was awarded the Abel Prize in mathematics in 2007.





SCIENCE, EDUCATION AND PUBLIC SERVICE IN CHENNAI









FATHER RACINE AND INDIAN MATHEMATICS

Much of the deepest Indian work on geometry in the last seven decades can be traced to the influence of a French Jesuit priest, Father Racine, who headed the department of mathematics at Loyola College, Chennai, for three decades and inspired a generation of students.

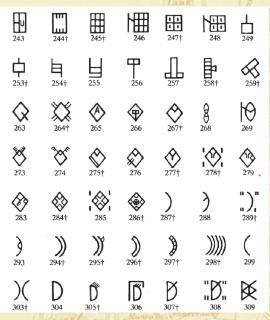
DECEMBER 2019

1	100		
M	Clim	9	23
J	Ner .	10	24
W	nal Ran	ARRO	25
or Tara	Bank	12	26
F	India.	13	27
S		14	28
S	T	15	29
MG	:0 2 :0	E 16	30
Т	3	17	3/3
W	4	18	
Т	5	19	
m F	6	20	
S	7	21	
T)	7.	7.77





SCIENCE, EDUCATION AND PUBLIC SERVICE IN CHENNAI









JANUARY 2020

Medical School

	M	Clim	13	27
	J	Pier	14	28
	W	mal Ken	15	29
	Tara	2	16	30
	F	3	17	31
7	S	4	18	
	S	5	19	
FOR	Mo	E06:G	2 0	
	T	7	21	B
	W	8	22	
ade	Т	9	23	
ooin la	" F	10	24	
ice	S	П	25	

INTERPRETING ANCIENT SCRIPTS

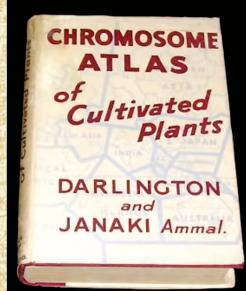
Iravatham Mahadevan (1930 - 2018) is known for his contributions to the decipherment of the Tamil-Brahmi script and for his work on the Indus Valley inscriptions.





SCIENCE, EDUCATION AND PUBLIC SERVICE IN CHENNAI





JANAKI AMMAL

India's first woman botanist

Janaki Ammal, born in 1897, a leading botanist and geneticist, was one of the first women to earn a doctorate in Botany in the USA. Her career spanned a number of institutions in different countries.

FEBRUARY 2020

100	_	_		
	M	Cim	10	24
	J	ier .	П	25
	W	al Ban Sta	12	26
	Taras	Bank	13	27
HOK.	F	bulka. Rege d.	14	28
	S	ı	15	29
	S	2	16	
ORT	MGE	0 3 tG	E 17	
10 % (4	Т	4	18	B
g Batt	W	5	19	
ade	Т	6	20	
oun i	F	7	21	
se inc	S	8	22	
tones	_ 72		70	N

