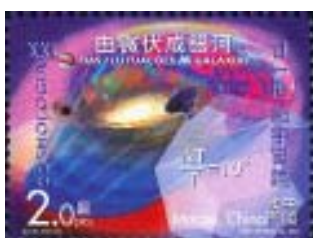
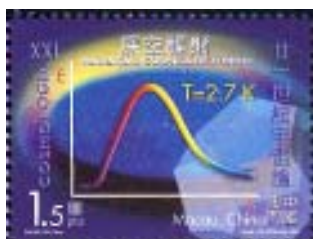


04



**GENERAL ARTICLES**

**04 Nobel Prize in Physics 2006**

*Cosmic Background Radiation and Precision Cosmology*  
T Padmanabhan

**17 Paul Halmos – Expositor Par Excellence**

V S Sunder

**29 Towards Logical Designs in Biology**

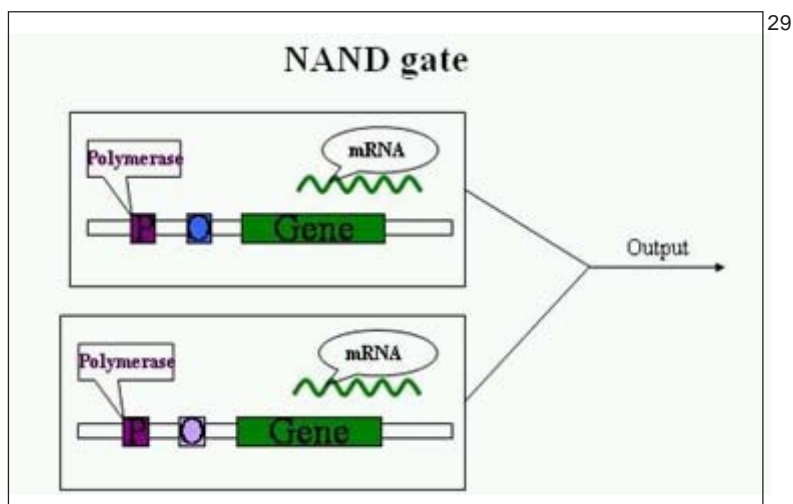
Garima Agarwal

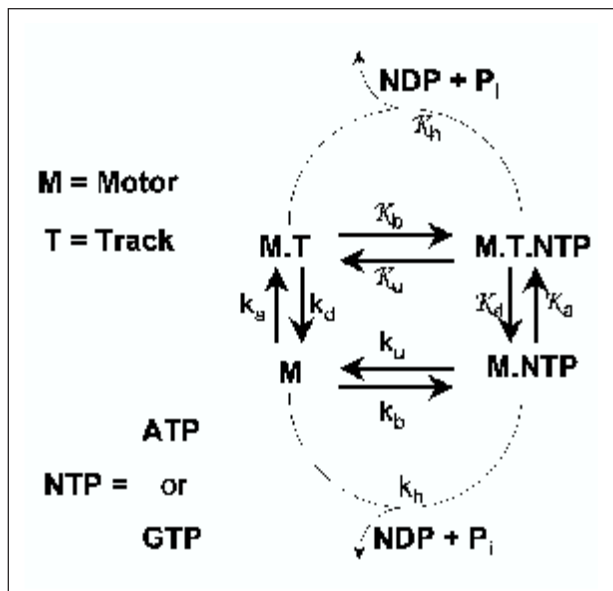
**39 Natural Nano-Machines**

*Discussion on Methods, Materials and Mechanisms*  
Debashish Chowdhury

**59 Gödel’s Proof**

*An Introduction to Mathematical Logic*  
S M Srivastava





**REFLECTIONS**

**71 Integrative Microbiology – The Third Golden Age**  
Moselio Schaechter

**Front Cover**



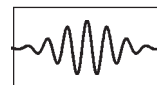
The minute difference in the temperature of the microwave background radiation in different parts of the sky as measured by COBE. (See article on p.4) (Courtesy: NASA)

**Back Cover**



P R Halmos  
(1916 – 2006)  
(Illustration: Subhankar Biswas)

**DEPARTMENTS**



**Editorial** **01**  
*S Mahadevan*



**Classics**  
The Thrills of Abstr- **83**  
action  
*P R Halmos*



**Information and**  
**Announcements**

Refresher Course in **96**  
Experimental Physics

Refresher Course on **97**  
Advanced in Biophysics

IISc Young Science **98**  
Fellowship Programme

**Inside Back Cover**

Flowering Trees  
(Credit: K Sankara Rao, IISc,  
Bangalore)

