

# **Magnetic fields and large-scale Structure in the Universe**

by  
*Rajesh Gopal*

**A Thesis submitted to the  
Jawaharlal Nehru University  
for the Degree of  
Doctor of Philosophy**

2005

*Raman Research Institute  
Bangalore 560 080  
India*

# *Certificate:*

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This is to certify that the thesis entitled “Magnetic fields and large-scale Structure in the Universe” submitted by Rajesh Gopal for the award of the degree of Doctor of Philosophy of Jawaharlal Nehru University is his original work. This has not been published or submitted to any other University for any other Degree or Diploma.

Prof. N. Kumar

(Center Chairperson)

Director

Raman Research Institute

Bangalore 560 080 INDIA

Dr. Shiv K. Sethi

(Thesis Supervisor)

# *Declaration:*

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I hereby declare that the work reported in this thesis is entirely original. This thesis is composed independently by me at Raman Research Institute under the supervision of Dr. Shiv K. Sethi. I further declare that the subject matter presented in this thesis has not previously formed the basis for the award of any degree, diploma, membership, associateship, fellowship or any other similar title of any university or institution.

(Dr. Shiv K. Sethi)

(Rajesh Gopal)

Astronomy & Astrophysics Group

Raman Research Institute

Bangalore 560 080 INDIA

# Acknowledgements:

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