

# MURJ Journal

Massachusetts Institute of Technology Undergraduate Research Journal

## Table of Contents

Volume 7 Fall 2002

### MIT News in Review

- 3 Biological Sciences
- 5 Bioengineering
- 6 Physical Sciences
- 7 Cognitive Sciences

### World Science News in Review

- 9 Physical Sciences
- 9 Technology
- 10 Biological Sciences

### Features

- Aadel Chaudhuri*  
13 Saving the Earth: Dealing with Global Warming
  
- Izzat Jarudi*  
17 The Role of Online News in Mass Media
  
- Martin Kurtev*  
23 Women and Their Impact on Global Population

### Reports

- David Foxe*  
29 Production and Reproduction; Architecture and Music
  
- Cari Rottenberg and Sisi Liu*  
33 The Mobil Speedpass and Mobile Commerce
  
- Michael David Sekora*  
39 Potential Well Structure Associated with the Periodically Oscillating Plasma Sphere (POPS)

# MIT

## UNDERGRADUATE RESEARCH JOURNAL

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Welcome to the Fall 2002 issue of the MIT Undergraduate Research Journal. In this seventh issue of *MURJ*, we present diverse research reports, in fields ranging from architecture and music to particle physics, in hopes that our readers will delve into the world of the scientific unknown. Within these pages, we also include features examining topics such as control of population growth and the effect of the Internet on methods of news distribution.

Our reports and features, as always, are written in such a manner as to make them accessible to all members of the MIT community. We hope that this interdisciplinary journal will provide an opportunity for our readers to learn of research in disciplines other than their own. We also hope that this journal will serve as a forum for debate and discovery, through which our readers may access arguments relating to the intersection of scientific research and public policy.

We extend our profound gratitude to those who make this goal possible. We acknowledge the advice and assistance of our advisor, Dean Les Perelman, the professors who review our work, and the continued support of *The Tech*. We would also like to thank Dean Larry Benedict and the many academic departments at MIT, as well as the UROP and RLSLP offices, for their financial support of *MURJ* this semester, which made this publication possible.

If what you read piques your interest, we invite your input for the Spring 2003 issue — to either join the *MURJ* team or to submit reports on your own research. Submissions will be due by the beginning of February 2003. Please e-mail [murj-public@mit.edu](mailto:murj-public@mit.edu) or visit our website, <http://web.mit.edu/murj/www>, if you have any other questions or comments.

—The Editors of *MURJ*