# DOSE-RESPONSE

## Table of Contents

Commentary on Fukushima and Beneficial Effects of Low Radiation  
*Jerry M. Cuttler* ......................................................... 432

A Comparison of *in vivo* Cellular Responses to Cs-137 Gamma Rays and 320-kV X-rays  
*B. R. Scott, K. M. Gott, C. A. Potter, J. Wilder* .............................. 444

Low-Dose γ-Irradiation Affects the Survival of Exposed *Daphnia* and their Offspring  
*Elena I. Sarapultseva and Anton I. Gorski* .................................. 460

The Historical Use of Radiotherapy in the Treatment of Sinus Infections  
*Edward J. Calabrese and Gaurav Dhawan* ..................................... 469

Linear No-Threshold Model vs. Radiation Hormesis  
*Mohan Doss* ................................................................. 480

Ultra-violet Light Emission from HPV-G Cells Irradiated with Low LET Radiation from $^{90}$Y; Consequences for Radiation Induced Bystander Effects  
*Syed Bilal Ahmad, Fiona E. McNeill, Soo Hyun Byun, William V. Prestwich, Carmel Mothersill, Colin Seymour, Andrea Armstrong, Cristian Fernandez* ............... 498

EPA’s Stage 2 Disinfection Byproducts Rules (DBPR) and Northern Kentucky Water: An Economic and Scientific Review  
*Hugh Henry* ........................................................................... 517

Association of Hypertension Mortality Rates with Geographic Concentrations of Chiropractors and Medical Doctors in the U.S., 2008  
*John Hart* ............................................................................. 543

Low Doses of Tetracycline Trigger the *E. coli* Growth: A Case of Hormetic Response  
*Luciana Migliore, Alice Rotini, Maria Cristina Thaller* .......................... 550

Transcript Expression Patterns Illuminate the Mechanistic Background of Hormesis in *Caenorhabditis elegans* Maupas  
*Christian E. W. Steinberg, Kerstin Pietsch, Nadine Saul, Stefanie Menzel, Suresh C. Swain, Stephen R. Stürzenbaum, Ralph Menzel* ................................. 558