

Contents

Editorial

- 295 **In silico human model for fluid-initiated indoor environmental design**
K. Ito

Original Papers

- 298 **Influence of energy demand response actions on thermal comfort and energy cost in electrically heated residential houses**
B. Alimohammadisagvand, S. Alam, M. Ali, M. Degefa, J. Jokisalo and K. Sirén
- 317 **Assessment of radiation hazards due to exposure to radionuclides in marble and ceramic commonly used as decorative building materials in Egypt**
N. M. Hassan, N. A. Mansour, M. Fayed-Hassan and S. Fares
- 327 **Mapping of indoor radon survey and dose estimations in health centres in Turkey**
N. Damla, A. Kara, E. Tel and C. M. Yesilkanat
- 337 **Indoor air particulate matter exposure of commuter bus passengers in Istanbul, Turkey**
S. S. Keskin and E. Dilmac
- 347 **The use of genetic algorithm and self-updating artificial neural network for the inverse design of cabin environment**
T.-h. Zhang and X.-y. You

- 355 **Numerical and experimental investigation of the influence of infrared reflective interior surfaces on building temperature distributions**
A. Joudi, M. Cehlin, H. Svedung, M. Rönnelid and B. Moshfegh
- 368 **Assessment of radon concentration and heavy metal contamination in groundwater samples from some areas of Fazilka district, Punjab, India**
A. Kumar, S. Narang, R. Mehra and S. Singh
- 375 **Rising residential energy consumption and GHG emissions in Malaysia: A case study of public low-cost housing projects in Kuala Lumpur**
S. M. Zaid and P. Graham
- 392 **Investigating wintertime pedestrian wind environment and user perception in dense residential neighbourhood in a city of hot-summer and cold-winter climate zone, China**
F. Yang
- 409 **Thermal performance evaluation of a mineral-based cement tile as roofing material**
D. E. V. S. K. Kumar and S. Puranik
- 422 **A quantitative method to detect the ventilation paths in a mountainous urban city for urban planning: A case study in Guizhou, China**
S. L. Chen, J. Lu and W. W. Yu