



An Entropic Approach to Burnout in the Management of a Kitchen Staff Team

Rui Lima^{ID}, Florentino Fdez-Riverola^{ID}, António Capita^{ID},
Isabel Borges^{ID}, Henrique Vicente^{ID}, and José Neves^{ID}

Abstract Job satisfaction is an important factor in hospitality industry, figuratively, its chimera. A concept has not a single cause; rather, it is the product of elements such as conditions and relationships that determine the workplace, the organizational system of employment, and social, cultural, and economic uncertainties. For example, and as its antonym, Maslach defined burnout “*as a psychological syndrome involving*

R. Lima .A. Capita J. Neves

Instituto Politécnico de Saúde do Norte, CESPU, Famalicão, Portugal
e-mail: rui.lima@cespu.pt

J. Neves
e-mail: jneves@di.uminho.pt

R. Lima .F. Fdez-Riverola
Departamento de Informática, ESEI-Escuela Superior de Ingeniería Informática, Universidad de Vigo, Campus Universitario As Lagoas, Ourense, Spain
e-mail: riverola@uvigo.es

F. Fdez-Riverola
SING Research Group, Galicia Sur Health Research Institute (IIS Galicia Sur), SERGAS-UVIGO, Pontevedra, Spain

A. Capita
IINFACTS-Institute of Research and Advanced Training in Health Sciences and Technologies, Department of Sciences, University Institute of Health Sciences (IUCS), CESPU, 4585-116 Gandra, CRL, Portugal

I. Borges
Centro de Investigação, Desenvolvimento e Inovação do Instituto de Estudos Superiores de Fafe (CIDI-IESF), CEGOT; REMIT, Porto, Portugal
e-mail: isabelborges@iesfafe.pt

H. Vicente (✉)
Departamento de Química e Bioquímica, Escola de Ciências e Tecnologia, REQUIMTE/LAQV, Universidade de Évora, Évora, Portugal
e-mail: hvicente@uevora.pt

H. Vicente J. Neves
Centro Algoritmi, Universidade do Minho, Braga, Portugal

emotional exhaustion, depersonalization, and a diminished sense of personal accomplishment that occurred among various professionals who work with other people in challenging situations”. This multidimensional approach describes the plight of a three-dimensional concept that is derived empirically, has a similarity with stress, adds an important social dimension to emotional issues such as *exhaustion, depersonalization, and challenging situations*, i.e., there is the perception that *the entropic state* that each kitchen staff team member conveys is relevant for an appropriate personnel management of the *kitchen staff team*, and mirrors the social dimension that is object of study in this work.