# The Impact of Digitalization on Current Marketing Strategies

# MARKETING & TECHNOLOGY: NEW HORIZONS AND CHALLENGES

Series Editor: Luis Matosas-López

The MTNHC series aims to provide multidisciplinary references for researchers, instructors, and professionals interested in the most up-to-date research on the challenges connected with the expanding ground of digitalization and marketing.

# The Impact of Digitalization on Current Marketing Strategies

EDITED BY
LUIS MATOSAS-LÓPEZ



Rey Juan Carlos University, Spain



Emerald Publishing Limited Emerald Publishing, Floor 5, Northspring, 21-23 Wellington Street, Leeds LS1 4DL

First edition 2024

Editorial matter and selection © 2024 Luis Matosas-López. Individual chapters © 2024 The Authors. Published under exclusive licence by Emerald Publishing Limited.

#### Reprints and permissions service

Contact: www.copyright.com

No part of this book may be reproduced, stored in a retrieval system, transmitted in any form or by any means electronic, mechanical, photocopying, recording or otherwise without either the prior written permission of the publisher or a licence permitting restricted copying issued in the UK by The Copyright Licensing Agency and in the USA by The Copyright Clearance Center. Any opinions expressed in the chapters are those of the authors. Whilst Emerald makes every effort to ensure the quality and accuracy of its content, Emerald makes no representation implied or otherwise, as to the chapters' suitability and application and disclaims any warranties, express or implied, to their use.

#### **British Library Cataloguing in Publication Data**

A catalogue record for this book is available from the British Library

ISBN: 978-1-83753-687-0 (Print) ISBN: 978-1-83753-686-3 (Online) ISBN: 978-1-83753-688-7 (Epub)



# **Contents**

List of Figures and Tables	
List of Abbreviations	ix
List of Contributors	xi
Preface	xiii
Acknowledgments	xv
Chapter 1 Strategic Implications of Chatbots in Marketing: Exploring Applications and Factors of Customer Acceptance Giulia Pavone and Kathleen Desveaud	1
Chapter 2 Sensorial Customer Experiences in Online Touchpoints  Larissa Becker and Eduardo Rech	19
Chapter 3 How to Create a Fave and Catch the Fake: Generative Adversarial Networks in Marketing  Mousumi Bose, Lilly Ye and Yiming Zhuang	39
Chapter 4 Online Store Selection: Identifying the Constructs Paulo Botelho Pires and José Duarte Santos	57
Chapter 5 Pricing 360°: A Paradigm Shift in the Way Pricing Is Managed in the Digital Economy  Anett Erdmann	79
Chapter 6 Introducing the Service Robot Innovation Canvas Chelsea Phillips, Marc Becker, Gaby Odekerken-Schröder and Dominik Mahr	97

Chapter 7 Social Media Marketing: Adoption, Strategies, Approaches, Audience Behavior, and Content for Political Marketing Aman Abid and Sanjit K. Roy	117
Chapter 8 The Importance of Customer Relationship Management Systems to Business Management and Marketing Strategies Luis Matosas-López	131
Chapter 9 Safeguarding Privacy: Ethical Considerations in Data-Driven Marketing  Alex Deslée and Julien Cloarec	147
Chapter 10 Artificial Intelligence and the Perspective of Value Creation: Present Research Focus and Future Directions  Kunjan Rajguru	163
Chapter 11 The Importance of Corporate Digital Responsibility in a Digital Service World  Werner Kunz, Jochen Wirtz, Nicole Hartley and James Tarbit	183
Chapter 12 Influence Marketing on Social Media: The Reputation Change After a Corporate or Referral Brand Crisis Ângela Cunha and Beatriz Casais	195
Chapter 13 Navigating the Digital Era: Exploring Consumer Behavior Across Multiple Channels: A Review and Research Agenda Paula Rodríguez-Torrico, Sonia San-Martín and Rebeca San José Cabezudo	211
Index	231

# **List of Figures and Tables**

Chapter 2		
Fig. 2.1.	The process of Triggering Sensorial Experiences in Online Touchpoints.	30
Chapter 5		
Fig. 5.1.	The Impact of Digitalization and Technology in Price Management.	83
Chapter 6		
Fig. 6.1.	The Service Robot Innovation Canvas.	105
Chapter 10		
Fig. 10.1.	SPAR-4-SLR Diagram of the Study.	168
Fig. 10.2.	Artificial Intelligence Service Ecosystem Macrovalue Enablement Framework.	173
Chapter 11		
Fig. 11.1.	Corporate Digital Responsibility Life Cycles of Technology and Data.	186
Fig. 11.2.	The Digital Service Ecosystem Model.	186
Fig. 11.3.	A Service Firm's Corporate Digital Responsibility (CDR) Calculus.	188
Fig. 11.4.	Factors Shaping Corporate Digital Responsibility (CDR) in Service Firms.	189
Chapter 13		
Fig. 13.1.	Consumer Behavior Evolution Regarding Channels since Internet Development.	214
Fig. 13.2.	The Continuum of Channel Mix.	215

Chapter 2		
Table 2.1.	Challenges in Triggering Sensorial Experiences in Online Touchpoints.	24
Table 2.2.	Routes to Triggering Sensorial Experiences in Online Environments.	29
Table 2.3.	Checklist for Organizations: How to Trigger Sensorial Experiences Online.	32
Chapter 4		
Table 4.1.	Consumer Behavior Models and Customer Journeys.	59
Chapter 5		
Table 5.1.	Executive Summary of Implications for Price Management.	89
Chapter 6		
Table 6.1.	Key Differences Between Academic and Gray Literature.	99
Table 6.2.	Future Research Directions.	108
Chapter 8		
Table 8.1.	ARIMA Model Fit Statistics.	139
Table 8.2.	ARIMA Model Parameters.	139
Chapter 9		
Table 9.1.	Ethical Reference Framework Adapted to a Privacy Audit.	157
Chapter 10		
Table 10.1.	Research Focus.	170
Table 10.2.	Type of Industries.	171
Table 10.3.	Research Methodologies and Approaches.	172
Chapter 13		
Table 13.1.	Identified Differences Between Multi-, Cross- and Omnichannel Concents	215

### **List of Abbreviations**

AI Artificial Intelligence

AIaaS Artificial Intelligence-As-A-Service

ALICE Artificial Linguistic Internet Computer Entity

API Application Programming Interface

AR Augmented Reality

ARIMA Autoregressive Integrated Moving Average

B2B Business to Business

CAI Conversational Artificial Intelligence
CDR Corporate Digital Responsibility

CEO Chief Executive Office

CRMs Customer Relationship Management
CSR Corporate Social Responsibility

CX Customer Experience

DL Deep Learning

ECT Expectation Confirmation Theory

EDI Electronic Data Interchange

GANs Generative Adversarial Networks

GDP Gross Domestic Product

GDPR General Data Protection Regulation

ICTs Information and Communication Technologies

IFC International Finance Corporation

IMF International Monetary Fund

IoS Internet of Senses IoT Internet of Things

ITs Information Technologies
KPIs Key Performance Indicators
LLMs Large Language Models
Martech Marketing Technology
ML Machine Learning

#### x List of Abbreviations

NLP Natural Language Processing

NLU Natural Language Understanding

PDA Personal Digital Assistant

PMT Protection Motivation Theory R&D Research and Development RMSD Root Mean Square Deviation

ROI Revenue on Investment

Sales Technology SD Standard Deviation

SDGs Sustainable Development Goals
SLR Systematic Literature Review
SMEs Small Medium Size Enterprises
TAM Technology Acceptance Model

TC Theoretical Construct

TPB Theory of Planned Behavior TRA Theory of Reasoned Action

UN United Nations VR Virtual Reality

ZMO Zero Moment of Truth

#### **List of Contributors**

Aman Abid Lahore University of Management Sciences,

Pakistan

Larissa Becker CERS – Centre for Relationship Marketing

and Service Management, Department of Marketing, Hanken School of Economics,

Finland

Marc Becker Maastricht University, The Netherlands

Mousumi Bose Fairfield University, USA

Beatriz Casais University of Minho, School of Economics

and Management, Portugal; CICS.NOVA.UMinho, Portugal

Julien Cloarec iaelyon School of Management, University

Jean Moulin Lyon 3, France; Magellan,

France

Angela Cunha University of Minho, School of Economics

and Management, Portugal

Alex Deslée IAE Lille University School of Management,

University of Lille, France; LUMEN, France

Kathleen Desveaud Kedge Business School, France

Anett Erdmann ESIC University, Spain

Nicole Hartley University of Queensland, Australia

Werner Kunz University of Massachusetts Boston, USA
Dominik Mahr Maastricht University, The Netherlands
Luis Matosas-López Rey Juan Carlos University, Spain

Gaby Odekerken-Schröder Maastricht University, The Netherlands

Giulia Pavone Kedge Business School, France

Chelsea Phillips Maastricht University, The Netherlands

Paulo Botelho Pires CEOS.PP, Portugal

#### xii List of Contributors

Kunjan Rajguru Institute of Management, Nirma University,

India

Eduardo Rech Instituto Federal do Rio Grande do Sul,

**Brazil** 

Paula Rodríguez-Torrico Universidad de Burgos, Spain

Sanjit K. Roy The University of Western Australia,

Australia

Rebeca San José

Cabezudo Universidad de Valladolid, Spain Sonia San-Martín Universidad de Burgos, Spain

José Duarte Santos CEOS.PP/ISCAP/Polytechnic of Porto,

Portugal

James Tarbit University of Queensland, Australia

Jochen Wirtz National University Singapore, Singapore

Lilly Ye Frostburg State University, USA Yiming Zhuang Frostburg State University, USA

### **Preface**

In the ever-evolving business landscape, a profound transformation has swept across industries, reshaping the way organizations connect with their audiences and redefining their presence in the market. This transformation, driven by digitalization, has ushered in an era of change and opportunity. In the pages of *The Impact of Digitalization on Current Marketing Strategies* you will discover what many of these changes have been and what opportunities they present.

In this era of technological progression, the business scene has shifted radically. As we find ourselves immersed in this digital wave with intricate threads of data, connectivity, and innovation, it is imperative to understand the profound impact of this digitalization on the realm of marketing strategies.

Digitalization, in its broadest sense, has contributed to the rise of electronic transactions over the internet, the creation of new business models, and even the construction of a new paradigm of customer experience. In fact, according to many experts, digitalization has been the most transformative force in marketing ever. It has changed consumption habits, consumer behavior, and buying processes. But it has also changed marketing strategies, offering a wide range of mechanisms that allow companies of all types and sizes to improve their commercial actions.

The impact of digitalization on marketing strategies is a dynamic and changing field of study, and *The Impact of Digitalization on Current Marketing Strategies* provides a comprehensive exploration of this epic paradigm shift. This book is a guiding compass for researchers and practitioners interested in the latest challenges associated with the expanding frontiers of digitalization and marketing, as well as for anyone curious about the interplay between these two disciplines. But this title not only acknowledges the complexity and importance of bridging the disciplines of digitalization and marketing, but also satisfies the reader's need to approach this topic from a strategical perspective.

The 13 chapters in this book reflect the experiences of 29 authors from 18 universities in 12 different countries and cover a wide range of topics. These topics include the rise of social media as a marketing tool, customization of the online user experience, online store selection determinants, pricing strategies in the digitalization era, privacy and ethical considerations in the digital setting, the use of CRM solutions for customer-centric strategies, the importance of corporate digital responsibility, the role of social media influencers during a brand crisis, the use of AI and chatbots to interact with customers, or the importance of omnichannel marketing strategies today.

#### xiv Preface

Nevertheless, at the core of our exploration is a fundamental question. As digitalization increases, successful marketing strategies depend on our ability to adapt, innovate, and anticipate. Thus, *The Impact of Digitalization on Current Marketing Strategies* is more than just a compilation of insights; this book invites readers to embrace the limitless horizons of digital possibilities and guides them to navigate the intricate maze of marketing strategies with intelligence.

As you embark on this journey, prepare to witness the fusion of technology and marketing. Let the pages of this book illuminate the corners of your own course in the seas of modern marketing, pushing boundaries, shifting perspectives, and revealing the profound impact of digitalization on marketing strategies.

Luis Matosas-López Rey Juan Carlos University

## **Acknowledgments**

I wish to express my sincere gratitude for the support and encouragement of my family members and friends. I am deeply indebted to the editorial team at Emerald for their patience, constant encouragement, and invaluable assistance, throughout the process. I would like to thank all the contributing authors for making this book possible. Finally, I also want to thank the reviewers who invested their valuable time in improving the submissions and the overall quality of the book.

Luis Matosas-López Rey Juan Carlos University