Contents

IX Preface
Serup, J. (Copenhagen); Kluger, N. (Helsinki); Bäumler, W. (Regensburg)

The Tattooed and the Social Environment

1 The Cultural Heritage of Tattooing: A Brief History
Krutak, L. (Washington, D.C.)

6 Epidemiology of Tattoos in Industrialized Countries
Kluger, N. (Helsinki)

The Practise of Tattooing

21 Tattoo Machines, Needles and Utilities
Rosenkilde, F. (Copenhagen)

31 The Technique and Craftsmanship of Tattooing in the Professional Tattoo Parlour
Kristensen, L. (Sorø)

37 Tattoo as Art, the Drivers Behind the Fascination and the Decision to Become Tattooed
Kierstein, L. (Copenhagen); Kjelskau, K.C. (Oslo)

41 Personal Records from My Tattoo Parlour: Deep Emotions Drawn as Life-Long Pictures on the Skin’s Canvas
Kierstein, L. (Copenhagen)

45 Tattooist-Customer Relationships in a Diversified Environment of Professional Tattooists and ‘Scratchers’
Wedel Kristensen, M. (Copenhagen)

Tattoos and Adverse Events

48 Tattoo Complaints and Complications: Diagnosis and Clinical Spectrum
Serup, J.; Hutton Carlsen, K.; Sepehri, M. (Copenhagen)

61 Complications of Cosmetic Tattoos
De Cuyper, C. (Brugge)

71 Chronic Tattoo Reactions Cause Reduced Quality of Life Equaling Cumbersome Skin Diseases
Hutton Carlsen, K.; Serup, J. (Copenhagen)
76 Contraindications for Tattooing
   Kluger, N. (Helsinki)

88 Laser Tattoo Removal, Precautions, and Unwanted Effects
   Eklund, Y.; Troilius Rubin, A. (Malmö)

97 Nano-Scale Observations of Tattoo Pigments in Skin by Atomic Force Microscopy
   Grant, C.A.; Twigg, P.C.; Tobin, D.J. (Bradford)

   Manufacturing, Materials and Properties of Marketed Tattoo Ink Stock Products

103 Manufacturing of Tattoo Ink Products Today and in Future: Europe
   Michel, R. (Neuburg am Rhein)

112 The Realistic Variables Underlying True Safety in Tattoo Pigment Manufacturing
   Barth, M. (Hackensack, N.J.)

118 Making Innovative Tattoo Ink Products with Improved Safety: Possible and Impossible Ingredients in Practical Usage
   Dirks, M. (Esslingen)

128 Tailored Surface Engineering of Pigments by Layer-by-Layer Coating
   Dähne, L.; Schneider, J.; Lewe, D.; Petersen, H. (Berlin)

   Ingredients, Chemical Analysis and Safety of Marketed Tattoo Ink Stock Products

136 Chemical Purity and Toxicology of Pigments Used in Tattoo Inks
   Petersen, H.; Lewe, D. (Berlin)

142 Survey on European Studies of the Chemical Characterisation of Tattoo Ink Products and the Measurement of Potentially Harmful Ingredients
   Agnello, M.; Fontana, M. (Grugliasco)

152 Tattoo Inks: Legislation, Pigments, Metals and Chemical Analysis
   Prior, G. (Bielefeld)

158 The Challenges and Limitations of Chemical Analysis of Particulate Pigments of Very Low Solubility
   Olsen, O. (Vedbaek)

164 Photostability and Breakdown Products of Pigments Currently Used in Tattoo Inks
   Hauri, U.; Hohl, C. (Basel)

170 Carbon Black Nanoparticles and Other Problematic Constituents of Black Ink and Their Potential to Harm Tattooed Humans
   Jacobsen, N.R.; Clausen, P.A. (Copenhagen)

176 Absorption, Distribution, Metabolism and Excretion of Tattoo Colorants and Ingredients in Mouse and Man: The Known and the Unknown
   Bäumler, W. (Regensburg)

185 Towards the Limiting of Health Risks Associated with Tattooing: Whitelists for Tattoo Pigments and Preservatives
   Blume, A.; Platzek, T.; Vieth, B.; Hutzler, C.; Luch, A. (Berlin)

190 Survey of Studies on Microbial Contamination of Marketed Tattoo Inks
   Bonadonna, L. (Rome)
Regulation of and Intervention in the Tattoo Business

196 The European Landscape of National Regulations of Tattoo Inks and Businesses
Laux, P.; Luch, A. (Berlin)

Renzoni, A.; Pirrera, A.; Novello, F.; Diamante, M.S.; Guarino, C. (Rome)

206 EU Actions to Ensure the Safety of Tattoos and the Protection of Consumers
Blass Rico, A.M. (Brussels)

210 Surveillance of Tattoo-Related Adverse Events by the EU RAPEX System and by National Monitoring
Verdier, C. (Marines)

218 The Amsterdam Model for Control of Tattoo Parlours and Businesses
Veenstra, T. (Amsterdam)

223 Hygiene Standards for Tattooists
Schmidt, A. (Willich-Neersen)

228 Hygiene Standards in the Tattoo Parlour and Practices for Prevention of Infection
Bergström, J. (Åkersberga); Bodlund, M. (Helsingborg)

236 Seamless Prevention of Adverse Events from Tattooing: Integrated Strategy Emphasising the Customer-Tattooist Interaction
Serup, J. (Copenhagen)

248 Regulation of Tattoo Ink Production and the Tattoo Business in the US
Haugh, I.M.; Laumann, S.L.; Laumann, A.E. (Chicago, Ill.)

253 Author Index

254 Subject Index