

谭见安 等编著

Edited by Tan Jian'an, etc.



ON SCIENCES OF
HOT SPRING TOURISM

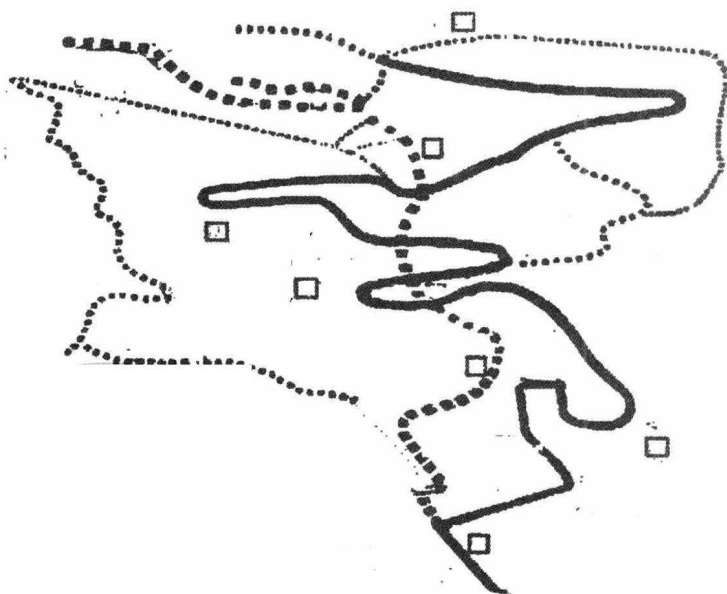
温泉旅游之科学

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ON SCIENCES OF HOT SPRING TOURISM

谭见安 等编著

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前 言

温泉是天赐之物，是一种特异的水资源。它的特异在于：首先，它埋藏较深，或靠近熔岩热源，因而具有温暖高热，或相对稳定、不随气温而变化的温度特征；其次，温泉水与普通水相比，其中常富含某些对健康有益的特异矿物质成分或元素；第三，由于其埋藏条件的不同，其出露的方式也不一样，如有：涌泉、沸泉、喷泉、响泉等奇特出露景观，引人入胜，具有很强的观赏性；第四，温泉所在地常与优美特异的自然景观，或奇特的温泉文化和人文景观相结合，相得益彰，使其旅游功能倍增而独特。可见，温泉是一种具有多功能、多用途的天然水资源。它最初用于洗浴，其后用于疗养保健，随着旅游业的兴起与发展，一般性的观光旅游向特色旅游发展，温泉旅游成为特色旅游业的一朵奇葩，异军突起，发展势头强劲。温泉旅游是指以感受温泉沐浴文化为主体，将观光赏景、养生保健、美容健体、舒心怡情、娱乐餐饮、休闲度假和商贸会展融为一体的时尚多功能综合性旅游产业。温泉的旅游功能是与温泉的保健功能相关联的，温泉旅游是在温泉保健基础上的进一步发展与提升。因此，温泉的保健功能是温泉旅游的重要特色之一。应该说，温泉旅游及其产业是一个既古老又全新的课题，特别在我们中国更是如此。早在秦汉之前就已用之于洗浴与观赏，但作为一种现代综合性特色旅游产业对大部中国地区而言，其兴起是20世纪80、90年代及其以后之事。显然，温泉旅游其所具特色和发展基础是温泉资源的特性，及对其旅游与保健功能的科学认识和合理开发利用。有关业者希望并建议我们能编著一书，就其有关的科学专业知识进行系统介绍与论述，为温泉旅游的开发、管理者、经营服务者，以及广大消费者对温泉旅游与保健的科学知识提供一个比较系统完整的概念和认识，并为有关院校旅游专业提供教学参考。为此我们在广泛阅读了有关资料和深入思考之后选出以下10个方面的问题，作为本书撰写的主要内容：

- ①温泉的形成。
- ②温泉资源的性质。
- ③温泉资源的类型。
- ④温泉资源的地理分布规律。
- ⑤温泉景观资源的结构、类型与旅游功能。
- ⑥温泉与温泉景观的养生保健功能。
- ⑦温泉理化性质的测定项目与方法。
- ⑧温泉旅游资源的评估与开发利用。
- ⑨中国和世界温泉资源的区域特征和差异。
- ⑩中国和世界温泉旅游与保健的历史发展和展望。

这10个方面相互联系，构成了认识和了解温泉资源及温泉旅游与保健知识的一个独特系统，即温泉旅游与保健地学（Geoscience for Hot Spring Tourism and Health Care）。在本书中拟将其分为四部分进行论述：第一部分，绪论：有关温泉、温泉资源的概念，温

泉旅游资源的理念与内涵等；第二部分，即第一篇，总论：有关温泉、温泉旅游、温泉保健的基本内容；第三部分，即第二篇，区论 1，中国温泉旅游与保健；第四部分，即第三篇，区论 2，世界温泉旅游与保健。最后两部分主要是关于温泉旅游与保健的地理学问题，也就是它们的地域特征。全书共 20 章。

本书的特色，首先是对温泉、温泉资源、温泉旅游资源的概念或理念作了较明确的论述与界定；其次，对温泉的形成、类型与地理分布规律作了比较系统的介绍；第三，对温泉资源特性的旅游与保健功能进行了分析，比较系统地介绍了温泉水中一些生命元素的生物学功能，以有助于对温泉保健作用的认识与理解；第四，较全面系统地介绍了中国各省、直辖市、自治区以及世界各洲主要国家的温泉旅游资源的分布、特点及其开发特色与发展前景。温泉水理化性质的分析与监测，是温泉开发与日常运行不可缺少的一个程序，本书系统介绍了有关测试方法，列于附录，可供了解、选择和使用。

本书主编谭见安，副主编王五一、杨林生。作者：绪论，第 2、3、4 章为谭见安；第 1 章为雒昆利；第 5 章为谭见安、杨林生；第 6 章为李日邦、王五一；第 7 章及附录为王丽珍；第 8、9、15、16 章为李日邦；第 10、11、12、19、20 章为侯少范；第 13、17、18 章为朱文郁；第 14 章为李日邦、朱文郁。目录与前言英文翻译杨林生、叶必雄、韦炳干。

温泉旅游与保健的研究将会随着开发实践的广泛开展得到不断充实和完善，并为温泉产业的发展发挥更好的作用。

由于编著者水平有限，加之又无类似著作的先例可参考，错误和不妥之处在所难免，敬希读者不吝指正。

Preface

Hot spring is a specific water resource. It is a godsend for human. The unique characteristics of hot spring include: firstly, the water temperature is higher and relatively constant without the changing of air temperature because of deep burial and closed to heat source of lava; secondly, compared with normal water, the water of hot spring often contains some mineral substances and elements which are beneficial to human health; thirdly, the outcrop models (such as estavel, boiling spring, fountain, and so on) of hot spring are diverse because of different buried conditions. They are fascinating and appreciable; finally, the locations of hot springs are often combined with graceful and specific natural landscapes or specific hot spring cultures and human landscapes. These features bring out the best in each other. They also greatly improve the tourism functions of hot springs. Thus, it can be seen that hot spring is a natural water resource with multifunction and multipurpose. Initially, hot spring was used for bathing. Then, it was used for recuperation and health care. At present, the normal sightseeing tour has been expanded to a characteristic tour with the development of tourism. Hot spring tourism has become an important component of characteristic tourism. It is emerging and developing powerfully in recent years. Experience the bathing and culture of hot spring are the main purposes of hot spring tourism. It is also a convergence of sightseeing, health preservation and health care, hairdressing and fitness, relaxation and pleasure, recreation and catering, leisure, business conferences and exhibitions. Therefore, hot spring tourism is a fashionable, multifunctional and integrated tourist industry. The tourism functions of hot spring are related to the health care function. Hot spring tourism is developing and elevated based on its health care. For this reason, health care function is one important characteristic of hot spring tourism. It should be mentioned that hot spring tourism is both an old and modern topic, particularly in China. Hot spring had been used for bathing and sightseeing in China before the Qin and Han Dynasties. It became a modern and integrated tourist industry until the 1980s to 1990s. Obviously, the features and basis of hot spring tourism are the characteristics of hot spring resources. The tourism functions and health care functions should be based on scientific understanding and reasonable development and application. Many practitioners related to hot spring tourism hope and suggest us to compile a monograph which systematically introduces and discusses the scientific and professional knowledge of hot spring tourism. The monograph can provide systematic and integrated concepts and cognitions related to tourism and health care of hot spring for the developers, managers, operators, servers, consumers of hot spring tourism. For these reasons, we selected 10 themes as the main contents of this

monograph based on widely reading related literatures and thoroughly thinking. The main contents include:

- ①Formation of hot spring
- ②Characteristics of hot spring
- ③Categories of hot spring
- ④Regularities of geographic distribution of hot spring resources
- ⑤Structures, categories, and tourist functions of hot spring landscape resources
- ⑥Health preservation and health care functions of hot springs and hot spring landscapes
- ⑦Determined items and methodologies of physicochemical property of hot spring
- ⑧Assessment, development and application of hot spring tourism resources
- ⑨Regional characteristics and differences of hot spring resources in China and in the world
- ⑩Historical development of tour and health care of hot spring in China and in the world

The 10 themes are interassociation. They compose a unique system, namely Geoscience for Hot Spring Tourism and Health Care, which can make the readers to understand the knowledge of hot spring resources, hot spring tourism and health care. This book is divided into four sections. First section: introduction. The concepts of hot spring and hot spring resources, the concepts and connotations of hot spring tourism resources were introduced. Second section: fundamental principles. Basic scientific facts and issues of hot spring, hot spring tourism, and health care of hot spring were discussed. Third section: regional discussion, Part 1. Hot spring tourism and health care in China were discussed. Fourth section: regional discussion, Part 2. Hot spring tourism and health care over the world were discussed. The third and the fourth sections mainly discussed the geographic issues or regional characteristics of hot spring tourism and health care. The book includes twenty chapters.

The characteristics of the monograph are listed as follow. First, the concepts of hot spring, hot spring tourism, and hot spring tourism resources were explicitly discussed and defined. Second, the formation, categories and geographic distributions of hot springs were systematically introduced. Third, the characteristics of tourist functions and health care functions of hot spring resources were analyzed. The biological functions of life elements in the water of hot springs were systematically discussed in this book. These can help the readers to understand the health care effects of hot springs. Fourth, the distributions, characteristics and development prospects of hot spring tourism resources in China and in main countries over the world were introduced. Analysis and monitoring of physicochemical property in water of hot spring are necessary during developing and daily operation of hot springs. The related methodologies were also clearly introduced in the book. The methodologies, which can be understood, selected and used, were listed in appendix.

The chief editor of the monograph is Jian'an Tan. The associate editors are Wuyi Wang and Linsheng Yang. Authors: introduction, the second, third, fourth chapters were written by Jian'an Tan; the first chapter was written by Kunli Luo; the fifth chapter was written by Jian'an Tan and Linsheng Yang; the sixth chapter was written by Ribang Li and Wuyi Wang; the seventh chapter and the appendix were written by Lizhen Wang; the eighth, ninth, fifteenth and sixteenth chapters were written by Ribang Li; the tenth, eleventh, twelfth, nineteenth and twentieth chapters were written by Shaofan Hou; the thirteenth, seventeenth and eighteenth were written by Wenyu Zhu; the fourteenth chapter was written by Ribang Li and Wenyu Zhu. English translation of content table and preface by Linsheng Yang.

The investigations of hot spring tourism and health care will be continually enriched and completed with widely development and practice of hot spring tourism. They will also play a better role in the development of hot spring tourism industry.

Mistakes and shortcomings may be unavoidable in this monograph because of limited levels of the authors and lack of related references. Any suggestions and correctings from the readers would be appreciated.

目 录

绪论	1
0.1 有关概念	1
0.2 温泉之资源观	3
0.3 温泉旅游理念和温泉旅游资源内涵	4
0.4 温泉旅游——保健之历史发展	5
0.5 温泉旅游与保健地学的性质、任务和研究内容	9

第一篇 总 论

第1章 温泉的形成与地质背景	12
1.1 温泉与大地构造	12
1.2 温泉与地层岩性	14
1.3 温泉的水文地质条件	15
1.4 温泉与火山	16
1.5 温泉形成的地质控制因素和地质条件	19
第2章 温泉的地理分布规律	24
2.1 温泉的地理分布模式	24
2.2 温泉资源分布的地学特征	24
第3章 温泉的类型与理化性质	30
3.1 温泉类型的划分	30
3.2 温泉的物理化学性质	36
第4章 温泉与养生保健	39
4.1 温泉的养生保健理念	39
4.2 温泉养生保健功能的科学原理	40
4.3 各类温泉的养生保健效用	45
4.4 温泉的几种主要保健功能	48
4.5 适于温泉疗养的疾病	50
第5章 温泉旅游与温泉景观	54
5.1 温泉景观的理念	54

5.2 景观分类	55
5.3 温泉景观的旅游功能与开发	58
第6章 温泉资源评价与开发利用	60
6.1 温泉主体资源评价	61
6.2 温泉背景资源评价	63
第7章 温泉理化性质的监测	67
附录：温泉理化性质的测定项目与方法	67

第二篇 中国温泉旅游与保健

第8章 华北地区温泉旅游与保健	94
8.1 北京市	94
8.2 天津市	97
8.3 河北省	99
8.4 山西省	102
8.5 内蒙古自治区	105
第9章 东北地区温泉旅游与保健	110
9.1 辽宁省	110
9.2 吉林省	113
9.3 黑龙江省	115
第10章 华东地区温泉旅游与保健	119
10.1 上海市	119
10.2 江苏省	119
10.3 安徽省	123
10.4 浙江省	126
10.5 福建省	129
10.6 江西省	132
10.7 山东省	137
10.8 台湾省	142
第11章 华中地区温泉旅游与保健	148
11.1 河南省	148
11.2 湖北省	151
11.3 湖南省	155

第 12 章 华南地区温泉旅游与保健	162
12.1 广东省	162
12.2 广西壮族自治区	167
12.3 海南省	172
12.4 香港特别行政区	176
12.5 澳门特别行政区	177
第 13 章 西南地区温泉旅游与保健	178
13.1 重庆市	179
13.2 四川省	183
13.3 贵州省	187
13.4 云南省	191
13.5 西藏自治区	195
第 14 章 西北地区温泉旅游与保健	203
14.1 陕西省	203
14.2 宁夏回族自治区	206
14.3 甘肃省	208
14.4 青海省	212
14.5 新疆维吾尔自治区	215

第三篇 世界温泉旅游与保健

第 15 章 亚洲	222
15.1 概述	222
15.2 东北亚	223
15.3 东南亚	229
15.4 南亚	232
15.5 中亚	232
15.6 西亚	233
第 16 章 欧洲	237
16.1 概述	237
16.2 东欧	238
16.3 南欧	239
16.4 中欧	242
16.5 西欧	247
16.6 北欧	249

第 17 章 北美洲	252
17.1 概述	252
17.2 加拿大	252
17.3 美国	254
17.4 墨西哥	257
17.5 其他国家	258
第 18 章 南美洲	261
18.1 概述	261
18.2 哥伦比亚	261
18.3 委内瑞拉	262
18.4 厄瓜多尔	262
18.5 秘鲁	263
18.6 巴西	264
18.7 玻利维亚	265
18.8 智利	266
18.9 阿根廷	266
18.10 乌拉圭	267
第 19 章 非洲	268
19.1 温泉资源概况	268
19.2 温泉和温泉景观的特性	269
19.3 温泉旅游与养生保健功能的开发利用方式、设施和特点	271
19.4 发展趋势和前景	273
第 20 章 大洋洲	275
20.1 温泉资源概况	275
20.2 温泉和温泉景观的特性	276
20.3 温泉旅游与养生保健功能的开发利用方式、设施和特点	278
20.4 发展趋势和前景	280

Contents

Introduction	1
0.1 The concepts	1
0.2 The view of the hot spring resources	3
0.3 The idea of Hot Spring Tourism and the intension of Hot Spring Tourism Resources	4
0.4 Historical development of Hot Spring Tourism-health care	5
0.5 The character, tasks and contents on geological sciences of hot Spring tourism and Health care	9
 Section 1 Fundamental Principles	
Chapter 1 The formation of hot springs and geological background	12
1.1 The geotectonic location of the hot spring distribution	12
1.2 Hot spring in relation to stratum and lithology	14
1.3 Hydrogeological conditions of the hot spring	15
1.4 Hot spring and volcano	16
1.5 Geological controlling factors and geological conditions of the formation of hot spring	19
Chapter 2 Geographical distribution of hot springs	24
2.1 Geographical distribution pattern of hot Springs	24
2.2 The geographical and geological features on the distribution of hot spring resources	24
Chapter 3 The types and physical and chemical properties of hot springs	30
3.1 The division of hot spring types	30
3.2 The physical and chemical properties of hot spring	36
Chapter 4 Hot spring and health care	39
4.1 Health philosophy of hot spring	39
4.2 The scientific theory on health care function of hot spring	40
4.3 The health care function on various types of hot spring	45
4.4 Several health care function of hot spring	48
4.5 The diseases that suit for recuperating by hot spring	50

Chapter 5 Hot spring tourism and hot spring landscape	54
5.1 The philosophy of hot spring landscape	54
5.2 The classification of landscape	55
5.3 The tourism function of hot spring landscape and its development	58
Chapter 6 Evaluation of hot spring resources and their development and utilization	60
6.1 The evaluation of main resources of hot spring tourism	61
6.2 The evaluation of background resources of hot spring tourism	63
Chapter 7 Monitoring of physical and chemical properties of hot spring	67
Appendix: The measure item and method of physical and chemical properties of hot spring	67
Section 2 The hot spring tourism and health care in China	
Chapter 8 The hot spring tourism and health care in North China	94
8.1 Beijing city	94
8.2 Tianjin city	97
8.3 Hebei province	99
8.4 Shanxi province	102
8.5 Neimenggu autonomous region	105
Chapter 9 The hot spring tourism and health care in the Northeast	110
9.1 Liaoning province	110
9.2 Jilin province	113
9.3 Heilongjiang province	115
Chapter 10 The hot spring tourism and health care in East China	119
10.1 Shanghai city	119
10.2 Jiangsu province	119
10.3 Anhui province	123
10.4 Zhejiang province	126
10.5 Fujian province	129
10.6 Jiangxi province	132
10.7 Shandong province	137
10.8 Taiwan province	142
Chapter 11 The hot spring tourism and health care in Central China	148
11.1 Henan province	148
11.2 Hubei province	151

11.3	Hunan province	155
Chapter 12	The hot spring tourism and health care in South China	162
12.1	Guangdong province	162
12.2	Guangxi Zhuang Autonomous Region	167
12.3	Hainan province	172
12.4	Hong Kong Special Administrative Region	176
12.5	Macao Special Administrative Region	177
Chapter 13	The hot spring tourism and health care in the Southwest	178
13.1	Chongqing city	179
13.2	Sichuan province	183
13.3	Guizhou province	187
13.4	Yunnan province	191
13.5	Xizang (Tibet) Autonomous Region	195
Chapter 14	The hot spring tourism and health care in the Northwest	203
14.1	Shaanxi province	203
14.2	Ningxia Hui Autonomous Region	206
14.3	Gansu province	208
14.4	Qinghai province	212
14.5	Xinjiang Uygur Autonomous Region	215
 Part 3 The hot spring tourism and health care in the world		
Chapter 15	Asia	222
15.1	Summarize	222
15.2	The hot spring in East Asia	223
15.3	The hot spring in Southeast Asia	229
15.4	The hot spring in South Asia	232
15.5	The hot spring in Central Asia	232
15.6	The hot spring in West Asia	233
Chapter 16	Europe	237
16.1	Summarize	237
16.2	The hot spring in East Europe	238
16.3	The hot spring in South Europe	239
16.4	The hot spring in Central Europe	242
16.5	The hot spring in West Europe	247
16.6	The hot spring in North Europe	249

Chapter 17 North America	252
17.1 Summarize	252
17.2 The hot spring in Canada	252
17.3 The hot spring in USA	254
17.4 The hot spring in Mexico	257
17.5 The hot spring in other countries	258
Chapter 18 South America	261
18.1 Summarize	261
18.2 The hot spring in Columbia	261
18.3 The hot spring in Venezuela	262
18.4 The hot spring in Ecuador	262
18.5 The hot spring in Peru	263
18.6 The hot spring in Brazil	264
18.7 The hot spring in Bolivia	265
18.8 The hot spring in Chile	266
18.9 The hot spring in Argentina	266
18.10 The hot spring in Uruguay	267
Chapter 19 Africa	268
19.1 Summarize of hot spring resources	268
19.2 The hot spring and the character of hot spring landscape	269
19.3 The fashion, establishment and character of development and utilization on hot spring tourism and health care	271
19.4 Development trends and prospects	273
Chapter 20 Oceania	275
20.1 Summarize of hot spring resources	275
20.2 The hot spring and the character of hot spring landscape	276
20.3 The fashion, establishment and character of development and utilization on hot spring tourism and health care	278
20.4 Development trends and prospects	280