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1959-1969

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JODHPUR

BULLETIN

OF

THE ARID ZONE RESEARCH ASSOCIATION OF INDIA
JODHPUR
1970

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INTRODUCTION

The Central Arid Zone Research Institute was established by the Govt. of India, in October, 1959, with a view to launch a multi-disciplinary attack on the problems of aridity in Western Rajasthan. The impetus for the creation of this Institute may be said to have been provided by the anxiety expressed by our parliamentarians, as far back as in 1952, over the expanding nature of the Rajasthan Desert posing a threat to regions beyond the borders of the State. Before the Institute in its present form came into being, some substantial ground work for the reclamation of the Rajasthan Desert had already been done by the Desert Afforestation Research Station established in Jodhpur in October, 1952 which was subsequently reorganised as the Desert Afforestation and Soil Conservation Station in 1957. Thus, at the time of its birth, the Institute had inherited a good deal of basic information about the conditions prevailing in this desert. The initial planning of the organisation of the Institute was entrusted to Mr. C. S. Christian, Unesco expert from Australia and with the dynamic leadership provided by Dr. P. C. Raheja, the first Director of the Institute, it soon came to be recognised as a leading international centre for desert research. In the process of its development the Institute has received generous assistance from the Unesco and the Commonwealth Government of Australia.

In 1966, the administrative control of the Institute was transferred from the Govt. of India to the Indian Council of Agricultural Research. Till the end of the 3rd Five Year Plan period, the Institute comprised the following four Divisions :

1. Division of Basic Resource Studies
2. Division of Resources Utilization Studies
3. Division of Human Factor Studies
4. Division of Animal Studies.

The Divisions are constituted of several research sections, each specialising in a particular field of research. In the expansion programme for the Institute in the Fourth Plan period, the creation of two more Divisions has been envisaged. These will be designated as the Division of Wind Power and Solar Energy and the Division of Soil-Water-Plant Relationships. The Institute is thus a unique research establishment in this country where scientists from diverse fields are working with one major objective, viz., the most efficient and productive use of the resources of the desert, both physical and biological, so that, ultimately, the people living in the desert may have a better life. In the course of their crusade against the forces of desertization the scientists and the technical staff of the Institute have been frequently contributing articles of various nature to scientific periodicals, both in India and abroad. These publications are of evident value as source materials for information on various aspects of the Indian arid zone, but because of their scattered nature it has so far been difficult for the interested reader to search out specific articles or to know whatever work has been done so far in this Institute on a specific problem. In order to fill this lacuna, work on the compilation of this bibliography, covering the period 1959-1969, was undertaken.

This bibliography has 714 entries contributed by 128 by authors. The Annual Scientific Reports of the Institute, symposia volumes, lists of publications supplied by the Scientific staff and the copies of reprints available in the library have been the principal sources for this bibliography. The entries have been checked up with the originals as far as possible. All entries have been serially numbered. The two indices provided will assist the reader in locating information by Author and Subject. The Subject Index has been compiled from the titles only. Abbreviations to periodicals are given as per the World List of Scientific Periodicals (1952 Edition).

I am grateful to Dr. T. R. Mehta, our Director, for his generous encouragement at all stages of this project. In the compilation of this bibliography, I have been particularly inspired by Shri R. N. Kaul, Head of the Division of Resources Utilization Studies and by Dr. P. K. Ghosh, Animal Physiologist in this Institute. I am also thankful to all other members of the scientific and technical staff of the Institute for their unstinted help and co-operation in the compilation of this bibliography and I would like to particularly mention the names of Shri P. C. Chatterji, Shri S. P. Malhotra and Dr. P. C. Nanda for their advice. The excellent assistance in typing and comparing the references rendered by Sarva Shri S. B. L. Rastogi, S. C. Rawtani, Rameshwar Lal, Subramaniam and S. L. Sharma is also acknowledged with sincere thanks.

I will deem my labours to be amply rewarded if this bibliography fulfils the purpose for which its compilation was undertaken, viz., advancement of knowledge in the field of arid lands research.

Central Arid Zone Research Institute,
Jodhpur.

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CONTENTS

Subject			Entry No.
Rural Sociology	1 — 34
Sociology of Family	35 — 42
Sociology of Demography and Ecology	43 — 47
Sociology of Occupation and Profession	...	...	48 — 51
Sociology of Agriculture	...	...	52 — 57
Sociology of Nomads	...	...	58 — 69
Natural Resources Survey	...	...	70 — 84
Quantitative Analysis	...	...	85 — 91
Geophysics	...	...	92 — 94
Aerial Photo-Interpretation and Photogrammetry	...	...	95 — 111
Geomorphology	...	...	112 — 143
Hydrogeology	...	...	144 — 179
Hydrogeochemistry	...	...	180 — 190
Mapping	...	...	191 — 197
Climatology	...	...	198 — 213
Delimitation of Aridzone	...	...	214 — 219
Sedimentary Rock	...	...	220 — 225
Micro-Nutrients	...	...	226 — 234
Physiological Problems of Plants	...	...	235 — 260
Soil Moisture and Plant Growth	...	...	261 — 290
Germination Processes	...	...	291 — 304
Plant Ecology	...	...	305 — 322
Soil Physics	...	...	323 — 330
Soil Conservation	...	...	331 — 345
Soil Survey	...	...	346 — 358
Crop Production	...	...	359 — 382
Fertilizers	...	...	383 — 392
Weeds	...	...	393 — 401
Field Crops	...	...	402 — 413
Pasture Grasses	...	...	414 — 447
Ecology of Grasses and Grasslands	...	...	448 — 458
Pasture Legumes	...	...	459 — 462
Plants Grown For Industries Processes	...	...	463 — 469

Forest Economics	...	...	470 — 471
Forest Ecology	...	...	472 — 480
Silviculture	...	...	481 — 522
Afforestation	...	...	523 — 545
Land Use	...	...	546 — 557
Utilization of Minor Forests Produce	...	...	558 — 571
Livestock Management	...	...	572 — 577
Livestock Production and Breeding	...	...	578 — 595
Range Management	...	...	596 — 630
Wild Life	...	...	631 — 640
Physiology of Rodents	...	...	641 — 652
Ecology of Rodents	...	...	653 — 679
Physiology of Sheep	...	...	680 — 702
Ecology of Birds	703 —
Termite	704 —
Miscellaneous	705 — 714
Author Index	i — iv

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- | | |
|---|---|
| 1. Abichandani C T : 95, 99, 130, 290, 323-325, 331-332, 346-349, 359-362, 546 | 21. Chatterji P C : 92-94, 134, 144-172, 180-184, 220-225 |
| 2. Abichandani R K : 693, 695-697 | 22. Cherian A : 325, 472, 477 |
| 3. Abraham C T : 139, 141, 143 | 23. Chitnis B K : 492, 499, 502, 561 |
| 4. Ahuja L D : 291, 485, 572-573, 575, 578-590, 596-614, 628 | 24. Chowdhry B S : 519 |
| 5. Anonymous : 67-69 | 25. Chowdhari M D : 525 |
| 6. Audus L J : 239-240 | 26. Dabadghao P M : 383, 416, 448-449, 617-618 |
| 7. Basha Ram : 457 | 27. Das R B : 363, 383-384, 416, 421, 426, 436-438, 442, 449-450, 574, 591, 617-618 |
| 8. Bhagwan Singh : 252 | 28. Dauley H S : 245, 284, 364, 439, 477 |
| 9. Bhandari M M : 473 | 29. Debroy R : 383, 426, 449, 518, 617-618 |
| 10. Bharara L P : 1, 9, 19, 22, 24, 26-27, 29-31, 48-51, 59-61 | 30. Dhruvanarayana V V : 82, 96-97, 107, 173-174, 326, 335-336, 358 |
| 11. Bhargava K D : 222 | 31. Dutta B K : 463, 474 |
| 12. Bhati G N : 431, 434, 439, 591 | 32. Evans J V : 681 |
| 13. Bhatt P N : 90, 175, 261, 290, 323, 325, 327, 350, 528 | 33. Eyal E : 681 |
| 14. Bhattacharya B B : 229-230, 304, 367, 407 | 34. Fitzwater W D : 676 |
| 15. Bhimaya C P : 2, 291, 333-334, 450, 470, 472, 481-485, 523, 529, 547, 558-559, 588-591, 602-614 | 35. Fuladi B M : 693-694, 696 |
| 16. Blogovescensky E N : 211, 323 | 36. Ganguli B N : 98, 292, 392, 470-471, 481, 486-487, 490-493, 495, 503, 526-529, 532, 534, 550, 558-564, 568, 653 |
| 17. Bohra R K : 362, 414, 441, 619 | 37. Ganguly J K : 530 |
| 18. Bora D N : 187 | 38. Gaur Y D : 235-236, 299, 305-306, 312-313, 319-322, 400, 461-463 |
| 19. Bose A B : 1-21, 35-40, 43-50, 52-64 | 39. Gaur B S : 641, 646, 648-650 |
| 20. Chakravarty A K : 248, 383, 414-435, 437, 439, 447, 457, 459, 556, 591-592, 615-616 | 40. Gheesa Lal : 87, 112, 116, 121, 127 |

AUTHOR INDEX

- | | |
|---|--|
| <p>41. Ghose B : 85-88, 100-102, 110-124
126, 130-131, 133. 135, 179, 346, 353</p> <p>42. Ghosh P K : 636-637, 641-652,
677-678, 680-681, 684-686, 698, 705</p> <p>43. Gopinath C : 607, 609, 707</p> <p>44. Goswami R P : 389, 499, 584</p> <p>45. Gupta R K : 99, 170, 237, 252,
307-310, 337, 451-452, 463-467,
473-476</p> <p>46. Gupta B S : 185, 233, 284, 449</p> <p>47. Gupta I C : 359-362</p> <p>48. Gupta K M : 455</p> <p>49. Gyanchand : 506, 513, 515-516,
520</p> <p>50. Jain A P : 652, 654, 670, 676</p> <p>51. Jain G L : 226-228, 338</p> <p>52. Jain M B : 57, 70, 151, 414,
440-441, 470, 516-517, 520, 569-570,
575, 619-620</p> <p>53. Jain T C : 286, 376, 468-469</p> <p>54. Jodha H R : 190, 706</p> <p>55. Jodha N S : 18, 40</p> <p>56. Johri C S K : 50, 65</p> <p>57. Joshi P L : 26-27, 29-30, 51</p> <p>58. Kachhwaha S S : 403, 584</p> <p>59. Kacker N L : 427, 435</p> <p>60. Kalkani L : 423</p> <p>61. Kametkar L R : 669, 672, 679</p> <p>62. Kanodia K C : 309-310, 453-454,
467</p> | <p>63. Kaul R N : 385, 470-471, 477,
481-484, 486-521, 524, 526-543,
547-560, 562-570. 611, 653</p> <p>64. Kaushik R C : 521</p> <p>65. Kharbanda B C : 266-267, 271-
272, 274, 293, 295-297</p> <p>66. Khera R C : 623</p> <p>67. Kolarkar A S : 349, 355-356</p> <p>68. Krishnan A : 198-213, 215-219,
262, 325, 327, 338, 343, 665</p> <p>69. Kumbkarni C G : 656, 665</p> <p>70. Kushawa R S : 208</p> <p>71. Lahiri A N : 239-244, 261, 263-
279, 293-299, 571</p> <p>72. Lamba T R : 457</p> <p>73. Malhotra S P : 2-4, 6, 8-9, 12-
16, 22-31, 41-42, 48-53, 58, 62-66,
463</p> <p>74. Mann H S : 390</p> <p>75. Manohar M S : 245, 280-281,
300 303, 411, 460, 512</p> <p>76. Marwaha S P : 383, 448-449,
617</p> <p>77. Mathur C P : 187</p> <p>78. Mathur M K : 245, 247, 300-
303, 391, 399, 507</p> <p>79. Mathur S N : 330</p> <p>80. Mathur, P R : 326</p> <p>81. Mehta T R : 544</p> |
|---|--|

AUTHER INDEX

- | | | | |
|-----|---|------|---|
| 82. | Misra D K : 226, 227, 229-231, 246-247, 282-289, 303-304, 328, 339-341, 350, 363-377, 379, 386-389, 391, 393-399, 402-412, 442, 468-469, 549, 713 | 99. | Rana B D ; 703 |
| 83. | Mishra M N : 378-379 | 100. | Rose C W ; 203 |
| 84. | Mondal R C : 89-91, 157, 168, 175-176, 182, 185, 188, 232-234, 248 | 101. | Roy B B : 75-81, 105, 130, 134, 188, 343, 351-357, 546 |
| 85. | Mukhtar Singh : 206, 209, 557 | 102. | Samraj P : 590 |
| 86. | Murthy K N K : 103, 177-178, 186-187, 335 | 103. | Satyanarayan Y : 83-84, 106-107, 305-306, 312, 314-321, 329, 358, 400-401, 443-444, 446, 461-462, 472 |
| 87. | Nambiar K T N : 538, 562-563 | 104. | Saxena P C : 21, 37-39, 44-45 53-55, 58 |
| 88. | Nanda P C : 249-253, 311, 453-458, 522, 621-627 | 105. | Saxena S K : 237, 307, 312 313, 319, 400-401, 451-452, 464-465, 476 |
| 89. | Pandey S : 82, 85-88, 101, 116, 121-123, 125-135, 157, 353 | 106. | Saxena R K : 158-165, 167, 169, 183, 189-190, 225 |
| 90. | Patwa F C : 31 | 107. | Sen A K : 33-34, 73, 108-109, 113, 136-143, 191-197, 357 |
| 91. | Patwal D S : 576 | 108. | Sen M L A : 11, 41-42, 47, 59-60, 62-65 |
| 92. | Prajapati M C : 576, 589, 613 | 109. | Sen S P : 241 |
| 93. | Prakash I : 473, 631-640, 644, 655-676, 679, 704 | 110. | Shankaranaryan K A : 82, 217, 314, 316-317 322, 444-446, 480, 522 |
| 94. | Prakash M : 458, 607, 609, 627-628, 707 | 111. | Sharma M L : 92-94, 158-165, 167, 169, 183, 189-190 |
| 95. | Purohit K G : 644, 647, 663, 667, 669, 672, 677-680 | 112. | Shriniwas : 330, 335, 344-345 |
| 96. | Raheja P C : 32, 70-74, 104, 214, 226-227, 254-260, 342, 381-382, 390, 413, 478-479, 545, 552, 593, 629-630, 708-714 | 113. | Srivastava M N : 3 |
| 97. | Rakhecha P : 199, 211, 216, 219, 325, 327 | 114. | Singh S : 86-88, 101-102, 110-111, 116-117, 119-124, 126, 132, 135, 380 |
| 98. | Ram Prasad : 378-379 | 115. | Singh S D : 555 |
| | | 116. | Subramaniam V P : 521 |
| | | 117. | Sudama Singh : 244, 279 |
| | | 118. | Suraj Bhan : 289 |

AUTHOR INDEX

119. Tak B L : 192
120. Taneja G C : 577, 594-595, 639-640, 651-652, 666, 673, 682-702
121. Vangani N S : 576, 606-607, 609
122. Vats P C : 133
123. Verma C M : 419, 426, 432, 447
124. Vijay Kumar (Agronomy) 304, 377, 381-382, 391, 393, 398, 406
125. Vijay Kumar : 269-270, 276-277, 298
126. Vyas K K : 457
127. Wasiullah : 179
128. Yawalkar K S : 390