

Dr. Ravi Parkash
Mobile No. 09466260460



A) Educational Qualification

Degree	Year of Passing	University/Institute
D.Sc.	2001	H.N.B.G Central University, Srinagar
PhD	1977	Panjab Agricultural University, Ludhiana
PG	1972	Panjab University, Chandigarh
UG	1969-1971	Panjab University, Chandigarh

B) Career Profile

Designation	Institution served	Duration	
		From	To
Lecturer	GND University, Amritsar	1977	1983
Reader	Roorkee University, Roorkee	1983	
Reader	MD University, Rohtak	1983	1989
Professor	MD University, Rohtak	1989	31/03/2010
Head of Department	MD University, Rohtak	1983	1984
Head of Department	MD University, Rohtak	1987	1990
Head of Department	MD University, Rohtak	1993	1996
Dean, Colleges	MD University, Rohtak	2000	2001
Dean, Faculty of Life-sciences	MD University, Rohtak	1989	1992
Dean, Faculty of Life-sciences	MD University, Rohtak	1995	1998
Dean, Faculty of Life-sciences	MD University, Rohtak	2001	2004
Dean, Academic affairs	MD University, Rohtak	2004	2006
Head, Deptt of Genetics	MD University, Rohtak	2006	2010
Professor Emeritus	MD University, Rohtak	01/04/2010	Contd

C) **Research Advisory**

No. of Students supervised	PhD	M.Phil.
	25	7

D) **Project Undertaken**

Title of Project	Duration	Funding Agency	Status	
			Completed	In Progress
Isozyme polymorphism in <i>Drosophila</i> species and population.	3 Years	CSIR	Completed	
Evolutionary and ecological Genetics of Indian <i>Drosophilids</i> .	3 Years	Indo-French	Completed	
Genetic diversity and ecological adaptations in drosophilids.	3 Years	DST	Completed	
Three minor research projects	2 Years	UGC	Completed	
Resistance to environmental stress in <i>Drosophilids</i> : analysis of multi trait associations across seasons and geographical regions.	3 Years	UGC	In Progress	
Climatic stress adaptations in drosophilids: Impact of global warming in the western Himalayas.	3 Years	CSIR	In Progress	

6. **Publications**

- (i) Book chapters 14
(a) Authored

- 1. Parkash,R. (1987).** Genetic polymorphism in natural populations. **Indian Review of Life Sciences** 7: 141-164.
- 2. Parkash,R. (1994).** Latitudinal genetic divergence in Indian and other continental populations of *D.melanogaster*. **Indian Review of Life Sciences** 14: 155-179.
- 3. Parkash,R. (1995).** Ecological and Population genetics of *Drosophila melanogaster* from India. **Advances in Biosciences** 457-478.
- 4. Parkash,R. (1996).** Genetic polymorphism in natural populations of some colonising drosophilids of Indian subcontinent. **Recent Advances in Biosciences** 1-26.
- 5. Parkash,R., Dev Karan and Munjal,A.K. (1998).** Habitat selection of alcoholic resources in *Drosophila* species. **Modern Aspects of Insect Biology** (eds. RC Sobti and JS Yadav). 59-69.

6. **Parkash, R.**, Munjal, A.K. and Dev Karan (1998). Applications of allozyme electrophoresis in quantitative genetic diversity among geographical populations and in systematics. Book chapter in: **Moderan aspects of Insect Biology** (eds. RC Sobti and J.S. Yadav). 221-224.
7. **Ravi Parkash** (1999) "Phenotypic plasticity and adaptations to environmental stress in *Drosophila* species populations from the Indian subcontinent" **Insect and Environment**, Editor Prof. H.R. Pajni, Proceeding of Symposium held at P.U., Chandigarh. 1-14.
8. **Ravi Parkash** (1999) "Genetic diversity for climatic adaptations in Indian *Drosophila* species and populations" **Environment and Health**, 221-226.
9. **Ravi Parkash** (2000) "Geographical variations and climatic adaptations in Indian populations of *Drosophila melanogaster* (Meigen) in Environmental protection Eds. A.K. Thukral and G.S. Virk" **Scientific Publisher, Jodhpur, India**, pp 123-129.
10. Molecular pathology of single gene disorders in man: A Review. **Journal of Applied Biosciences**, **33(2)**: 89-95, 2008.
11. Developmental toxicity impact of environmental chemicals on humans and wild-life. **Toxicology eds Dwivedi and Dwivedi**. 1-13: 2008.
12. Pathogenic mutation –A dynamic concept in **Environmental Pollution and Global Health**. Saharan R. P. & P. K. Sareen (Eds.) (2008). 33-38.
13. Environmental health assaults of heavy metals and teratogens in humans. **Toxicology eds Dwivedi and Dwivedi**. 187-200:2008.
14. **Parkash, R.** (2010) Testing the melanism- desiccation hypothesis: A case study in Darwinian evolution. pp. 279-306 in **Nature at work: Ongoing saga of evolution** (ed) V. P. Sharma. Springer (**Book Chapter**)

(b) Edited:

(ii) **Research Papers**

a. **Published in Refereed/Peer Reviewed Journals : 143**

2011

1. **Parkash, R.**, Aggarwal, D. D., Kalra, B. (2011). Coadapted changes in energy metabolites and body color phenotypes for resistance to starvation and desiccation in latitudinal populations of *D. melanogaster*. **Evolutionary Ecology 25**: doi: 10.1007/s10682-011-9482-x. **Impact factor: 3.50 (in press)**.
2. **Parkash, R.**, Aggarwal, D. D., Kalra, B., Ranga, P. (2011). Divergence of water balance mechanisms in two melanic *Drosophila* species from the western Himalayas. **Comparative Biochemistry and Physiology, Part A. 158: 531-541. Impact factor: 2.20**

3. **Parkash, R.,** Sharma, V., Chahal, J., Kajla, B., Chanderkala. (2011). Impact of body melanisation on mating success in *D. melanogaster*. **Entomologia Experimentalis et Applicata** **139: 47-59**. Impact factor **1.70 (In press)**.
4. **Parkash, R.,** Chahal, J., Sharma, V., Dev, K. (2011). Adaptive associations between total body color dimorphism and climatic stress related traits in a stenothermal circumtropical *Drosophila* species. **Insect Science**. **18: doi: 10.1111/j.1744-7917.2011.01426.x**. Impact factor. **1.20 (In press)**

2010

5. **Parkash, R.** (2010) Testing the melanism- desiccation hypothesis: A case study in Darwinian evolution. pp. 279-306 in **Nature at work: Ongoing saga of evolution** (ed) V. P. Sharma. Springer (**Book Chapter**)
6. **Parkash, R.,** Sharma, V., Kalra, B. (2010). Sexual dimorphism for water balance mechanisms in montane populations of *Drosophila kikkawai*. **Biology Letters** **6 (4) : 570-574; doi: 10.1098/rsbl.2009.097**. Impact factor: **3.60**
7. **Parkash, R.,** Kalra, B., Sharma, V. (2010). Impact of body melanisation on contrasting levels of desiccation resistance in a circumtropical and a generalist *Drosophila* species. **Evolutionary Ecology** **24:207–225**. Impact factor: **3.50**.
8. **Parkash, R.,** Sharma, V., Kalra, B. (2010). Correlated changes in thermo tolerance traits and body color phenotypes in montane populations of *D. melanogaster*: analysis of within and between population variations. **Journal of Zoology, Blackwell publishers, U.K.** **280:49–59**. Impact Factor: **1.60**

2009

9. **Parkash, R.,** Rajpurohit, S., Singh, S., Ramniwas, S. (2009). Seasonal changes in humidity level in the tropics impact body color polymorphism and desiccation resistance in *Drosophila jambulina* – Evidence for melanism-desiccation hypothesis. **Journal of Insect Physiology**. **55: 358-368**. Impact Factor: **2.40**
10. **Parkash, R.,** Sharma, V., Kalra, B. (2009) Impact of body melanisation on desiccation resistance in montane populations of *D. melanogaster*: analysis of seasonal variation. **Journal of Insect Physiology**. **55: 898–908**. Impact Factor: **2.40**

2008

11. **Parkash, R.,** Rajpurohit, S., Ramniwas, S. (2008) Changes in body melanisation and desiccation resistance in highland vs. lowland populations of *D. melanogaster*. **Journal of Insect Physiology, Elsevier publishers,** **54 (6): 1050-56**. Impact Factor: **2.40**.
12. **Parkash, R.,** Ramniwas, S., Rajpurohit, S., Sharma, V. (2008) Variations in body melanisation impact desiccation resistance in *Drosophila immigrans* in Western Himalayas. **Journal of Zoology, Blackwell publishers,** **276:219-227**. Impact Factor: **1.60**.

13. Rajpurohit, S., **Parkash, R.**, Ramniwas, S. (2008) Body melanisation and its adaptive role in thermoregulation and tolerance against desiccating conditions in *Drosophilids*. **Entomological research, Japan 38: 49 – 60.** (**Invited review article**) **Impact Factor: 1.51**
14. **Parkash, R.**, Rajpurohit, S., Ramniwas, S., Singh, S. (2008) Variation in body melanisation, ovariole number and fecundity in highland and lowland populations of *Drosophila melanogaster* from Indian subcontinent. **Insect Science, Blackwell publication. 15:477-485. Impact Factor: 1.20.**
15. **Parkash, R.**, Sharma, V., Kalra, B. (2008) Climatic adaptation of body melanisation in *Drosophila melanogaster* from Western Himalayas **FLY, U.S.A. 2:3, 111-117. Impact Factor: 1.16.**
16. **Parkash, R.**, Kalra, B., Sharma, V. (2008) Changes in cuticular lipids, water loss and desiccation resistance in a tropical Drosophilid: Analysis of within population variation. **FLY, 2:4, 189-197. Impact Factor: 1.16.**
17. **Parkash, R.**, Rajpurohit, S., Ramniwas, S. (2008) Impact of darker, intermediate and lighter phenotypes of body melanisation on desiccation resistance in *Drosophila melanogaster*. **Journal of Insect Science, 8: 97-103 Impact Factor: 1.06**
18. Rajpurohit, S., **Parkash, R.**, Ramniwas, S. (2008) Climatic changes and shifting species boundaries of *Drosophilids* in the Western Himalaya. **Acta Entomologica Sinica; 51 (3): 328-35. Impact factor: 1.0.**

2007

19. Rajpurohit S, **Parkash R**, Seema.R, Nedved O. & Singh S (2007) Parallel trend in pigmentation and desiccation tolerance: altitudinal and latitudinal effects in *Drosophila melanogaster*. **Drosophila Information Service, U.S.A., 90: 70-79.**
20. **Parkash R** (2007) Molecular pathology of single gene disorders in man: A Review. **Journal of Applied Biosciences, 33(2): 89-95.**

2005

21. **Parkash, R.**, Tyagi, P. K., Sharma, I. and Rajpurohit, S. (2005) “Adaptations to environmental stress in altitudinal populations of two *Drosophila* species”. **Physiological Entomology. 30: 353-361. Impact Factor: 1.41**

2000

22. Parkash R. Munjal A.K. (2000) Evidence of independent climatic selection for desiccation and starvation tolerance in Indian tropical populations of *D.melanogaster*. **Evol. Ecol. Research. U.S.A. 2: 685-699. Impact Factor: 1.41**
23. Karan. D., Dubey, S., Morteau, B., **Parkash, R.** and David, J.R. (2000) “Geographical cline for quantitative traits in natural populations of tropical Drosophilids: *Zaprionus indianus*” **Genetica. Netherlands108: 91-100. Impact Factor: 1.41**

1999

24. **Parkash, R.**, Dev Karan and Ashok K. Munjal (1999) "Geographical variation in Adh-f and alcoholic resource utilization in Indian population of *Drosophila melanogaster*" **Biooigcal Journal of the Linnean Society**, U.K66:205-214. **Impact Factor: 2.37**
25. **Parkash, R.**, and A.K. Munjal (1999) "Phenotypic variability of thoracic pigmentation in Indian populations of *Drosophila melanogaster*" **Z. Zool. Syst. Evol. Reserach**, Germany 37(3): 133-140. **Impact Factor: 1.79**
26. **Parkash, R.**, D. Karan, S.K. Kataria and A.K. Munjal (1999) "Phenotypic variability of quantitative traits in Indian populations of *Drosophila kikkawai*" **J. Zool. Syst. Evol. Research**, Germany, 37:13-17. **Impact Factor: 1.79**
27. **Parkash,R.** and A. K. Munjal (1999) "Climatic selection of starvation and desiccation resistance in populations of some tropical drosophilids" **J. Zoo. Syst. Evol. Research**, Germany 37: 195-202. **Impact Factor: 1.79**
28. Karan,D., **Parkash,R.** and David,J.R. (1999) "Microspatial genetic differentiation for tolerance and utilization of various alcohol and ac- acid in *Drosophila* species from India" **Genetica**. Netherelands105: 249-258. **Impact Factor: 1.41**

1998

29. **Parkash, R.**, A.K.Munjal, and D. Karan (1998) "Thermal adaptive significance of ADH and EST-6 allozymes in Indian geographical populations of *Drosophila melangoaster*" **J. Zool. Syst. Evol. Research**. 36:147-152. **Impact Factor: 1.79**
30. Karan.D., and **Parkash., R.**, (1998).Desiccation tolerance and starvation resistance exhibit opposite latitudinal clines in Indian geographical populations of *Drosophila kikkawai* **Ecological Entmology**.23, 391-396. **Impact Factor: 1.74.**
31. Gibert, P., Brigitte Moreteau, Jean-Claude Moreteau, **Ravi Parkash** and Jean R. David (1998) "Light body pigmentation in Indian *Drosophila melanogaster*:" a likely adaptation to a hot and arid climate" **Journal of Genetics**, Vol. 77:13-20. **Impact Factor: 0.80**
32. **Parkash, R.**, Dev Karan and Ashok K Munjal (1998) " Geographical divergence of quantitative traits in colonizing populations of *Drosophila kikkawai* form India" **Hereditas**, Sweden128:201-205. **Impact Factor: 0.90.**
33. Karan, D., Ashok K.Munjal, Patricia Gibert, Brigitte Moreteau, **Ravi Parkash** and Jean R David (1998) "Latitudinal clines for morphometrical traits in *Drosophila Kikkawai* : a study of natural populations from the Indian subcontinent" **Genetical research**, U.K.Cambridge, 71:31-38. **Impact Factor: 2.17**

1997

34. Morin, J.P., Moreteau, B., Petavy, G., **Parkash, R.** and David, J.R. (1997). Reaction norms of morphometrical traits in *Drosophila*: adaptive shape changes

- in a stenotherm circumtropical species? **Evolution** (USA) 51: 1140-1148.
Impact Factor: 5.42
35. Munjal, A.K., D.Karan, P.Gilbert, B.Moreteau, **R.Parkash** and J.R.David (1997). Thoracic trident pigmentation in *Drosophila melanogaster*. Latitudinal and altitudinal clines in Indian populations. **Genet. Sel. Evol.** 29: 601-610.
Impact Factor: 1.40
 36. Dev Karan, Neena Dahiya, Ashok K.Munjal, P.Gilbert, B.Moreteau, **R.Parkash** and J.R.David (1997). Desiccation and starvation tolerance in *Drosophila*: opposite latitudinal clines in natural populations of three different species. **Evolution.** 49(3): 1140-1148. **Impact Factor: 5.42**
 37. **Parkash, R.**, D. Karan and A.K.Munjal (1997) Phenotypic variability in Indian *Drosophila* Species Populations: I. Quantitative Traits. **GENETICA.**29:209-218. . **Impact Factor: 0.27**
 38. D. Karan, A.K.Munjal and **Parkash, R.** (1997) Phenotypic variability in Indian *Drosophila* Species Populations: II. Pigmentation Polymorphism. **GENETIKA.**29:219-229. **Impact Factor: 0.27**
 39. **Parkash, R.** and D. Karan (1997) Short range genetic differentiation due to habitats and resources in three *Drosophila* species. **GENETICA.**30:17-25.
Impact Factor: 0.27

1995

40. **Parkash,R.**, Dev Karan and Munjal,A.K. (1995). Electrophoretic analysis of interspecific variations in three *Zaprionus* species. **Evolution Biologica** (Colombia). 8: 87-96
41. Hoenigsberg, H.F. and **Ravi Parkash** (1995). Comparative genetic structure and spatial patterns in the evolution of cosmopolitan and local species. **Evolution Biologia** 9: 215-236.

1994

42. **Parkash,R.**, Shamina and Vashist,M. (1994). Latitudinal *Adh* allozymic variation and ethanol tolerance in Indian populations of *D.melanogaster*. **Zeit. Zool. Syst. Evol.** Germany32: 64-72. **Impact factor :1.85**
43. Vashist,M., **Parkash,R.** and Shamina (1994). Patterns of microspatial and latitudinal selection of ethanol tolerance and *Adh* frequency in *D.melanogaster* from India. **Biol. Zent. Bl. (Germany)** 113: 97-105. **Impact factor : 0.23**
44. Sharma,S., **Parkash,R.** and Sharma,M. (1994). Geographical differentiation of allozymic polymorphism and ethanol tolerance in *D.malerkotliana* populations from India. **Biologisches Zentralblatt.** 113: 365-378. **Impact factor : 0.23**
45. **Parkash,R.**, Sharma,S. and Sharma,M. (1994). Patterns of starvation and desiccation tolerance in *D.bipectinata* and *D.malerkotliana*. **Biologisches Zentralblatt.** 113: 355-364. **Impact factor : 0.23**
46. **Parkash, R.** and Shamina (1994). Extent of genic divergence among Indian and other continental populations of *D.melanogaster*. **Evolution Biologica** 7: 261-272.

47. Shamina, Vashist,M. and **Parkash,R.** (1994). Parallel patterns of higher ethanol utilization and ADH polymorphism in *D.melanogaster* and *Z.indianus* populations from India. **Evolution Biologica** 7: 273-290.
48. **Parkash,R.** and Shamina (1994). Latitudinal *Adh* allozymic variation and ethanol tolerance in Indian populations of *D.ananassae*. **Genetics, Selection & Evolution (France)** 26: 217-228. **Impact Factor: 1.74**
49. Sharma,M., Sharma,S. and **Parkash,R.** (1994). ADH polymorphism and ethanol tolerance in three species of *ananassae* species subgroup. **Evolution Biologica** 7: 51-62.
50. **Parkash,R.**, Shamina and Neena (1994). Parallel selection of ethanol and acetic acid tolerance in *D.melanogaster* populations from India. **Genetics, Selection and Evolution (France)** 26(6): 488-494. **Impact Factor: 1.74**
51. **Parkash,R.**, Jyoutsna and Vandana (1994). Allozyme phylogeny of five species of *takahashii* species sub group of *Drosophila*. **Korean J. Genetics** 16(3): 187-196. **Impact Factor: 0.31**
52. **Parkash,R.**, Sharma,S. and Sharma,M. (1994). Patterns of allozymic variation and alcohol tolerance in Indian populations of *D.bipectinata*. **Korean J. Genetics** 16(4): 301-318. **Impact Factor: 0.31**
53. **Parkash,R.**, Sharma,S. and Sharma,M. (1994). Allozymic similarity in *D.nepalensis* from India. **Evolution Biologica** 7: 250-260.
54. Shamina and **Parkash,R.** (1994). Extent of genic variability at three loci in *D.melanogaster* populations from India. **Brazil. J. Genet.** 17(2): 139-143.
55. **Parkash,R.** and Shamina (1994). Alcohol dehydrogenase polymorphism in ten Indian geographical populations of *D.ananassae*. **Biologisches Zentralblatt** 113: 339-348. **Impact factor 0.23**
56. **Parkash,R.** , Neena and Shamina (1994). Ethanol and acetic acid tolerance in Indian geographical populations of *D.immigrans*. **Genetics Selection and Evolution** 26(5): 401-411. **Impact Factor: 1.74**
57. **Parkash,R.** and Shamina (1994). Geographical differentiation of allozymic variability in Indian natural populations of *D.melanogaster*. **Biochem. Genet.** 32: 63-73 (USA). **Impact Factor: 0.90**
58. **Parkash,R.**, Neena and Shamina (1994). Primary and secondary alcohols as well as acetic acid utilisation patterns in Indian populations of *D.immigrans*. **Biologisches Zentralblatt** 113: 389-397. **Impact factor 0.23**
59. Shamina, **R.Parkash** and M.Vashist (1994). Ethanol and acetic acid tolerance in three sympatric *Drosophila* species. **Biologisches Zentralblatt** 113: 379-388. **Impact factor 0.23**
60. **Parkash,R.** and Vandna (1994). Parallel selection of ethanol and acetic acid tolerance in altitudinal and latitudinal populations of *D.immigrans*. **Biologisches Zentrablatt** 113(4): 459-468. **Impact factor 0.23**
61. **Parkash,R.** and Vandna (1994). Altitudinal differentiation of starvation and desiccation tolerance in *D.melanogaster* and *D.immigrans*. **Evolution Biologica** 8: 119-126.

62. **Parkash,R.** and Vandna (1994). Utilisation of alcoholic resources in five colonising drosophilids from Himachal Pradesh, India. **Korean Journal of Genetics** 16(3): 233-238. **Impact Factor: 0.31**
63. **Parkash,R.**, and Vandna (1994). Ethanol and acetic acid utilisation in colonising populations of *D.jambulina* and *D.kikkawai*. **Evolution Biologica** 8: 87-96.
64. **Parkash,R.** and Vandna (1994). Latitudinal differentiation in alcoholic utilization and desiccation-starvation tolerance in *D.kikkawai* populations from India. **Korean Journal of Genetics** 16: 217-224. **Impact Factor: 0.31**

1993

65. **Parkash,R.**, Sharma,S. and Shamina (1993). Allozymic variation in Indian natural populations of *D.melanogaster*. **Korean J. Genetics** 15(3): 187-202. **Impact Factor: 0.31**
66. **Parkash,R.** and Yadav,J.P. (1993). Geographical variation at esterase coding loci in Indian geographical populations of *Z.indianus*. **Hereditas (Sweden)** 119: 161-170. **Impact Factor: 0.90.**
67. **Parkash,R.**, Sharma,M. and Sharma,S. (1993). Allozymic homogeneity in Indian natural populations of *D.takahashii*. **Biol. Zent. Bl. (Germany)** 112: 379-388. **Impact factor 0.23**
68. Yadav,J.P. and **Parkash,R.** (1993). Latitudinal allozymic variability in *Zaprionus indianus* populations from India. **Biochem. Genet. (USA)** 31 (7/8): 295-306. **Impact factor 0.90**
69. Shamina, **Parkash,R.** and Neena (1993). Starvation and desiccation tolerance in Indian populations of *D.melanogaster*. **Korean J. Genetics** 15(3): 203-212. **Impact Factor: 0.31**
70. **Parkash,R.**, Neena and Shamina (1993). Ethanol and acetic acid tolerance in three sibling species of *melanogaster* species subgroup. **Evolution Biologia U.S.A.7:** 291-301.

1992

71. **Parkash,R.**, Yadav,J.P. and Shamin a (1992). Latitudinal variation at *Adh* and *Est* loci in Indian populations of two colonising *drosophilids*. **Korean J. Genet.** 14(1): 13-24. **Impact Factor: 0.31**
72. **Parkash,R.**, Yadav,J.P. and Shamina (1992). Allozymic homogeneity in Indian populations of *Drosophila busckii*. **Korean J. Genetics** 14(2): 107-118. **Impact Factor: 0.31**
73. **Parkash,R.**, Sharma,S. and Sharma,M. (1992). ADH polymorphism and ethanol tolerance in some *Drosophila* species from India. **Korean J. Genetics** 14(3): 234-246. **Impact Factor: 0.31**
74. **Parkash,R.**, Vashist,M. and Shamina (1992). Ethanol tolerance and ADH polymorphism in Indian natural populations of *Zaprionus indianus*. **Korean J. Genetics** 14(4): 261-280. **Impact Factor: 0.31**

75. **Parkash,R.**, Yadav,J.P. and Sharma,Indu (1992). Spatial and temporal patterns of genic variation in Indian populations of *D.immigrans* and *D.busckii*. **Evolucion Biologica** 6: 211-224.
76. **Parkash, R.** and Yadav,J.P. (1992). Allozymic polymorphism in Indian natural populations of *Zaprionus indianus*. **Korean J. Genet.** 14(4): 281-296. **Impact Factor: 0.31**

1991

77. **Parkash,R.**, Sharma,M. and Sharma,S. (1991). Patterns of heat stability polymorphism at *AcpH* locus in Indian natural populations of three *Drosophila* species. **Korean J. Genetics** 13(4): 225-232. **Impact Factor: 0.31**
78. Yadav,J.P. and **Parkash,R.** (1991). Allozymic variation in ten Indian natural populations of *Drosophila immigrans*. **Korean J. Genetics** 13(4): 233-246. **Impact Factor: 0.31**

PUBLICATIONS IN INDIAN JOURNALS

1998

1. Dubey,S. and **Parkash,R.** (1998). A parallel latitudinal divergence for alcoholic and acetic acid resources in *Zaprionus indianus*. **Pest Management and Eco. Zoology** 6(1): 15-20.

1997

2. Dev Karan, Munjal,A.K. and **Parkash,R.** (1997). Resource utilization in *D.ananassae* populations. **J. Adv. Zoology.** 18(1): 18-22.
3. Munjal,A.K., Dev Karan and **Parkash,R.** (1997). Parallel clines at *Est-6* locus in altitudinal and latitudinal populations of *D.melanogaster* from India. **Cell and Chromosome Research.** 19(2): 49-57.

1995

4. **Parkash,R.**, Dev Karan and Munjal,A.K. (1995). Allozyme phylogeny of three *Drosophila* species of *ananassae* species sub group. **Res. Bull. (Panjab Univ.)** 45: (I-IV): 55-66.
5. Dev Karan, Munjal,A.K. and **Parkash,R.** (1995). ADH polymorphism and utilization of alcoholic resources in three drosophilids. **J. Cyto. Genet.** 30(2): 189-197.

1994

6. **Parkash,R.**, Yadav, J.P. and Vashist,M. (1994). Electrophoretic and cryptic genic variability in natural populations of *Zaprionus indianus*. **Proceedings Indian National Science Academy** 60: 75-82.
7. **Parkash,R.** and Yadav,J.P. (1994). Patterns of allozymic variation in Indian natural populations of two colonising drosophilids. **Ind. J. Genet. and Plant Breeding** 52: 283-289.
8. Shamina, Vashist,M. and **Parkash,R.** (1994). Alcohol dehydrogenase (*Adh*) polymorphism and ethanol tolerance in Indian populations of three drosophilids. **Proc. Indian Nat. Acad. Sci.** 60(6): 491-493.

9. Yadav,J.P. and **Parkash,R.** (1994). Patterns of ethanol tolerance in *D.immigrans* and *Z.indianus*. **Res. Bull. (Panjab Univ.)**. 44:187-197.
10. Vandna and **Parkash,R.** (1994). Parallel selection of ethanol and acetic acid utilisation in three *Drosophila* species. **National Academy Science Letters** 17(7/8): 151-156.
11. **Parkash,R.** and Shamina (1994). Clinal variation at *Adh* locus in *D.ananassae* populations. **Cell and Chromosome Research** 17(1): 12-19.
12. Vandna, Dev Karan and **Parkash,R.** (1994). Ethanol and acetic acid utilisation in *D.ananassae*. **National Academy Science Letters** 17: 195-200.

1993

13. **Parkash,R.**, Yadav,J.P. and Shamina (1993). Cryptic allozymic variability in *Drosophila immigrans* populations. **Cell and Chromosome Research** 16(1): 1-9.
14. **Parkash,R.** and Shamina (1993). Genetic differentiation at *Adh* locus in Indian natural populations of *D.melanogaster*. **Current Science** 65(2): 159-164.
15. Sharma,S., **Parkash,R.** and Sharma,M. (1993). Ethanol resource utilisation in *D.melanogaster* and *D.bipectinata*. **Nat. Sci. Acad.Letters** 16(9): 259-262.
16. Yadav,J.P., **Parkash,R.** (1993). Latitudinal alcohol dehydrogenase polymorphism and ethanol tolerance in drosophilid *Zaprionus indianus* populations. **Indian J. of Experimental Biology** 31(5): 430-434.
17. **Parkash,R.**, Shamina, M.Sharma and S.Sharma (1993). Allozymic variation in some populations of *D.ananassae*. **National Academy Science Letters** 16(9/10): 253-257.
18. **Parkash,R.** (1993). Adaptations to alcoholic fermentation in Indian populations of *D.melanogaster*. **Pest management and Economic Zoology** 1: 85-90.

1992

19. Yadav,J.P. and **Parkash,R.** (1992). Alcohol dehydrogenase cline in *Zaprionus indianus* populations. **National Academy Science Letters** 15(3): 89-93.
20. **Parkash,R.** and Shamina (1992). Clinal variation at *Est-6* locus in six populations of *Drosophilamelanogaster*. **National Academy Science Letters** 15: 311-316.

1991

21. **Parkash,R.** and Malhi,P.K. (1991). Ontogeny of some hydrolases in the metamorphosing *Rana tigrina*. **National Academy Science Letters** 14: 31-36.
22. **Parkash,R.**, Yadav,J.P. and Jyoutsna (1991). A comparison of gene enzyme variation among three *Drosophila* species of montium species subgroup. **J. Cytology and Genetics** 26: 113-122
23. **Parkash,R.** and Jain,S. (1991). Ontogenetic patterns of some carbohydrases in *Drosophila* species hybrids. **Proceedings National Academy Sciences** 61(4): 401-408.

24. **Parkash,R.**, Sharma,M. and Sharma,S. (1991). Latitudinal pattern of cryptic allozymic variation at *AcpH* locus in *Drosophila ananassae* populations. **Cell and Chromosome Research** 14(1): 17-23.
25. **Parkash,R.**, Sharma,M. and Sharma,S. (1991). Temporal patterns of allozymic variation in four *Drosophila* species populations. **National Academy Science Letters** 14(7): 311-314

1990

26. **Parkash,R.**, Jyoutsna, Yadav,J.P. and Sharma,M. (1990). Electrophoretic analysis of *AcpH* gene duplication in three *Drosophila* species. **Proceedings Indian National Science Academy B** 56: 435-439.
27. **Parkash,R.**, Sharma,M., Yadav,J.P. and Jyoutsna (1990). Cryptic genic variation in *D.ananassae* populations. **Proceedings Indian National Science Academy B** 56: 429-433.
28. **Parkash,R.** and Jyoutsna (1990). Electrophoretic variability at five loci in *Zaprionus indianus* populations. **Proceedings National Academy Sciences** 60(1): 57-62.
29. **Parkash,R.** and Yadav,J.P. (1990). Enzyme polymorphism in a wild population of *D.melanogaster*. **National Academy Science Letters** 13: 289-292.
30. **Parkash,R.** (1990). Starch gel electrophoretic methodology for population genetic analysis. **J.Cytology and Genetics** 26: 101-106.
31. **Parkash,R.**, Jyoutsna and Yadav,J.P. (1990). Genetic variation in some wild populations of *D.busckii*. **Current Science** 59: 264-268.
32. **Parkash,R.**, Sikka, S.K. and Jyoutsna (1990). Electrophoretic variability patterns at eight polymorphic loci in natural populations of *Zaprionus indianus*. **Indian Journal of Experimental Biology** 28 : 831-837.
33. **Parkash,R.** and Jyoutsna (1990). Electrophoretic variation in laboratory strains of two sibling *Drosophila* species. **Current Science** 59: 321-323.
34. **Parkash,R.**, Shamina and Vashist,M. (1990). Genetic analysis of polymorphic phosphatases in *Drosophila* species. **J. Adv. Zoology** 11: 89-94.
35. **Parkash,R.** (1990). Biochemical analysis of three acid phosphatase allozymes in *D.malerkotliana*. **National Academy Science Letters** 13: 457-462.

1989

36. **Parkash,R.**, Jyoutsna, Yadav,J.P. and Sharma,M. (1989). Genetic variation at *Adh* locus in some drosophilids. **Current Science** 58: 808-811.
37. **Parkash,R.**, Jyoutsna, Yadav, J.P. and Sharma,M. (1989). α -GPDH polymorphism in some drosophilids. **Bionature** 9: 17-19.
38. **Parkash,R.**, Yadav, J.P., Sharma,M. and Jyoutsna (1989). Electrophoretic and cryptic variability at *AcpH* and \square -*Gpdh* loci in natural populations of *D.immigrans*. **Indian Biologist** 21: 33-38.

39. **Parkash,R.**, Jyoutsna, Yadav,J.P. and Sharma,M. (1989). Patterns of genetic variability at *AcpH* locus in some drosophilids. **Journal of Cytology and Genetics** 24: 1-8.
40. **Parkash,R.** and Jyoutsna (1989). Allozyme variation in a pair of sympatric sibling species of *Drosophila*. **National Academy Science Letters** 12(10): 361-364.
41. **Parkash,R.** and Yadav,J.P. (1989). Electrophoretic analysis of eight gene-enzyme systems in four natural populations of *D.immigrans*. **Proceedings Indian National Science Academy (B)**55: 387-392.
42. **Parkash,R.** and Jyoutsna (1989). Genetic variation in natural populations of *D.nepalensis*. **National Academy Science Letters** 12(11): 401-404.
43. **Parkash,R.**, Yadav,J.P., Jyoutsna and Sharma,M. (1989). Electrophoretic variability at *Odh* locus in some drosophilids. **Journal Advanced Zoology** 10: 10-15.
44. **Parkash,R.** and Jyoutsna (1989). Aberrant acid phosphatase isozyme patterns in three *Drosophila* species. **Proceedings National Academy Sciences** 59(2): 141-146.

1988

45. **Parkash,R.** and Jyoutsna (1988). Allozyme variation in three *Drosophila* species of ananassae species subgroup. **Current Science** 57: 1071-1074
46. **Parkash,R.**, Sharma, M., Yadav, J.P. and Jyoutsna (1988). Genic heterogeneity at *AcpH* locus in natural populations of *D.takahashii* and *D.nepalensis*. **National Academy Science Letters** 11: 293-296.
47. **Parkash,R.** and Jyoutsna . (1988). Enzyme polymorphism in natural populations of *D. malerkotliana*. **Geobios** 15 : 193-197.
48. **Parkash,R.**, Jyoutsna and Gill,M.S. (1988). Population and biochemical analysis of acid phosphatase allozymes in *D.takahashii*. **Proceedings National Academy Sciences** 58: 365-372.

1984

49. **Parkash, R.** and Jain,S. (1984). Comparative ontogenetic isozyme patterns in *Drosophila* species. **Advances in Biosciences** 3(1): 51-58.

1983

50. **Parkash,R.**, Jain,S. and Badam,R. (1983). Genetic and developmental analysis of phosphatases in *Drosophila* species hybrids. **Proceedings Indian National Science Academy B.** 49(3):221-230

1982

51. **Parkash,R.** and Kaur,R. (1982). Genetics and ontogeny of catalases in *Zaprionus paravittiger*. **Indian Journal of Experimental Biology** 20: 142-146.

52. **Parkash,R.** and Kaur,K. (1982). Developmental analysis of acetylcholinesterases in hybridising *Drosophila* species. **Proc. Ind. Nat. Sci. Acad. B.** 48(5): 659-666.
53. **Parkash,R.** and Jain,S. (1982). Synchronous allelic expression at esterase and acid phosphatase loci in interspecific *Drosophila* hybrids. **Indian Journal of Experimental Biology** 20(8):582-587.

1981

54. **Parkash, R.** and Kaur,P. (1981). Physiological role of esterases during development of *Zaprionus paravittiger*. **Comparative Physiology and Ecology** 6(1): 41-45.

1980

55. **Parkash,R.** and Gill,K.S. (1980). Biochemical characterization of allelic acid phosphatases in *Drosophila malerkotliana*. **Indian Journal of Experimental Biology** 18(1): 61-62.
56. **Parkash,R.** and Gill,K.S. (1980). Isozyme polymorphism in six *Drosophila* species. **Indian Journal of Experimental Biology** 18(3): 219-221.
57. Kaur,K. and **Parkash,R.** (1980). Developmental analysis of amylases in *Drosophila immigrans*. **Indian Journal of Experimental Biology** 18(3): 222-224.
58. Badam,R., Jain,S. and **Parkash,R.** (1980). Biochemical analysis of ontogenetic esterases in *Zaprionusparavittiger*. **Indian Journal of Experimental Biology** 18(7): 746-748.

1979

59. **Parkash, R.**, Gill,K.S. and Sharma,A.K. (1979). Homology of acid phosphatase gene in *D.malerkotliana* and *D.bipectinata*. **Proceedings Indian Academy of Sciences.** 88B: 91-93.
60. **Parkash, R.** and Gill,K.S. (1979). Acid phosphatase isozyme patterns in six *Drosophila* species. **Indian Journal of Experimental Biology** 17: 1245-1247.
61. **Parkash, R.** and Gill, K.S. (1979). Genetics of esterases in six *Drosophila* species. **Indian Journal of Experimental Biology.** 17: 1201-1203.
62. Jain,S. and **Parkash,R.** (1979). Electrophoretic and quantitative analysis of phosphatases and esterases during ontogeny of *Drosophila ananassae*. **Indian Journal of Experimental Biology** 17: 553-557.
63. Kaur,P. and **Parkash,R.** (1979). Ontogenetic esterase isozymes and their significance in *Zaprionus paravittiger*. **Indian Journal of Experimental Biology** 17(7): 644-646.
64. Kaur,P. and **Parkash,R.** (1979). Developmental variation and tissue localisation of esterases in *Zaprionus paravittiger*. **Indian Journal of Experimental Biology** 17(5): 537-538.

65. Rajput, P.S., **Parkash,R.** and Miglani,G.S. (1980). Mitotic chromosomes, salivary chromosome map and chromosomal polymorphism in *Drosophila jambilina*. **Proceedings Indian Academy of Sciences** 89B: 39-46.

b. Published in Academic Journals other than Refereed/Peer Reviewed Journals: **Nil**

c. Published in Conferences/Seminar proceedings: **13**

2001

1. **Parkash, R.** (2001) "Short range genetic differentiation due to habitats and resources in three *Drosophila* species" **Perspectives in Cytology and Genetics**, 10:425-430.
2. **Parkash, R.** (2001) "Adaptations to alcoholic resources in tropical populations of *Drosophila melanoagaster* from Indian" **Perspectives in Cytology and Genetics**, 10:315-324.
3. **Parkash, R.** (2001) "Short range genetic differentiation due to habitats and resources in three *Drosophila* species" **Perspectives in Cytology and Genetics**, 10: 425-430.

2000

4. Kataria, S.K., Indu Sharma, Seema Dubey, Archana Bhardwaj and **Parkash, R.** (2000) "Adaptations of alcoholic resources and climatic stress in *Drosophila immigrans*" **Nature Conservators**, 6:1-7.
5. **Parkash, R.** (2000) "Geographical variations and climatic adaptations in Indian populations of *Drosophila melanogaster* (Meigen) in Environmental protection Eds. A.K. Thukral and G.S. Virk" **Scientific Publisher, Jodhpur, India**, pp 123-129.

1999

6. **Parkash, R.** (1999) "Phenotypic plasticity and adaptations to environmental stress in *Drosophila* species populations from the Indian subcontinent" **Insect and Environment**, Editor Prof. H.R. Pajni, Proceeding of Symposium held at P.U., Chandigarh. 1-14.
7. **Parkash, R.** (1999) "Genetic diversity for climatic adaptations in Indian *Drosophila* species and populations" **Environment and Health**, 221-226.

1998

8. **Parkash, R.,** Dev Karan and Munjal,A.K. (1998). Habitat selection of alcoholic resources in *Drosophila* species. **Modern Aspects of Insect Biology** (eds. RC Sobti and JS Yadav). 59-69.

9. **Parkash, R.**, Munjal,A.K. and Dev Karan (1998). Applications of allozyme electrophoresis in quantitative genetic diversity among geographical populations and in systematics. Book chapter in: **Moderan aspects of Insect Biology** (eds. RC Sobti and J.S.Yadav). 221-224

1994-96

- 10.**Parkash, R.** (1996). Genetic polymorphism in natural populations of some colonising drosophilids of Indian subcontinent. **Recent Advances in Biosciences** 1-26
- 11.**Parkash, R.** (1995). Ecological and Population genetics of *Drosophila melanogaster* from India. **Advances in Biosciences** 457-478.
- 12.**Parkash, R.** (1994). Latitudinal genetic divergence in Indian and other continental populations of *D.melanogaster*. **Indian Review of Life Sciences** 14: 155-179.

1987

- 13.**Parkash, R.** (1987). Genetic polymorphism in natural populations. **Indian Review of Life Sciences** 7: 141-164.

List of Publications of Dr. Ravi Parkash

Sr. No.	<i>Papers with citation index</i>	No.	Impact Factor	Citation
1.	Evolution (U.S.A)	1	5.42	62
2.	Evolution (U.S.A)	1	5.42	44
3.	Biological J of Linnean Society (London)	1	2.37	5
4.	Biology letter	1	3.53	3
5.	Genetica(Netherlands)	1	2.09	5
6.	Genetical Research (U.K.)	1	2.12	30
7.	Ecological Entomology (U.K.)	1	1.74	17
8.	Journal of Genetics (IASc.;India)	1	1.10	16
9.	Physiological Entomology(U.K.)	1	1.41	9
10.	Hereditas (1993) (Sweden)	1	0.98	7
11.	Hereditas (1993)(Sweden)	1	0.98	5
12.	Genetica(Netherlands)	1	2.09	32
13.	Biologisches Zentralbatt (Germany)	1	1.71	5
14.	Biochemical Genetics (U.S.A)	1	0.87	2
15.	Biochemical Genetics (U.S.A)	1	0.87	2
16.	J Zool Sy & Evol Research (1999)	1	1.80	3
17.	J Zool Sy & Evol Research (Germany)	1	1.80	2
18.	Evolutionary Ecology	1	3.44	2
19.	J Zool Sy & Evol Research (Germany)	1	1.80	9
20.	Genetic Selection and Evolution (France)	1	1.74	20

21.	FLY(U.SA)	1	1.16	6
22.	Journal of Insect Physiology (U.K.)	1	2.36	3
23.	Journal of Insect Physiology (U.K.)	1	2.36	2
24.	Journal of Insect Physiology (U.K.)	1	2.36	1
25.	FLY(U.SA)	1	1.16	5
26.	Journal of Zoology(London)	1	1.55	2
27.	Insect Science (China)	1	1.12	3

Sr. No	Papers	No.	Impact Factor
28.	Biologisches Zentralbatt (Germany)	7	1.71
29.	J Zool Sy & Evol Research(Germany)	1	1.80
30.	Genetic selection and evolution(France)	3	1.74
31.	Entomological Research(Korea)	3	0.50
32.	Acta Entmological Sinica (China)	1	0.90
33.	Evol Ecological Research (U.S.	1	1.41
34.	Genetika (Ugosolavia)	3	0.27
35.	Biologisches Zentralbatt (Germany)	3	1.71
36.	Korean Journal of Genetics (Korea)	13	0.41
37.	Japanese journal of Genetics(Japan)	1	0.90
38.	Caryologia (Italy)	1	0.45
39.	Cytologia (Japan)	1	0.46
40.	Experientia (Switzerland)	2	1.50
41.	Zeit Zool Syst. Evol (Germany)	1	1.80
42.	Evolucion Biologica(Columbia)	7	0.95
43.	Indian J Experimental Biology (CSIR, N.Delhi)	14	0.55
44.	Proceedings Indian Academy of Sciences(Banglore)	6	0.47
45.	Current Sciences (Bangalore)	5	0.88
46.	Cell and Chromosome Research (Calcutta)	4	
47.	Journal of Cytology and Genetics (Bangalore)	5	
48.	Indian review of Life Sciences (Jodhpur)	4	
49.	Proceedings INSA (New Delhi)	6	
50.	Proceedings National Academy of Sciences	4	
51.	National Academy Science Letters (Allahabad)	15	
52.	Brazilian Journal of zoology(Brazil)	1	
53.	Drosophila Information Service (U.S.A)	27	

Participation in conferences/seminars: 13

No. of Orientation Programme/ Refreshers Courses Attended:

No. of Training Programme/ Workshops Attended:

Awards and Distinctions: 9

Fellowship of Societies/Academies/Awards

- Emeritus Scientist CSIR 2011

- Honored by Vice-chancellor, MD University, Rohtak in recognition of academic achievements (2000)
- Fellow of National Academy of Sciences (1996)
- Young scientist award: S.Z.Qasim Gold Medal of the Society of Biosciences (1994)
- Fellow, Zoological Society, London
- Fellow, Linnean Society, London
- Fellow, Royal Entomological Society, UK
- Fellow, Society of Cytologists and Geneticists (India)
- Fellow, Zoological Society of India

Assignments outside M.D. University, Rohtak

a. India:

- Executive council member of Haryana State Council of Science and Technology, Chandigarh
- Member of selection committees for Life-sciences at Banaras Hindu University, Varanasi; Devi Ahilya University, Indore; Banasthali Vidyapith (Deemed University), Banasthali; Himachal Pradesh University, Shimla; Haryana Agricultural University, Hisar; Guru Nanak Dev University, Amritsar and Jammu University, Jammu
- Expert member of several Academic committees of UGC, New Delhi and H.R.D.G., New Delhi
- Resource person for refresher courses and subject expert for Board of Studies of some universities of Punjab, J&K, HP, UP, MP, Rajasthan, Gujarat and Haryana

b Abroad:

- Member, Research Board of Advisors of American Biographical Institute, USA (2001)
- Centre Nationale Recherche Scientifique (CNRS), Gif-Sur-Yvette, Paris, France (1996)
- Hungarian Academy of Sciences, Szeged, Hungary (1991)

9. Other contributions:

SCIENCE ARTICLES

- **Parkash,R.** (1987). Genetic status of endangered Cheetah. **Science Reporter** 24: 418-420
- **.Parkash,R.** (1988). Antisense RNA. **Everyman's Science (ISCA)** 23: 8-9.
- **Parkash,R.** (1988). Eukaryotic genome paradox. **Everyman's Science (ISCA)** 23: 65-68.
- **Parkash,R.** (1988). The role of the Y chromosome. **Science Reporter** 25(8): 459.
- **Parkash,R.** (1988). Evolution in action. **Everyman's Science (ISCA)** 23: 189-191.

- **Parkash,R.** (1989). C-value paradox. **Everyman's Science (ISCA)** 24: 56-58.
- **Parkash,R.** (1989). Molecular Evolution: some innovative hypotheses. **Everyman's Science (ISCA)** 24: 124-127.
- **Parkash,R.** (1989). Natural selection in operation. **Science Reporter** 26: 91-92.
- **Parkash,R.** (1989). Evolution at molecular level: **Darwinian or Non-Darwinian.** **Biodigest** 3: 12-13.
- **Parkash,R.** (1990). Artificial chromosomes. **Everyman's Science (ISCA)** 25: 6-8.
- **Parkash,R.** (1990). Genetic polymorphism. **Everyman's Science (ISCA)** 25: 151-157.
- **Parkash,R.** (1990). Human mitochondrial DNA evolution. **Biodigest** 4: 56.
- **Parkash,R.** (1990). Sex ratios. **Biodigest** 4: 16.
- **Parkash,R.** (1990). Protein polymorphism - its adaptive and taxonomic significance. **Biology education (U.G.C.)** 7(4): 304-313.
- **Parkash,R.** (1991). Gene families. **Biology Education (U.G.C.)** 8(2): 122-125.
- **Parkash,R.** (1991). Macroevolution. **Everyman's Science (ISCA)** 26(6): 201-203.
- **Parkash,R.** (1991). Genic diversity in animal and plant populations. **Science and Culture** 57 (3 and 4): 62-70.
- **Parkash,R.** and **Yadav,J.P.** (1991). DNA fingerprinting. **Everyman's Science** 26(6): 206-207.
- **Parkash,R.** (1992). Isozyme polymorphism. **Everyman's Science** 27(6): 188-192.
- **Parkash,R.** (1992). Directed gene evolution. **Everyman's Science** 27(1): 16-18.
- **Parkash,R.** (1992). Genetic control of behaviour. **Biology Education (U.G.C.)** 9(4): 332-336.
- **Parkash,R.** (1993). Conservation of genetic resources. **Biology Education (U.G.C.)** 10(3): 170-174
- **Parkash,R.** (1993). Habitat selection. **Biology Education (U.G.C.)** 10(3): 147-151.
- **Parkash,R.** (1993). Electrophoretic analysis of genetic variability. **J. Nature Conservation** 5(2) : 53-64.
- **Parkash,R.** (1994). Animal mitochondrial DNA evolution. **Everyman's Science:** 28(2): 48-51.

- **Parkash,R.** (1994). Animal Embryos. **Everyman's Science (ISCA):** 28(3): 101.
- **Parkash,R.** (1994). Genetic basis of speciation. **Biology Education (U.G.C.)** 11(2): 74-79.
- **Parkash,R.** (1994). Genetic variations in some colonising plants. **Everyman's Science:** 29(6): 188-191.
- **Parkash,R.** (1994). Genetic basis of adaptations. **Everyman's Science (ISCA)** 30(6): 199-203.
- **Parkash,R.** (1994). Geographical variations in natural populations. **Biology Education (U.G.C.)** 11: 289-296.
- **Parkash,R.** (1994). Genetic Mosaics. **Biology Education (U.G.C.)** 11(1): 10-15.
- **Parkash,R.** (1994). Gene Therapy. **Biology Education (U.G.C.)** 11(1): 24-28.
- **Parkash,R.** (1994). Molecular Evolution. **Biology Education (U.G.C.)** 11(3): 192-199.
- **Parkash,R.** (1994). Neutralist versus Selectionist hypotheses. **Biology Education** 11(4) : 299—302.
- **Parkash,R.** (1996). Adaptive significance of genetic variation. **Everyman's Science** 31(3): 86-90.
- **Parkash,R.** (1996). Origin of Life. **Everyman's Science (ISCA)** 31(4): 103-106.
- **Parkash,R.** (1997). Human genetic diversity. **Everyman's Science (ISCA)** 32(2): 61-64.
- **Parkash,R** (1998). How Genes Evolve. **Resonance** 3(2): 28-34
- **Parkash,R.** (1999). Gene concept. **Everyman's Science** 34(3), 105-113
- **Parkash,R.** (2000). Molecular Evolutionary Trees. **Everyman's Science** 35(2): 63-68.

Review Articles:

1. **Parkash,R.** (1987). Genetic polymorphism in natural populations. **Indian Review of Life Sciences** 7: 141-164.
2. **Parkash,R.** (1994). Latitudinal genetic divergence in Indian and other continental populations of *D.melanogaster*. **Indian Review of Life Sciences** 14: 155-179.
3. **Parkash,R.** (1995). Ecological and Population genetics of *Drosophila melanogaster* from India. **Advances in Biosciences** 457-478.

4. **Parkash,R.** (1996). Genetic polymorphism in natural populations of some colonising drosophilids of Indian subcontinent. **Recent Advances in Biosciences** 1-26.
5. **Ravi Parkash** (1999) "Phenotypic plasticity and adaptations to environmental stress in *Drosophila* species populations from the Indian subcontinent" **Insect and Environment**, Editor Prof. H.R. Pajni, 1-14.
6. **Ravi Parkash** (1999) "Genetic diversity for climatic adaptations in Indian *Drosophila* species and populations" **Environment and Health**, 221-226.
7. **Ravi Parkash** (2000) "Geographical variations and climatic adaptations in Indian populations of *Drosophila melanogaster* (Meigen) in Environmental protection Eds. A.K. Thukral and G.S. Virk" **Scientific Publisher, Jodhpur, India**, pp 123-129.
8. **Ravi Parkash** (2007) Molecular pathology of single gene disorders in man: A Review. **Journal of Applied Biosciences**, **33(2)**: 89-95.
9. **Parkash R**(2007) Developmental toxicity impact of environmental chemicals on humans and wild-life. **Toxicology eds Dwivedi and Dwivedi**. 1-13.
10. **Parkash R** (2007) Pathogenic mutation –A dynamic concept in **Environmental Pollution and Global Health**. Saharan R. P. & P. K. Sareen (Eds.) 33-38.
11. **Parkash R** (2007) Environmental health assaults of heavy metals and teratogens in humans. **Toxicology eds Dwivedi and Dwivedi**.187-200.