

PART A - RESEARCH AT CIMMYT AND WITH ADVANCED INSTITUTIONS

- 1967 ATHWAL** D S Athwal and N E Borlaug*. Genetic male sterility in wheat breeding *Indian J. Genetics and Plant Breeding* **27** 136-142
With Ohio State University, Columbus (Ohio) US and Punjab Agricultural University, Ludhiana IN
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- 1968 CASAS** Eduardo Casas, W D Hanson and E J Wellhausen*. Genetic relationships among collections representing three Mexican race composites of *Zea mays* L. *Genetics* **59** 299-310
With North Carolina State University, Raleigh (North Carolina) US and Colegio de Postgraduados, Chapingo MX
- 1968 CASTRO** M Castro G*, C O Gardner and J H Lonquist*. Cumulative gene effects and the nature of heterosis in maize crosses involving genetically diverse races *Crop Science* **8** 97-101
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- 1969 CADY** F B Cady and R J Laird*. Bias error in yield functions as influenced by treatment design and postulated model *Soil Science Soc. America Proc.* **33** 282-286
With University of Kentucky, Lexington (Kentucky) US
- 1969 LAIRD** R J Laird* and F B Cady. Combined analysis of yield data from fertilizer experiments *Agronomy J.* **61** 829-834
With University of Kentucky, Lexington (Kentucky) US
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- 1970 RIES** S K Ries, O Moreno*, W F Meggitt, C J Schweizer and S A Ashkar. Wheat seed protein: chemical influence on and relationship to subsequent growth and yield in Michigan and Mexico *Agronomy J.* **62** 746-748
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- 1972 RAJARAM** S Rajaram, F J Zillinsky and N E Borlaug. Sources of adult leaf rust resistance in triticale *Indian Phytopathology* **25** 442-448
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- 1973 BORLAUG** Norman E Borlaug and Oddvar H Aresvik. The green revolution - an approach to agricultural development and some of its economic implications *International J. Agrarian Affairs* **5** 385-403
- 1973 LUXMOORE** R J Luxmoore, R A Fischer* and L H Stolzy. Flooding and soil temperature effects on wheat during grain filling *Agronomy J.* **65** 361-364
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- 1974 ANDERSON** Jock R Anderson. Risk efficiency in the interpretation of agricultural production research *Review of Marketing and Agricultural Economics* **42** 131-184
With University of New England, Armidale (New South Wales) AU
- 1974 BATES** L S Bates, A Campos V*, R Rodriguez R* and R G Anderson*. Progress toward novel cereal grains *Cereal Science Today* **19** 283-284,286
With Kansas State University, Manhattan (Kansas) US
- 1974 GOLDSWORTHY-1** P R Goldsworthy and M Colegrove. Growth and yield of highland maize in Mexico *J. Agricultural Science (Cambridge GB)* **83** 213-221 AGRIS 75-016179

1974 GOLDSWORTHY-2 P R Goldsworthy, A F E Palmer and D W Sperling. Growth and yield of lowland tropical maize in Mexico *J. Agricultural Science (Cambridge GB)* **83** 223-230 AGRIS 75-016178

1974 SAARI E E Saari* and Roy D Wilcoxson. Plant disease situation of high-yielding dwarf wheats in Asia and Africa *Annual Review of Phytopathology* **12** 49-68
With University of Minnesota, St. Paul (Minnesota) US

1974 SRIWATANAPONGSE Sutat Sriwatanapongse, E C Johnson, S K Vasal and E Villegas. Inheritance of kernel vitreosity in opaque-2 maize *SABRAO Journal* **6** 1-7

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With Cornell University, Ithaca (New York) US

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With University of Wisconsin, Madison (Wisconsin) US

1976 AITKEN Yvonne Aitken. Non-destructive method for estimation of tassel initiation in maize (*Zea mays* L.) *J. Australian Inst. Agricultural Science* **42** 65-66 AGRIS 77-130103
With University of Melbourne, Parkville (Victoria) AU

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- 1976 FISCHER-4** R A Fischer and D R Laing. Yield potential in a dwarf spring wheat and response to crop thinning *J. Agricultural Science (Cambridge GB)* **87** 113-122
- 1976 FISCHER-5** R A Fischer, I Aguilar M, R Maurer O and S Rivas A. Density and row spacing effects on irrigated short wheats at low latitude *J. Agricultural Science (Cambridge GB)* **87** 137-147 AGRIS 77-148096
- 1976 FISCHER-6** R A Fischer and P C Wall. Wheat breeding in Mexico and yield increases *J. Australian Inst. Agricultural Science* **42** 139-148 AGRIS 78-225487
- 1976 JOVANOVIĆ** C Jovanovic, P Shivaji, B Dzah and L Kausal. The use of genetic modifiers to enhance the performance of opaque-2 maize *Genetika (Beograd CS)* **8** 17-26 AGRIS 77-129810
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- 1976 RANDOLPH** L F Randolph. Contributions of wild relatives of maize to the evolutionary history of maize: a synthesis of divergent hypotheses I *Economic Botany* **30** 321-345 AGRIS 77-148769
With Cornell University, Ithaca (New York) US
- 1976 SINGH** Shree P Singh. Modified vitreous endosperm recombinants from crosses of normal and high lysine sorghum *Crop Science* **16** 296-297 AGRIS 76-099753
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- 1977 AITKEN** Yvonne Aitken. Evaluation of maturity genotype - climate interactions in maize (*Zea mays* L.) *Z. Pflanzenzüchtung* **78** 216-237 AGRIS 77-197454
With University of Melbourne, Parkville (Victoria) AU
- 1977 BATES** L S Bates, E Moreno*, F J Zillinsky* and K A Mujeeb. Effect of E-amino caproic acid foliar spray on seed set and embryo formation in *Triticum turgidum* L. var. durum x *Secale cereale* *Chemico-Biological Interactions* **17** 363-365
With Kansas State University, Manhattan (Kansas) US
- 1977 BIDINGER** F Bidinger, R B Musgrave and R A Fischer. Contribution of stored pre-anthesis assimilate to grain yield in wheat and barley *Nature* **270** 431-433
With Cornell University, Ithaca (New York) US
- 1977 CHIBBER** B A K Chibber, E Voicu*, E T Mertz and D V Glover. Studies on corn proteins: XI. Distribution of lysine during germination of normal and opaque-2 maize *Cereal Chemistry* **54** 558-564 AGRIS 77-208490
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- 1977 FISCHER-1** R A Fischer, I Aguilar and D R Laing. Post-anthesis sink size in a high-yielding dwarf wheat: yield response to grain number *Australian J. Agricultural Research* **28** 165-175 AGRIS 77-178028
- 1977 FISCHER-2** R A Fischer, M Sanchez and J R Syme. Pressure chamber and air flow porometer for rapid field indication of water status and stomatal condition in wheat *Experimental Agriculture* **13** 341-351 AGRIS 78-257388
- 1977 FISCHER-3** R A Fischer, J H Lindt and A Glave. Irrigation of dwarf wheats in the Yaqui valley of Mexico *Experimental Agriculture* **13** 353-367 AGRIS 78-256676
- 1977 LAING** D R Laing and R A Fischer. Adaptation of semidwarf wheat cultivars to rainfed conditions *Euphytica* **26** 129-139 AGRIS 77-159195
With University of Sydney, Sydney (New South Wales) AU

1977 MOSCARDI Edgardo Moscardi* and Alain de Janvry. Attitudes toward risk among peasants: an econometric approach *American J. Agricultural Economics* **59** 710-716
With University of California, Berkeley (California) US

1977 ROGALSKA Stanislaw Rogalska. Identification of rye chromosomes in lines of hexaploid triticale *Genetica Polonica* **18** 317-324
With Institute of Genetics and Plant Breeding, Poznan PL

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With Universität Hohenheim, Stuttgart DE

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With Kansas State University, Manhattan (Kansas) US

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With Oklahoma State University, Stillwater (Oklahoma) US

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With National Institute of Animal Science, Copenhagen DK

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With Commonwealth Scientific and Industrial Research Organization CSIRO, Canberra (ACT) AU

- 1979 GAFSI** Salem Gafsi and Terry Roe. Adoption of unlike high-yielding wheat varieties in Tunisia *Economic Development and Cultural Change* **28** 119-133
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- 1979 JAMES** J James. New maize x *Tripsacum* hybrids for maize improvement *Euphytica* **28** 239-247 AGRIS 80-470249
- 1979 MUCHENA** S C Muchena, C O Grogan and A D Violic*. The effect of recurrent selection for reduction of plant and ear height on internode pattern in two tropical maize (*Zea mays* L.) populations *Canadian J. Plant Science* **59** 143-146
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- 1979 PEAIRS** F B Peairs and J L Saunders. Single-larva infestations with *Diatraea saccharalis* (F) in two tropical maize populations in Mexico *Turrialba* **29** 243-246 AGRIS 80-550595
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- 1979 SOZA** Roberto F Soza, Alejandro V Violic y Victor Claire. Defoliación para forraje en maíz *Simiente (Santiago CL)* **49** (3-4) 33-38 AGRIS 81-654438
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- 1980 MUJEEB-KAZI** A Mujeeb-Kazi and R Rodriguez. Some intergeneric hybrids in the Triticeae *Cereal Research Communications* **8** 469-475
- 1980 NELSON** Walter Nelson, H J Dubin and Sanjaya Rajaram. Norin 10 dwarfing genes present in the lines used in the CIMMYT bread wheat breeding program *Cereal Research Communications* **8** 573-574
- 1980 PEAIRS** F B Peairs and J L Saunders. External versus internal damage estimates of stalk boring by *Diatraea saccharalis* (F) in two tropical maize populations in México *Turrialba* **30** 352-354 AGRIS 81-655268
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- 1981 COLLINSON** Michael Collinson. A low cost approach to understanding small farmers *Agricultural Administration* **8** 433-450
- 1981 DUBIN** H J Dubin and E Torres. Causes and consequences of the 1976-1977 wheat leaf rust epidemic in northwest Mexico *Annual Review of Phytopathology* **19** 41-49 AGRIS 82-812880
- 1981 FISCHER** R A Fischer, F Bidinger, J R Syme and P C Wall. Leaf photosynthesis, leaf permeability, crop growth, and yield of short spring wheat genotypes under irrigation *Crop Science* **21** 367-373 AGRIS 82-744693

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- 1981 MUJEEB-KAZI-2** A Mujeeb-Kazi. *Triticum timopheevii* x *Secale cereale* crossability *J. Heredity* **72** 227-228 AGRIS 82-743996
With Kansas State University, Manhattan (Kansas) US
- 1981 MUJEEB-KAZI-3** A Mujeeb-Kazi and R Rodriguez. An intergeneric hybrid of *Triticum aestivum* L. x *Elymus giganteus* *J. Heredity* **72** 253-256 AGRIS 82-788047
- 1981 MUJEEB-KAZI-4** A Mujeeb-Kazi. Apomictic progeny derived from intergeneric *Hordeum-Triticum* hybrids *J. Heredity* **72** 284-285 AGRIS 82-787965
- 1981 PEAIRS** F B Peairs and J L Saunders. Plant damage and yield response to *Diatraea saccharalis* and *Spodoptera frugiperda* in selection cycles of two tropical maize populations in Mexico *Turrialba* **31** 55-62 AGRIS 81-687615
- 1981 PILCH-1** J Pilch. Analysis of the rye chromosome constitution and the amount of telomeric heterochromatin in the widely and narrowly adapted hexaploid triticales *Theoretical and Applied Genetics* **60** 145-149 AGRIS 82-777918
- 1981 PILCH-2** J Pilch. Rye chromosome constitution and the amount of telomeric heterochromatin of the widely and narrowly adapted CIMMYT hexaploid triticales *Z. Pflanzenzüchtung* **87** 58-68 AGRIS 82-765569
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- 1981 THOMAS** Julian B Thomas, P J Kaltsikes and R Glen Anderson. Relation between wheat-rye crossability and seed set of common wheat after pollination with other species in the Hordeae *Euphytica* **30** 121-127 AGRIS 82-754877
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- 1982 CUNFER** Barry M Cunfer and Barbara L Scolari. *Xanthomonas campestris* pv. *translucens* on triticale and other small grains *Phytopathology* **72** 683-686 AGRIS 83-902596
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- 1982 MUJEEB-KAZI-1** A Mujeeb-Kazi and M Bernard. Somatic chromosome variations in backcross I progenies from intergeneric hybrids involving some Triticeae *Cereal Research Communications* **10** 41-45 AGRIS 84-040223

- 1982 MUJEEB-KAZI-2** A Mujeeb-Kazi and R Rodriguez. Cytogenetics of hybrids of *Elymus canadensis* x *Hordeum vulgare* **J. Heredity** **73** 77-79 AGRIS 83-852276
- 1982 NAGARAJAN-1** S Nagarajan, J Kranz, E E Saari* and L M Joshi. Analysis of wheat rusts epidemic in the Indo-Gangetic plains 1976-78 **Indian Phytopathology** **35** 473-477 AGRIS 83-940256
With Justus-Liebig-Universität, Giessen DE and Indian Agricultural Research Institute, New Delhi IN
- 1982 NAGARAJAN-2** S Nagarajan, G Seiboldt, J Kranz, E E Saari* and L M Joshi. Utility of weather satellites in monitoring cereal rust epidemics **Z. Pflanzenkrankheiten und Pflanzenschutz** **89** 276-281 AGRIS 83-950326
With Justus-Liebig-Universität, Giessen DE and Indian Agricultural Research Institute, New Delhi IN
- 1982 REGER** Bonnie J Reger and Jacqueline James*. Pollen germination and pollen tube growth of sorghum when crossed to maize and pearl millet **Crop Science** **22** 140-144
With Russell Research Center (USDA), Athens (Georgia) US
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- 1983 ASLAM** M Aslam C E Wassom and K Fischer*. Relationship of maturity stages and agronomic traits in corn **Pakistan J. Agricultural Research** **4** 211-215 AGRIS 84-109008
With Kansas State University, Manhattan (Kansas) US
- 1983 BYERLEE** Derek Byerlee and Edith Hesse de Polanco. Wheat in the world food economy: increasing role in developing countries **Food Policy** **8** 67-75 AGRIS 84-000698
- 1983 DUBIN** H J Dubin. Occurrence of *Pyrenophora tritici-repentis* in the Andean countries of South America **Plant Disease** **67** 1040
- 1983 MUCHENA** S C Muchena, M R Contreras, D L Galt and F B Peairs. Progress from recurrent full-sib family selection for potential yield improvement in two tropical maize (*Zea mays* L.) populations **Field Crops Research** **7** 283-297 AGRIS 84-040196
- 1983 MUJEEB-KAZI-1** Mujeeb-Kazi and R Rodriguez. Cytogenetics of a *Hordeum vulgare* - *Triticum turgidum* hybrid and its backcross progenies with *T. turgidum* **J. Heredity** **74** 109-113 AGRIS 84-013351
- 1983 MUJEEB-KAZI-2** A Mujeeb-Kazi and R Rodriguez. Meiotic instability in *Hordeum vulgare* x *Triticum aestivum* hybrids **J. Heredity** **74** 292-296
- 1983 MULEBA-1** Nyanguila Muleba*, Tom G Hart* and Gary M Paulsen. Physiological factors affecting maize (*Zea mays* L.) yields under tropical and temperate conditions **Tropical Agriculture (Trinidad)** **60** 3-10 AGRIS 84-003060
With Kansas State University, Manhattan (Kansas) US
- 1983 MULEBA-2** Nyanguila Muleba*, Richard N Wedderburn* and Gary M Paulsen. Relationships among some morphological and physiological traits in tropical maize (*Zea mays* L.) **Tropical Agriculture (Trinidad)** **60** 197-200
With Kansas State University, Manhattan (Kansas) US
- 1983 REGER** Bonnie J Reger and Jacqueline James Sprague*. Pearl millet and sorghum pollen tube growth in pearl millet gynoecea of different ages **Crop Science** **23** 931-934 AGRIS 84-108396
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- 1983 ORTEGA** E I Ortega* and L S Bates. Biochemical and agronomic studies of two modified hard-endosperm *opaque-2* maize (*Zea mays* L.) populations *Cereal Chemistry* **60** 107-111 AGRIS 84-002285
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- 1984 GUSTAFSON** J P Gustafson, A Lukaszewski and B Skovmand. Heterochromatin content and early endosperm development in 42-chromosome spring triticale *Canadian J. Genetics and Cytology* **26** 85-90
With University of Missouri, Columbia (Missouri) US
- 1984 MIDMORE** D J Midmore, P M Cartwright and R A Fischer. Wheat in tropical environments: II. Crop growth and grain yield *Field Crops Research* **8** 207-227 and erratum **9** 87 AGRIS 84-049600 For part I, see **1982 MIDMORE**
- 1984 MUJEEB-KAZI-1** A Mujeeb-Kazi, S Roldan and J L Miranda. Intergeneric hybrids of *Triticum aestivum* L. with *Agropyron* and *Elymus* species *Cereal Research Communications* **12** 75-79
- 1984 MUJEEB-KAZI-2** A Mujeeb-Kazi and R Rodriguez. *Hordeum vulgare* x *Triticum aestivum* hybrids *Cytologia* **49** 557-565
- 1984 NAGARAJAN-1** S Nagarajan, G Seibold, J Kranz, E E Saari* and L M Joshi. Monitoring wheat rust epidemics with the Landsat-2 satellite *Phytopathology* **74** 585-587 AGRIS 85-023582
With Justus-Liebig-Universität, Giessen DE and Indian Agricultural Research Institute, New Delhi IN
- 1984 NAGARAJAN-2** S Nagarajan, J Kranz, E E Saari*, G Seiboldt, R W Stubbs and J C Zadoks. An analysis of the 1978 epidemic of yellow rust on wheat in Andalusia, Spain *Z. Pflanzenkrankheiten und Pflanzenschutz* **91** 159-170 AGRIS 85-097630
With Justus-Liebig-Universität, Giessen DE, Research Institute for Plant Protection IPO, Wageningen NL and Laboratory for Phytopathology, Wageningen NL
- 1984 PANDEY** S Pandey, S K Vasal, C de Leon, A Ortega, G Granados and E Villegas. Development and improvement of maize populations *Genetika (Beograd CS)* **16** 23-42
- 1984 SKOVMAND** B Skovmand, P N Fox and R L Villareal. Triticale in commercial agriculture: progress and promise *Advances in Agronomy* **37** 1-45 AGRIS 86-028430
- 1984 SPRAGUE** E W Sprague. Potential organization for the development of maize germplasm *Genetika (Beograd CS)* **16** 13-22, 115-130
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- 1985 EYAL** Z Eyal, A L Scharen, M D Huffman and J M Prescott*. Global insights into virulence frequencies of *Mycosphaerella graminicola* *Phytopathology* **75** 1456-1462 AGRIS 86-074185
With Montana State University, Bozeman (Montana) US
- 1985 FISCHER** R A Fischer. Number of kernels in wheat crops and the influence of solar radiation and temperature *J. Agricultural Science (Cambridge GB)* **105** 447-461
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- 1985 HEYSER** J W Heyser, M W Nabors, C MacKinnon, T A Dykes, K J Demott, D C Kautzman and A Mujeeb-Kazi*. Long-term, high-frequency plant regeneration and the induction of somatic embryogenesis in callus cultures of wheat (*Triticum aestivum* L.) *Z. Pflanzenzüchtung* **94** 218-233
With Los Alamos National Laboratory, Los Alamos (New Mexico) US and Colorado State University, Fort Collins (Colorado) US
- 1985 KANEMASU** E T Kanemasu, Joel Ransom, Dave Saunders, Janet Killeen and Masao Yoshida. Use of spectral data to assess wheat response to soil water *Field Crops Research* **12** 105-113
AGRIS 86-007213
With Kansas State University, Manhattan (Kansas) US
- 1985 MIHM** John A Mihm. Breeding for host plant resistance to maize stem-borers *Insect Science and its Applications* **6** 369-377
- 1985 MUJEEB-KAZI-1** A Mujeeb-Kazi* and Gordon Kimber. The production, cytology and practicality of wide hybrids in the Triticeae *Cereal Research Communications* **13** 111-124
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- 1985 MUJEEB-KAZI-2** A Mujeeb-Kazi and J L Miranda. Enhanced resolution of somatic chromosome constrictions as an aid to identifying intergeneric hybrids among some Triticeae *Cytologia* **50** 701-709
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- 1985 MUJEEB-KAZI-5** A Mujeeb-Kazi and M Bernard. Cytogenetics of intergeneric *Elymus canadensis* x *Triticum aestivum* hybrids (n=5x=35, SHABD) and their backcross progenies with *T. aestivum* *Z. Pflanzenzüchtung* **95** 50-62
- 1985 SCHAREN** A L Scharen, Z Eyal, M D Huffman and J M Prescott*. The distribution and frequency of virulence genes in geographically separated populations of *Leptosphaeria nodorum* *Phytopathology* **75** 1463-1468 AGRIS 86-074183
With Montana State University, Bozeman (Montana) US
- 1985 TRIPP** Robert Tripp. Anthropology and on-farm research *Human Organization*. **44** 114-124
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