## Manipulation of rhizobia microflora for improving legu A critical assessment

Plant and Soil 174, 143-180 DOI: 10.1007/bf00032245

**Citation Report** 

|    |  | EUNP |           |
|----|--|------|-----------|
| #  | Article  | IF   | CITATIONS |
| 1  | Enhancing crop legume N2 fixation through selection and breeding. Plant and Soil, 1995, 174, 51-82.  | 3.7  | 72        |
| 2  | Enhancing legume N2 fixation through plant and soil management. Plant and Soil, 1995, 174, 83-101.   | 3.7  | 142       |
| 3  | Influence of drought on competition between selected Rhizobium meliloti strains and naturalized soil rhizobia in alfalfa. Plant and Soil, 1996, 184, 231-241.  | 3.7  | 24        |
| 4  | A qualitative study of the nodulating ability of legumes of Pakistan. List 5. Acta Botanica Gallica, 1997, 144, 67-72.   | 0.9  | 1         |
| 5  | Soil Biology of the Rhizobiaceae. , 1998, , 155-172.   |      | 42        |
| 6  | Characterization of high temperature-tolerant rhizobia isolated from Prosopis juliflora grown in alkaline soil Journal of General and Applied Microbiology, 1999, 45, 213-220.                               | 0.7  | 32        |
| 7  | <i>Rhizobium</i> -Legume Symbiosis and Nitrogen Fixation under Severe Conditions and in an Arid<br>Climate. Microbiology and Molecular Biology Reviews, 1999, 63, 968-989.                                   | 6.6  | 1,241     |
| 8  | Highlights of Nitrogen Fixation Research. , 1999, , .  |      | 9         |
| 9  | Reticulated and epidemic population genetic structure ofRhizobium etlibiovarphaseoliin a traditionally managed locality in Mexico. Molecular Ecology, 1999, 8, 277-287.                                      | 3.9  | 43        |
| 10 | The Rhizosphere and Its Management To Improve Plant Growth. Advances in Agronomy, 1999, 66, 1-102.   | 5.2  | 416       |
| 11 | Persistence of introduced strains of Rhizobium leguminosarum bv trifolii in acidic soils of<br>north-eastern Victoria. Australian Journal of Experimental Agriculture, 1999, 39, 829.                        | 1.0  | 20        |
| 12 | Rhizobial inoculant formulations and soil pH influence field pea nodulation and nitrogen fixation.<br>Canadian Journal of Soil Science, 2000, 80, 395-400.   | 1.2  | 33        |
| 13 | Crossing the Limits of Rhizobium Existence in Extreme Conditions. Current Microbiology, 2000, 41, 402-409.   | 2.2  | 29        |
| 14 | Effects of Salt and pH Stress on Temperature-Tolerant Rhizobium sp. NBRI330 Nodulating Prosopis<br>juliflora. Current Microbiology, 2000, 40, 221-226.   | 2.2  | 41        |
| 15 | Distribution, abundance and symbiotic effectiveness of Rhizobium leguminosarum bv. trifolii from<br>alkaline pasture soils in South Australia. Australian Journal of Experimental Agriculture, 2000, 40, 25. | 1.0  | 58        |
| 16 | Environmental factors affecting N2 fixation in grain legumes in the tropics, with an emphasis on<br>Brazil. Field Crops Research, 2000, 65, 151-164.   | 5.1  | 499       |
| 17 | Agricultural management of grain legumes: has it led to an increase in nitrogen fixation?. Field Crops<br>Research, 2000, 65, 165-181.   | 5.1  | 306       |
| 18 | Breeding for enhanced nitrogen fixation in crop legumes. Field Crops Research, 2000, 65, 229-248.  | 5.1  | 130       |

| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Identification of tolerance to soil acidity in inoculant strains of Rhizobium leguminosarum bv.<br>trifolii. Soil Biology and Biochemistry, 2000, 32, 1393-1403.   | 8.8 | 28        |
| 20 | Nitrogen dynamics of pastures: nitrogen fixation inputs, the impact of legumes on soil nitrogen<br>fertility, and the contributions of fixed nitrogen to Australian farming systems. Australian Journal of<br>Experimental Agriculture, 2001, 41, 327. | 1.0 | 171       |
| 21 | Nutritional constraints on root nodule bacteria affecting symbiotic nitrogen fixation: a review.<br>Australian Journal of Experimental Agriculture, 2001, 41, 417.   | 1.0 | 182       |
| 23 | Competition for Nodule Occupancy Between Introduced Strains of Rhizobium leguminosarum Biovar trifolii and its Influence on Plant Production. Annals of Botany, 2001, 88, 781-787.   | 2.9 | 18        |
| 24 | Genetic diversity of rhizobia from natural populations varies with the soil dilution sampled. Soil<br>Biology and Biochemistry, 2001, 33, 841-843.   | 8.8 | 20        |
| 25 | Rhizobial ecology as affected by the soil environment. Australian Journal of Experimental<br>Agriculture, 2001, 41, 289.   | 1.0 | 65        |
| 26 | Evaluation of coated seeds as a <i>Rhizobium</i> delivery system for field pea. Canadian Journal of<br>Plant Science, 2001, 81, 247-253.   | 0.9 | 25        |
| 27 | Determination of competitive abilities of Bradyrhizobium japonicum strains in soils from soybean production regions in South Africa. Biology and Fertility of Soils, 2001, 33, 181-189.  | 4.3 | 15        |
| 28 | Competition between effective and less effective strains of Bradyrhizobium spp. for nodulation on<br>Vigna radiata. Biology and Fertility of Soils, 2001, 33, 382-386.   | 4.3 | 23        |
| 29 | Acacia species and rhizobial interactions: Implications for restoration of native vegetation.<br>Ecological Management and Restoration, 2001, 2, 213-219.  | 1.5 | 18        |
| 30 | Application of molecular techniques to studies in Rhizobium ecology: a review. Australian Journal of<br>Experimental Agriculture, 2001, 41, 299.   | 1.0 | 38        |
| 31 | Nitrogen fixation by common bean (Phaseolus vulgaris L.) in pure and mixed stands in semi-arid<br>south-east Kenya. European Journal of Agronomy, 2001, 14, 1-12.  | 4.1 | 60        |
| 32 | Field comparison of pre-inoculated alfalfa seed and traditional seed inoculation with inoculant<br>prepared in sterile or non-sterile peat. Communications in Soil Science and Plant Analysis, 2001, 32,<br>2091-2107.                                 | 1.4 | 3         |
| 33 | Nitrogen Fixation and Agricultural Practice. , 2002, , 391-420.  |     | 15        |
| 34 | Competition between inoculant and naturalised Rhizobium leguminosarum bv. trifolii for nodulation of annual clovers in alkaline soils. Australian Journal of Agricultural Research, 2002, 53, 1019.  | 1.5 | 36        |
| 35 | Interorganismal signaling in suboptimum environments: The legume-rhizobia symbiosis. Advances in<br>Agronomy, 2002, 76, 125-161.   | 5.2 | 52        |
| 36 | Advances in Rhizobium Research. Critical Reviews in Plant Sciences, 2002, 21, 323-378.   | 5.7 | 246       |
| 37 | Diversity among rhizobiophages from rhizospheres of legumes inhabiting three ecogeographical regions of India. Soil Biology and Biochemistry, 2002, 34, 965-973.   | 8.8 | 30        |

|    |   | CITATION REPOR | Т     |         |
|----|---|----------------|-------|---------|
| #  | Article   | IF             | Сп    | TATIONS |
| 38 | Evaluation of Rhizobial Inoculation Methods for Chickpea. Agronomy Journal, 2002, 94, 851-859.  | 1.8            | 3 56  |         |
| 39 | Colony variation in Sinorhizobium meliloti inoculant strain U 45. Microbiological Research, 2002, 283-292.  | 157, 5.3       | 3 8   |         |
| 40 | Evaluation of inoculation procedures for Calliandra calothyrsus Meisn. grown in tree nurseries.<br>Biology and Fertility of Soils, 2002, 36, 124-128.   | 4.3            | 3 15  |         |
| 41 | Bradyrhizobium sp. ( Lupinus ) in the winter rainfall region of South Africa. Biology and Fertility of Soils, 2002, 36, 335-343.  | 4.8            | 3 8   |         |
| 42 | Effect of Drought on the Growth and Survival of the Stress-Tolerant Bacterium Rhizobium sp.<br>NBRI2505 sesbania and Its Drought-Sensitive Transposon Tn 5 Mutant. Current Microbiology, 20<br>368-377.   | 02, 45, 2.2    | 2 46  |         |
| 43 | Mediating mutualisms: farm management practices and evolutionary changes in symbiont co-operation. Journal of Applied Ecology, 2002, 39, 745-754.   | 4.0            | ) 89  |         |
| 44 | The contribution of arbuscular mycorrhizal fungi in sustainable maintenance of plant health and s<br>fertility. Biology and Fertility of Soils, 2003, 37, 1-16.   | soil 4.3       | 3 780 | 6       |
| 45 | Competitive abilities of common field isolates and a commercial strain of Rhizobium leguminosar<br>bv. trifolii for clover nodule occupancy. Soil Biology and Biochemistry, 2003, 35, 1039-1048.  | um 8.8         | 3 35  |         |
| 46 | Nodulation of tree legumes and the ecology of their native rhizobial populations in tropical soils.<br>Applied Soil Ecology, 2003, 22, 211-223.   | 4.3            | 3 37  |         |
| 47 | Rhizobium etli and Rhizobium gallicum Nodulate Common Bean ( Phaseolus vulgaris ) in a<br>Traditionally Managed Milpa Plot in Mexico: Population Genetics and Biogeographic Implications.<br>Applied and Environmental Microbiology, 2003, 69, 884-893. | 3.1            | L 10  | 5       |
| 49 | Contributions of Rhizobia to Soil Nitrogen Fertility. , 2007, , 99-128.   |                | 4     |         |
| 50 | Inoculant formulation and fertilizer nitrogen effects on field pea: Crop yield and seed quality.<br>Canadian Journal of Plant Science, 2004, 84, 89-96.   | 0.9            | 9 39  |         |
| 51 | Host?rhizobia interaction for effective inoculation: evaluation of the potential use of the ureide<br>assay to monitor the symbiotic performance of tepary bean (Phaseolus acutifolius A. Gray). Soil<br>Biology and Biochemistry, 2004, 36, 1223-1228. | 8.8            | 36    |         |
| 52 | Optimising the legume symbiosis in stressful and competitive environments within southern<br>Australia?some contemporary thoughts. Soil Biology and Biochemistry, 2004, 36, 1261-1273.  | 8.8            | 3 10  | 6       |
| 53 | Structure and diversity among rhizobial strains, populations and communities?a review. Soil Biolo and Biochemistry, 2004, 36, 1295-1308.  | ogy 8.8        | 3 64  |         |
| 54 | Effects of resident rhizobial communities and soil type on the effective nodulation of pulse legun<br>Soil Biology and Biochemistry, 2004, 36, 1339-1346.   | nes. 8.8       | 3 49  |         |
| 55 | Effect of soil bradyrhizobia on the success of soybean inoculant strain CB 1809. Microbiological<br>Research, 2004, 159, 219-231.   | 5.3            | 3 33  |         |
| 56 | Trace gas emissions from soil of the central highlands of Mexico as affected by natural vegetation laboratory study. Biology and Fertility of Soils, 2004, 40, 252-259.   | n: a 4.3       | 3 11  |         |

| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 57 | Biological control of Pythium damping-off of pea and sugar beet by Rhizobium leguminosarum bv.<br>viceae. Canadian Journal of Botany, 2004, 82, 291-296.  | 1.1 | 60        |
| 58 | Optimising the legume symbiosis in stressful and competitive environments within southern<br>Australia?some contemporary thoughts. Soil Biology and Biochemistry, 2004, 36, 1261-1261.  | 8.8 | 3         |
| 59 | Inoculant formulation and fertilizer nitrogen effects on field pea: Nodulation, N <sub>2</sub><br>fixation and nitrogen partitioning. Canadian Journal of Plant Science, 2004, 84, 79-88.   | 0.9 | 63        |
| 60 | Host?rhizobia interaction for effective inoculation: evaluation of the potential use of the ureide<br>assay to monitor the symbiotic performance of tepary bean (Phaseolus acutifolius A. Gray). Soil<br>Biology and Biochemistry, 2004, 36, 1223-1223. | 8.8 | 0         |
| 61 | Survey of the productivity, composition and estimated inputs of fixed nitrogen by pastures in central-western New South Wales. Australian Journal of Experimental Agriculture, 2004, 44, 1165.  | 1.0 | 11        |
| 62 | Evidence of selection for effective nodulation in the Trifolium spp. symbiosis with Rhizobium<br>leguminosarum biovar trifolii. Australian Journal of Experimental Agriculture, 2005, 45, 189.  | 1.0 | 44        |
| 63 | Effect of formulation and placement of Mesorhizobium inoculants for chickpea in the semiarid<br>Canadian prairies. Canadian Journal of Plant Science, 2005, 85, 555-560.  | 0.9 | 17        |
| 64 | Pea ( Pisum sativum L.). , 2005, , .  |     | 5         |
| 65 | Growth Tolerance of Rhizobia Isolated from Sand Dune Legumes of the Southwest Coast of India.<br>Engineering in Life Sciences, 2005, 5, 134-138.  | 3.6 | 17        |
| 66 | Symbiotic and saprophytic survival of three unmarked Rhizobium leguminosarum biovar trifolii strains introduced into the field. Environmental Microbiology, 2005, 7, 1049-1058.   | 3.8 | 24        |
| 67 | Host range and saprophytic competence of Sinorhizobium meliloti — a comparison of strains for the<br>inoculation of lucerne, strand and disc medics. Australian Journal of Experimental Agriculture, 2005,<br>45, 209.                                  | 1.0 | 6         |
| 68 | Selection and evaluation of root nodule bacteria for Dorycnium spp Australian Journal of<br>Experimental Agriculture, 2005, 45, 241.  | 1.0 | 3         |
| 69 | Fingerprinting the Australian rhizobial inoculant mother cultures using refined PCR protocols yields<br>beneficial inoculant management applications. Australian Journal of Experimental Agriculture, 2005,<br>45, 141.                                 | 1.0 | 5         |
| 70 | Fall vs. spring rhizobial inoculation of chickpea. Canadian Journal of Plant Science, 2005, 85, 893-896.  | 0.9 | 5         |
| 71 | Indigenous rhizobia associated with native shrubby legumes in Taiwan. Pedobiologia, 2005, 49, 577-584.  | 1.2 | 27        |
| 72 | Inoculant Preparation, Production and Application. , 2005, , 223-253.   |     | 45        |
| 73 | Soil Stress Factors Influencing Symbiotic Nitrogen Fixation. , 2005, , 89-112.  |     | 30        |
| 75 | Rhizosphere biology and crop productivity—a review. Soil Research, 2006, 44, 299.   | 1.1 | 107       |

|    | CITATION RE  | PORT             |             |
|----|--|------------------|-------------|
| #  | Article  | IF               | CITATIONS   |
| 76 | Rhizobial Inoculants for Legume Crops. Journal of Crop Improvement, 2006, 15, 289-321.   | 1.7              | 34          |
| 77 | Effect of weed management on weeds, and on the nodulation, nitrogenase activity, growth and yield<br>of pea (Pisum sativum). Acta Agronomica Hungarica: an International Multidisciplinary Journal in<br>Agricultural Science, 2006, 54, 469-485.  | 0.2              | 3           |
| 78 | Molecular diversity of rhizobia nodulating the invasive legume Cytisus scoparius in Australia. Journal of Applied Microbiology, 2006, 100, 1228-1238.  | 3.1              | 42          |
| 79 | The abundance and efficacy of Rhizobium leguminosarum bv. viciae in cultivated soils of the eastern<br>Canadian prairie. Soil Biology and Biochemistry, 2006, 38, 294-302.   | 8.8              | 48          |
| 80 | Isolation, identification and seasonal distribution of soilborne fungi in tea growing areas of<br>Iyidere-Ikizdere vicinity (Rize-Turkey). Journal of Basic Microbiology, 2006, 46, 208-218.   | 3.3              | 12          |
| 81 | Effect ofRhizobiuminoculation on forage and seed yield and yield components of common vetch (Vicia) Tj ETQq1 2006, 56, 235-240.  | 1 0.78433<br>0.6 | 14 rgBT /Ov |
| 82 | Nitrogen Economy of Pulse Crop Production in the Northern Great Plains. Agronomy Journal, 2007,<br>99, 1710-1718.  | 1.8              | 124         |
| 83 | Nodulation of Medicago truncatula and Medicago polymorpha in two pastures of contrasting soil pH and rhizobial populations. Applied Soil Ecology, 2007, 35, 441-448.   | 4.3              | 10          |
| 84 | Prospects For The Future Use Of Legumes. , 2008, , 363-394.  |                  | 13          |
| 85 | Inoculation Technology For Legumes. , 2008, , 77-115.  |                  | 14          |
| 86 | Large genotypic variation but small variation in N2fixation among rhizobia nodulating red clover in soils of northern Scandinavia. Journal of Applied Microbiology, 2007, 102, 1625-1635.  | 3.1              | 24          |
| 87 | Competitive ability of selected Cyclopia Vent. rhizobia under glasshouse and field conditions. Soil<br>Biology and Biochemistry, 2007, 39, 58-67.  | 8.8              | 16          |
| 88 | Symbiotic and genomic diversity of â€~cowpea' bradyrhizobia from soils in Botswana and South Africa.<br>Biology and Fertility of Soils, 2007, 43, 653-663.   | 4.3              | 29          |
| 89 | Competition for nodule formation between introduced strains of Mesorhizobium ciceri and the native populations of rhizobia nodulating chickpea (Cicer arietinum) in Tunisia. World Journal of Microbiology and Biotechnology, 2007, 23, 1195-1201. | 3.6              | 41          |
| 90 | Response of Sesbania sesban (L.) Merr. to rhizobial inoculation in an N-deficient soil containing low numbers of effective indigenous rhizobia. Agroforestry Systems, 2007, 70, 211-216.   | 2.0              | 12          |
| 91 | Diversity of Rhizobial Bacteria Isolated from Nodules of the Gypsophyte Ononis tridentata L. Growing<br>in Spanish Soils. Microbial Ecology, 2008, 56, 223-233.  | 2.8              | 34          |
| 92 | Isolation and Characterization of a Novel Cross-Infective Rhizobia from Sesbania aculeata (Dhaincha).<br>Current Microbiology, 2008, 56, 48-54.  | 2.2              | 16          |
| 93 | Effects of inorganic fertilizers on biological nitrogen fixation and seedling growth of some agroforestry trees in Bangladesh. Journal of Forestry Research, 2008, 19, 303-306.  | 3.6              | 11          |

| #   | Article   | lF  | CITATIONS |
|-----|---|-----|-----------|
| 94  | Selection of High Nitrogenâ€Fixing Rhizobia Nodulating Chickpea ( <i>Cicer arietinum</i> ) for Semiâ€Arid<br>Tunisia. Journal of Agronomy and Crop Science, 2008, 194, 413-420.             | 3.5 | 22        |
| 95  | Chapter 7 Ameliorating Soil Acidity of Tropical Oxisols by Liming For Sustainable Crop Production.<br>Advances in Agronomy, 2008, 99, 345-399.  | 5.2 | 349       |
| 96  | Evaluation of genetic diversity of bradyrhizobia strains nodulating soybean [Glycine max (L.) Merrill]<br>isolated from South Brazilian fields. Applied Soil Ecology, 2008, 38, 261-269.    | 4.3 | 60        |
| 97  | Phylogenetic and symbiotic characterization of rhizobial bacteria nodulating Argyrolobium uniflorum in Tunisian arid soils. Canadian Journal of Microbiology, 2008, 54, 209-217.            | 1.7 | 21        |
| 98  | Improvement of Drought Tolerance and Grain Yield in Common Bean by Overexpressing<br>Trehalose-6-Phosphate Synthase in Rhizobia. Molecular Plant-Microbe Interactions, 2008, 21, 958-966.   | 2.6 | 232       |
| 99  | Competitiveness of a native Rhizobium leguminosarum biovar trifolii strain for nodule occupancy is manifested during infection. Plant and Soil, 2009, 318, 117-126.                         | 3.7 | 17        |
| 100 | Phylogenetic Diversity and Symbiotic Effectiveness of Root-Nodulating Bacteria Associated with Cowpea in the South-West Area of Japan. Microbes and Environments, 2009, 24, 105-112.        | 1.6 | 25        |
| 101 | Nutrients Use Efficiency in Legume Crops to Climatic Changes. , 2010, , 193-206.  |     | 2         |
| 102 | Competition for nodule occupancy between introduced and native strains of Rhizobium leguminosarum biovar trifolii. Biology and Fertility of Soils, 2010, 46, 419-425.                       | 4.3 | 27        |
| 103 | Genetic diversity and salt tolerance of Sinorhizobium populations from two Tunisian soils. Annals of Microbiology, 2010, 60, 541-547.   | 2.6 | 19        |
| 104 | Improving N2 fixation from the plant down: Compatibility of Trifolium subterraneum L. cultivars with soil rhizobia can influence symbiotic performance. Plant and Soil, 2010, 327, 261-277. | 3.7 | 32        |
| 105 | Growth Promotion of Legumes by Inoculation of Rhizosphere Bacteria. , 2010, , 195-235.  |     | 25        |
| 106 | Enhancing Rhizobium–Legume Symbiosis Using Signaling Factors. , 2010, , 27-54.  |     | 17        |
| 107 | Recent Advances in Rhizobium–Legume Interactions: A Proteomic Approach. , 2010, , 81-101.   |     | 1         |
| 108 | Engineering Nodulation Competitiveness of Rhizobial Bioinoculants in Soils. , 2010, , 157-194.  |     | 6         |
| 109 | Symbiotic Nitrogen Fixation in Tropical Food Grain Legumes: Current Status. , 2010, , 427-472.  |     | 11        |
| 110 | The Potential Use of Rhizobium–Legume Symbiosis for Enhancing Plant Growth and Management of<br>Plant Diseases. , 2010, , 495-514.  |     | 5         |
| 111 | Microbial Inoculants for Sustainable Legume Production. , 2010, , 515-536.  |     | 3         |

| #   | Article  | IF               | CITATIONS             |
|-----|--|------------------|-----------------------|
| 112 | Faba bean in cropping systems. Field Crops Research, 2010, 115, 203-216.   | 5.1              | 382                   |
| 113 | The biodiversity of beneficial microbe-host mutualism: the case of rhizobia. Research in Microbiology, 2010, 161, 453-463.   | 2.1              | 118                   |
| 114 | Climate Change and Management of Cool Season Grain Legume Crops. , 2010, , .   |                  | 25                    |
| 115 | Extraction and Analysis of Inositols and Other Carbohydrates from Soybean Plant Tissues. , 2011, , .   |                  | 4                     |
| 116 | A C Subunit of the Plant Nuclear Factor NF-Y Required for Rhizobial Infection and Nodule<br>Development Affects Partner Selection in the Common Bean– <i>Rhizobium etli</i> Symbiosis Â. Plant<br>Cell, 2011, 22, 4142-4157.                           | 6.6              | 91                    |
| 117 | Selecting improved Lotus nodulating rhizobia to expedite the development of new forage species.<br>Plant and Soil, 2011, 348, 231-243.   | 3.7              | 12                    |
| 118 | A re-appraisal of the biology and terminology describing rhizobial strain success in nodule occupancy<br>of legumes in agriculture. Plant and Soil, 2011, 348, 255-267.  | 3.7              | 37                    |
| 119 | The effect of soil carbon on symbiotic nitrogen fixation and symbiotic <i>Rhizobium</i> populations in soil with <i>Trifolium repens</i> as host plant. African Journal of Range and Forage Science, 2011, 28, 121-127.                                | 1.4              | 10                    |
| 120 | Phenotypic and genotypic characterizations of rhizobia isolated from root nodules of multiple<br>legume species native of Fez, Morocco. African Journal of Microbiology Research, 2012, 6, .   | 0.4              | 22                    |
| 121 | Agronomic and environmental drivers of population size and symbiotic performance of Rhizobium<br>leguminosarum bv. viciae in Mediterranean-type environments. Crop and Pasture Science, 2012, 63, 467.   | 1.5              | 18                    |
| 122 | Potential of indigenous bradyrhizobia versus commercial inoculants to improve cowpea ( <i>Vigna) Tj ETQq0 0 0 and Plant Nutrition, 2012, 58, 750-763.</i>  | rgBT /Ove<br>1.9 | erlock 10 Tf 50<br>44 |
| 123 | Mutually beneficial legume symbioses with soil microbes and their potential for plant production.<br>Symbiosis, 2012, 58, 51-62.   | 2.3              | 19                    |
| 124 | Compatibility of <i>Mesorhizobium</i> sp. <i>Cicer</i> with seed treatment of fungicide and insecticide in chickpea. Archives of Agronomy and Soil Science, 2012, 58, 115-123.   | 2.6              | 3                     |
| 125 | Rhizobium–Legume Symbiosis: A Model System for the Recovery of Metal-Contaminated Agricultural Land. , 2012, , 115-127.  |                  | 6                     |
| 126 | Factors affecting the potential contributions of N2 fixation by legumes in Australian pasture systems.<br>Crop and Pasture Science, 2012, 63, 759.   | 1.5              | 77                    |
| 127 | Toxicity of Heavy Metals to Legumes and Bioremediation. , 2012, , .  |                  | 45                    |
| 128 | Genetic diversity of soybean-nodulating rhizobia in Nepal in relation to climate and soil properties.<br>Plant and Soil, 2012, 357, 131-145.   | 3.7              | 54                    |
| 129 | Efficiency of different formulations of Bradyrhizobium japonicum and effect of co-inoculation of<br>Bacillus subtilis with two different strains of Bradyrhizobium japonicum. World Journal of<br>Microbiology and Biotechnology, 2012, 28, 2541-2550. | 3.6              | 74                    |

| #   | Article   | IF                | CITATIONS |
|-----|---|-------------------|-----------|
| 130 | Role of allelopathic compounds in the regulation and development of legume-rhizobial symbiosis.<br>Applied Biochemistry and Microbiology, 2012, 48, 355-362.  | 0.9               | 13        |
| 131 | Multicomponent symbiosis of legumes with beneficial soil microorganisms: Genetic and evolutionary bases of application in sustainable crop production. Russian Journal of Genetics: Applied Research, 2012, 2, 177-189. | 0.4               | 4         |
| 132 | Characterization of rhizobia from legumes of agronomic interest grown in semiâ€arid areas of Central<br>Spain relates genetic differences to soil properties. Journal of Basic Microbiology, 2012, 52, 66-78.           | 3.3               | 19        |
| 133 | Diversity of rhizobia nodulating sulla (Hedysarum coronarium L.) and selection of inoculant strains for semi-arid Tunisia. Annals of Microbiology, 2012, 62, 77-84.   | 2.6               | 8         |
| 134 | Nitrogen contributions from faba bean (Vicia faba L.) reliant on soil rhizobia or inoculation. Plant<br>and Soil, 2013, 365, 363-374.   | 3.7               | 37        |
| 135 | Induced plant defense via volatile production is dependent on rhizobial symbiosis. Oecologia, 2013, 172, 833-846.   | 2.0               | 80        |
| 136 | Plant Microbe Symbiosis: Fundamentals and Advances. , 2013, , .   |                   | 25        |
| 137 | Vegetation and Soil Development inÂCompostâ€Amended Iron Oxide Precipitates atÂaÂ50â€Yearâ€Old Acid Miı<br>Drainage Barrens. Restoration Ecology, 2013, 21, 320-328.  | <sup>ne</sup> 2.9 | 6         |
| 138 | Potential of Rhizosphere Bacteria for Improving Rhizobium-Legume Symbiosis. , 2013, , 305-349.  |                   | 11        |
| 139 | Isolation and characterization of salt-tolerant rhizobia native to the desert<br>soils of United Arab Emirates. Emirates Journal of Food and Agriculture, 2013, 25, 102.  | 1.0               | 20        |
| 140 | Assessing Genotypic Diversity and Symbiotic Efficiency of Five Rhizobial Legume Interactions Under<br>Cadium Stress for Soil Phytoremediation. International Journal of Phytoremediation, 2013, 15, 938-951.            | 3.1               | 9         |
| 141 | Response of grain legumes to rhizobial inoculation in two savanna soils of Nigeria. African Journal of Microbiology Research, 2013, 7, 1332-1342.   | 0.4               | 9         |
| 142 | Response of Cowpea, Soya Beans and Groundnuts to Non-Indigenous Legume Inoculants. Sustainable<br>Agriculture Research, 2014, 3, 84.  | 0.3               | 6         |
| 143 | Growth response of region specific Rhizobium strains isolated from Arachis hypogea and Vigna<br>radiata to different environmental variables. African Journal of Biotechnology, 2014, 13, 3496-3504.                    | 0.6               | 1         |
| 144 | Plant Dependence on Rhizobia for Nitrogen Influences Induced Plant Defenses and Herbivore<br>Performance. International Journal of Molecular Sciences, 2014, 15, 1466-1480.   | 4.1               | 50        |
| 145 | Fine mapping of the Rj4 locus, a gene controlling nodulation specificity in soybean. Molecular<br>Breeding, 2014, 33, 691-700.  | 2.1               | 9         |
| 146 | Overcoming non-selective nodulation of Lessertia by soil-borne rhizobium in the presence of inoculant mesorhizobium. Plant and Soil, 2014, 380, 117-132.  | 3.7               | 14        |
| 147 | Specialization-generalization trade-off in a Bradyrhizobium symbiosis with wild legume hosts. BMC<br>Ecology, 2014, 14, 8.  | 3.0               | 53        |

| #   | Article   | IF  | Citations |
|-----|---|-----|-----------|
| 149 | Cool-Season Grain Legumes Production and Rhizobial Interactions in Australian Dryland Agriculture.<br>CSSA Special Publication - Crop Science Society of America, 2015, , 229-242.  | 0.1 | 0         |
| 150 | Differential response of kabuli and desi chickpea genotypes toward inoculation with PGPR in different soils. Frontiers in Microbiology, 2015, 6, 859.   | 3.5 | 47        |
| 151 | Biologically Fixed Nitrogen in Legume Intercropped Systems: Comparison of Nitrogen-Difference and Nitrogen-15 Enrichment Techniques. Agronomy Journal, 2015, 107, 2419-2430.  | 1.8 | 27        |
| 152 | Measuring Symbiotic Nitrogen Fixation by Legumes. Agronomy, 2015, , 125-170.  | 0.2 | 13        |
| 153 | The Importance of Biological Nitrogen Fixation in Cropping Systems in Nonindustrialized Nations.<br>Agronomy, 0, , 329-348.   | 0.2 | 2         |
| 154 | Legume-Rhizobia Symbiosis Under Stress. , 2015, , 241-258.  |     | 26        |
| 155 | Nitrogen-Fixing Plant-Microbe Symbioses. Sustainable Agriculture Reviews, 2015, , 193-234.  | 1.1 | 11        |
| 156 | Plant growth-promoting rhizobacteria enhance the growth and Cd uptake of Sedum plumbizincicola<br>in a Cd-contaminated soil. Journal of Soils and Sediments, 2015, 15, 1191-1199.   | 3.0 | 72        |
| 157 | Survival and Competitiveness of Bradyrhizobium japonicum Strains 20 Years after Introduction into<br>Field Locations in Poland. Applied and Environmental Microbiology, 2015, 81, 5552-5559.  | 3.1 | 48        |
| 158 | Beneficial microorganisms for soybean (Glycine max (L.) Merr), with a focus on low root-zone temperatures. Plant and Soil, 2015, 397, 411-445.  | 3.7 | 20        |
| 159 | Effects of local environmental variables and geographical location on the genetic diversity and composition of Rhizobium leguminosarum nodulating Vicia cracca populations. Soil Biology and Biochemistry, 2015, 90, 71-79.                           | 8.8 | 28        |
| 160 | Plant Microbes Symbiosis: Applied Facets. , 2015, , .   |     | 39        |
| 161 | Ants are less attracted to the extrafloral nectar of plants with symbiotic, nitrogenâ€fixing rhizobia.<br>Ecology, 2015, 96, 348-354.   | 3.2 | 39        |
| 162 | Sustainable Agriculture Reviews. Sustainable Agriculture Reviews, 2015, , .   | 1.1 | 9         |
| 163 | Preliminary characterization of slow growing rhizobial strains isolated from Retama monosperma<br>(L.) Boiss. root nodules from Northwest coast of Algeria. African Journal of Biotechnology, 2016, 15,<br>854-867.                                   | 0.6 | 10        |
| 164 | Symbiotic N <sub>2</sub> -Fixation Estimated by the <sup>15</sup> N Tracer Technique and Growth<br>of <i>Pueraria phaseoloides</i> (Roxb.) Benth. Inoculated with <i>Bradyrhizobium</i> Strain in Field<br>Conditions. Scientifica, 2016, 2016, 1-10. | 1.7 | 10        |
| 165 | Rhizobium leguminosarumsymbiovartrifolii, Ensifer numidicusandMesorhizobium<br>amorphaesymbiovarciceri(orMesorhizobium loti) are new endosymbiotic bacteria ofLens<br>culinarisMedik. FEMS Microbiology Ecology, 2016, 92, fiw118.                    | 2.7 | 2         |
| 166 | Effectiveness of Rhizobium inoculation on common bean productivity as determined by inherent soil fertility status. Journal of Crop Science and Biotechnology, 2016, 19, 311-322.   | 1.5 | 9         |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 168 | Endophytic Actinobacteria: Nitrogen Fixation, Phytohormone Production, and Antibiosis. , 2016, ,<br>123-145.  |     | 13        |
| 169 | Changes in plant species richness and productivity in response to decreased nitrogen inputs in grassland in southern England. Ecological Indicators, 2016, 68, 73-81.   | 6.3 | 34        |
| 170 | Microbial Inoculants as Agents of Growth Promotion and Abiotic Stress Tolerance in Plants. , 2016, , 23-36.   |     | 30        |
| 171 | Assessing environmental impacts of genetically modified plants on non-target organisms: The relevance of in planta studies. Science of the Total Environment, 2017, 583, 123-132.                                   | 8.0 | 49        |
| 172 | Effectiveness of native <i>Rhizobium</i> on nodulation and yield of faba bean ( <i>Vicia faba</i> L) in<br>Eastern Ethiopia. Archives of Agronomy and Soil Science, 2017, 63, 1390-1403.                            | 2.6 | 19        |
| 173 | PCR assay for direct specific detection of Bradyrhizobium elite strain BR 3262 in root nodule extracts of soil-grown cowpea. Plant and Soil, 2017, 417, 535-548.  | 3.7 | 4         |
| 174 | The Influence of Phosphate Deficiency on Legume Symbiotic N2 Fixation. , 2017, , 41-75.   |     | 3         |
| 175 | Legume Nitrogen Fixation in Soils with Low Phosphorus Availability. , 2017, , .   |     | 16        |
| 176 | Fast and sensitive in vivo studies under controlled environmental conditions to substitute long-term field trials with genetically modified plants. Journal of Biotechnology, 2017, 243, 48-60.                     | 3.8 | 0         |
| 177 | Species Diversity of Rhizobia. Soil Biology, 2017, , 215-245.   | 0.8 | 3         |
| 179 | Role of Root Nodule Bacteria in Improving Soil Fertility and Growth Attributes of Leguminous Plants<br>Under Arid and Semiarid Environments. Soil Biology, 2017, , 39-60.   | 0.8 | 3         |
| 180 | The potential for rhizobial inoculation to increase soybean grain yields on acid soils in Ethiopia. Soil Science and Plant Nutrition, 2017, 63, 441-451.  | 1.9 | 24        |
| 181 | Legume inoculant application methods: effects on nodulation patterns, nitrogen fixation, crop growth and yield in narrow-leaf lupin and faba bean. Plant and Soil, 2017, 419, 25-39.                                | 3.7 | 46        |
| 182 | Reprint of "Fast and sensitive in vivo studies under controlled environmental conditions to<br>substitute long-term field trials with genetically modified plants― Journal of Biotechnology, 2017,<br>257, 22-34.   | 3.8 | 0         |
| 183 | Rhizobial Bioformulations: Past, Present and Future. , 2017, , 69-99.   |     | 22        |
| 184 | Growth and Yield Responses of Cowpea to Inoculation and Phosphorus Fertilization in Different<br>Environments. Frontiers in Plant Science, 2017, 8, 646.  | 3.6 | 93        |
| 185 | Genetic diversity and structure of Rhizobium leguminosarum populations associated with clover<br>plants are influenced by local environmental variables. Systematic and Applied Microbiology, 2018, 41,<br>251-259. | 2.8 | 22        |
| 186 | Is there a need for Bradyrhizobium yuanmingense and B. japonicum reinoculation in subsequent<br>cropping seasons under smallholder farmers' conditions?. Applied Soil Ecology, 2018, 128, 54-60.                    | 4.3 | 7         |

ARTICLE IF CITATIONS # Characterization of Plant Growth Promoting Rhizobia from Root Nodule of Two Legume Species 187 Cultivated in Assam, India. Proceedings of the National Academy of Sciences India Section B -1.0 5 Biological Sciences, 2018, 88, 1007-1016. 188 Potential of Rhizobia in Improving Nitrogen Fixation and Yields of Legumes., 0, , . Red clover (<i>Trifolium pratense</i>) in conservation agriculture: a compelling case for increased 189 3.5 24 adoption. International Journal of Agricultural Sustainability, 2018, 16, 342-366. Global meta-analysis reveals agro-grassland productivity varies based on species diversity over time. PLoS ONE, 2018, 13, e0200274. Evidence-based logic chains demonstrate multiple impacts of trace metals on ecosystem services. 191 7.8 20 Journal of Environmental Management, 2018, 223, 150-164. Root nodulation in guar: Effects of soils, Rhizobium inoculants, and guar varieties in a controlled 5.2 environment. Industrial Crops and Products, 2018, 120, 198-202. Role of Rhizobia in Suppressing the Root Diseases of Soybean Under Soil Amendment. Planta Daninha, 193 0.5 11 0,37,. Exploring the Role of Mycorrhizae as Soil Ecosystem Engineer., 2019, , 73-93. 194 195 Effect of High Temperature on Protein Metabolism in Plants., 2019, , 217-309. 2 Plant Growth-Promoting Microbes for Sustainable Agriculture., 2019, , 19-45. 14 A side-by-side comparison of biological nitrogen fixation and yield of four legume crops. Plant and 197 3.7 20 Soil, 2019, 442, 169-182. Abiotic and Biotic Limitations to Nodulation by Leguminous Cover Crops in South Texas. Agriculture 198 3.1 (Switzerland), 2019, 9, 209. Soil Fertility Improvement by Symbiotic Rhizobia for Sustainable Agriculture., 2019, , 101-166. 199 12 Soil Fertility Management for Sustainable Development., 2019,,. 16 Nitrogen Deficiency in Semi-Arid Kenya: Can Pigeonpea fix it?. East African Agricultural and Forestry 201 0.4 8 Journal, 2019, 83, 322-340. Yield components of lucerne were affected by sowing dates and inoculation treatments. European Journal of Agronomy, 2019, 103, 1-12. 203 Future Perspective in Organic Farming Fertilization., 2019, , 269-315. 8 Significance of Plant Growth Promoting Rhizobacteria in Grain Legumes: Growth Promotion and Crop 204 Production. Plants, 2020, 9, 1596.

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 205 | Aphid infestation differently affects the defences of nitrate-fed and nitrogen-fixing Medicago<br>truncatula and alters symbiotic nitrogen fixation. Proceedings of the Royal Society B: Biological<br>Sciences, 2020, 287, 20201493.                         | 2.6 | 5         |
| 206 | Cooperation, Competition, and Specialized Metabolism in a Simplified Root Nodule Microbiome. MBio, 2020, 11, .  | 4.1 | 27        |
| 207 | Growth and Yield Responses of Cowpea and Groundnut to Five Rhizobial Inoculant Strains in the<br>Guinea Savanna Zone of Ghana. Advances in Agriculture, 2020, 2020, 1-8.  | 0.9 | 1         |
| 208 | Epichloë Fungal Endophytes—From a Biological Curiosity in Wild Grasses to an Essential Component<br>of Resilient High Performing Ryegrass and Fescue Pastures. Journal of Fungi (Basel, Switzerland),<br>2020, 6, 322.  | 3.5 | 26        |
| 209 | Nitrogen fixation and productivity of winter annual legume cover crops in Upper Midwest organic cropping systems. Nutrient Cycling in Agroecosystems, 2020, 117, 61-76.   | 2.2 | 29        |
| 210 | The amount, but not the proportion, of N2 fixation and transfers to neighboring plants varies across grassland soils. Soil Science and Plant Nutrition, 2020, 66, 481-488.  | 1.9 | 2         |
| 211 | Mechanisms in plant growthâ€promoting rhizobacteria that enhance legume–rhizobial symbioses.<br>Journal of Applied Microbiology, 2020, 129, 1133-1156.  | 3.1 | 43        |
| 213 | Genetically and functionally diverse symbiotic and non-symbiotic native bacteria colonized root<br>nodules of Erythrina brucei growing in different land use types in Ethiopia. Rhizosphere, 2021, 17,<br>100301.   | 3.0 | 4         |
| 214 | Cross-host compatibility of commercial rhizobial strains for new and existing pasture legume cultivars in south-eastern Australia. Crop and Pasture Science, 2021, 72, 652-665.   | 1.5 | 5         |
| 215 | Sourcing <i>Rhizobium leguminosarum</i> biovar <i>viciae</i> strains from Mediterranean centres of origin to optimize nitrogen fixation in forage legumes grown on acid soils. Grass and Forage Science, 2021, 76, 33-43.                                     | 2.9 | 3         |
| 216 | Sustainable effect of a symbiotic nitrogenâ€fixing bacterium <i>Sinorhizobium meliloti</i> on<br>nodulation and photosynthetic traits of four leguminous plants under low moisture stress<br>environment. Letters in Applied Microbiology, 2021, 72, 714-724. | 2.2 | 6         |
| 217 | Engineering the Plant Microenvironment To Facilitate Plant-Growth-Promoting Microbe Association.<br>Journal of Agricultural and Food Chemistry, 2021, 69, 13270-13285.  | 5.2 | 29        |
| 218 | Conditional sanctioning in a legume– <i>Rhizobium</i> mutualism. Proceedings of the National<br>Academy of Sciences of the United States of America, 2021, 118, .   | 7.1 | 44        |
| 219 | Potential of Bradyrhizobia inoculation to promote peanut growth and beneficial Rhizobacteria abundance. Journal of Applied Microbiology, 2021, 131, 2500-2515.  | 3.1 | 8         |
| 220 | Isolation and characterisation of endophytic actinobacteria and their effect on the growth and nodulation of chickpea (Cicer arietinum). Plant and Soil, 2021, 466, 357-371.  | 3.7 | 11        |
| 221 | Competition, Nodule Occupancy, and Persistence of Inoculant Strains: Key Factors in the Rhizobium-Legume Symbioses. Frontiers in Plant Science, 2021, 12, 690567.   | 3.6 | 49        |
| 222 | Symbiotic effectiveness, ecological adaptation and phylogenetic diversity of chickpea rhizobia isolated from a large-scale Australian soil collection. Plant and Soil, 2021, 469, 49-71.  | 3.7 | 5         |
| 223 | Abundance of native rhizobia nodulating cowpea in major production areas of Ethiopia as influenced by cropping history and soil properties. Sustainable Environment, 2021, 7, 1889084.  | 2.4 | 1         |

| #        | Article  | IF  | Citations |
|----------|--|-----|-----------|
| т<br>224 | What Does Strain Persistence Really Mean?. , 1999, , 85-90.  | 11  | 2         |
| 224      | What Does Strain Persistence Really Means, 1999, 65-90.  |     | 2         |
| 225      | Agricultural and Environmental Applications of Nitrogen Fixing Organisms. , 1999, , 219-223.   |     | 5         |
| 226      | Prospects for Developing Effective and Competitive Native Strains of Rhizobium Inoculants in Nigeria.<br>, 2020, , 223-256.  |     | 6         |
| 227      | Enhancing crop legume N2 fixation through selection and breeding. , 1995, , 51-82.   |     | 10        |
| 228      | Enhancing legume N2 fixation through plant and soil management. , 1995, , 83-101.  |     | 2         |
| 229      | Enhancing legume N2 fixation through plant and soil management. , 1995, , 83-101.  |     | 41        |
| 230      | Formulation and Commercialization of Rhizobia: Asian Scenario. , 2016, , 47-67.  |     | 2         |
| 231      | Rhizobia atÂExtremes of Acidity, Alkalinity, Salinity, and Temperature. , 2020, , 51-65.   |     | 4         |
| 232      | Prospects for improving perennial legume persistence in mixed grazed pastures of south-eastern Australia, with particular reference to white clover. Crop and Pasture Science, 2019, 70, 1141. | 1.5 | 16        |
| 233      | Performance of Rhizobial Inoculant Formulations in the Field. Crop Management, 2004, 3, 1-6.   | 0.3 | 5         |
| 234      | CaracterÃsticas fisiológicas e ecológicas de isolados de rizóbios oriundos de solos ácidos e álicos de<br>Presidente Figueiredo, Amazonas. Acta Amazonica, 2004, 34, 343-357.                  | 0.7 | 28        |
| 235      | Nodulação e eficiência da fixação do N2 em feijão-caupi por efeito da taxa do inóculo. Revista<br>Brasileira De Ciencia Do Solo, 2012, 36, 1418-1425.  | 1.3 | 6         |
| 236      | Biological Dinitrogen Fixation in Agriculture. Agronomy, 0, , 281-359.   | 0.2 | 13        |
| 237      | Effect of Rhizobia Inoculation and Starter-N on Nodulation, Shoot Biomass and Yield of Grain<br>Legumes. Asian Journal of Plant Sciences, 2007, 6, 1113-1118.                                  | 0.4 | 15        |
| 238      | Impacts of Row Spacing on Faba Bean L. Growth under Mediterranean Rainfed Conditions. Journal of Agronomy, 2006, 5, 527-532.   | 0.4 | 6         |
| 239      | Effects of Pesticides Use (Glyphosate & Paraquat) on Biological Nitrogen Fixation. Water, Air, and<br>Soil Pollution, 2021, 232, 1.  | 2.4 | 7         |
| 240      | Enhancing crop legume N2 fixation through selection and breeding. , 1995, , 51-82.   |     | 5         |
| 241      | Chapter 7 Management Practices for Optimizing Phosphorus Availability to Crop Plants. , 2017, , 239-316.   |     | Ο         |

|     | C  | TATION REPO | ORT |           |
|-----|--|-------------|-----|-----------|
| #   | Article  |             | IF  | CITATIONS |
| 242 | Determination of Symbiotic Effectiveness of Rhizobium Strains Isolated from Food Legumes (Bean)<br>Collected from Fez, Morocco. Journal of Pure and Applied Microbiology, 2019, 13, 247-255.   |             | 0.9 | 1         |
| 243 | Bradyrhizobium altum sp. nov., Bradyrhizobium oropedii sp. nov. and Bradyrhizobium acaciae sp. nov<br>from South Africa show locally restricted and pantropical nodA phylogeographic patterns.<br>Molecular Phylogenetics and Evolution, 2022, 167, 107338.              |             | 2.7 | 9         |
| 244 | Assessment of Genetic Diversity and Symbiotic Efficiency of Selected Rhizobia Strains Nodulating<br>Lentil (Lens culinaris Medik.). Plants, 2021, 10, 15.  |             | 3.5 | 12        |
| 245 | Molecular Ecology of N2-Fixing Microbes Associated with Gramineous Plants: Hidden Activities of Unknown Bacteria. , 2005, , 173-198.   |             |     | 3         |
| 246 | Rhizobia–Legume Symbiosis During Environmental Stress. Soil Biology, 2021, , 201-220.  |             | 0.8 | 3         |
| 247 | Seed Coating with Mycorrhizal Fungal Spores and LEIFSONIA Bacteria: A Tool for Microbiological Fertilization and a Seed Protection Strategy From Insect Damage. Proceedings of the National Acader of Sciences India Section B - Biological Sciences, 2021, 91, 909-918. | my          | 1.0 | 4         |
| 248 | Propagation and cultivation practices of honeybush ( <i>Cyclopia</i> spp.) for the sustainable production of an export quality indigenous South African tea. Crop Science, 2022, 62, 1702-1733.  |             | 1.8 | 4         |
| 249 | Sobrevivência de bactérias diazotróficas em suporte inoculante alternativo de casca de algodãc<br>Conjeturas, 2022, 22, 1386-1397.   | ).          | 0.0 | 0         |
| 250 | Soybean and Sustainable Agriculture for Food Security. , 0, , .  |             |     | 4         |
| 251 | The Importance of Groundwater Quality and Other Habitat Parameters for Effective Active Protection of an Endangered Plant Species in Eastern Poland. Water (Switzerland), 2022, 14, 1270.  |             | 2.7 | 3         |
| 252 | Biological nitrogen fixation and prospects for ecological intensification in cereal-based cropping systems. Field Crops Research, 2022, 283, 108541.   |             | 5.1 | 50        |
| 254 | Physiological Response of Soybean Plants to Seed Coating and Inoculation under Pot Experiment Conditions. Agronomy, 2022, 12, 1095.  |             | 3.0 | 3         |
| 255 | Legumes for nutrient management in the cropping system. , 2022, , 93-112.  |             |     | 0         |
| 256 | Sustainable management of land degradation through legume-based cropping system. , 2022, , 267-2   | 280.        |     | 1         |
| 257 | Role of mineral nutrients in biological nitrogen fixation. , 2023, , 87-106.   |             |     | 1         |
| 258 | Phosphorus Cycle Enzymes to Remedy Soil Phosphorus Deficiency. Sustainable Agriculture Reviews, 2023, , 177-205.   |             | 1.1 | 1         |
| 259 | Rhizobial diversity impacts soybean resistance, but not tolerance, to herbivory during drought. Basic and Applied Ecology, 2023, 66, 31-39.  |             | 2.7 | 4         |
| 260 | Members of Ensifer and Rhizobium genera are new bacterial endosymbionts nodulating <i>Pisum sativum</i> (L.). FEMS Microbiology Ecology, 0, , .  |             | 2.7 | 0         |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 261 | Competition in the Phaseolus vulgaris-Rhizobium symbiosis and the role of resident soil rhizobia in determining the outcomes of inoculation. Plant and Soil, 2023, 487, 61-77.    | 3.7 | 3         |
| 262 | Diversity of PGPM and Ecosystem Services. , 2023, , 93-124.   |     | 0         |
| 263 | Transcriptomic and metabolomic analysis reveals that symbiotic nitrogen fixation enhances drought resistance in common bean. Journal of Experimental Botany, 2023, 74, 3203-3219. | 4.8 | 4         |
| 264 | Future Use Prospects of Legumes through Improvement and the Challenges Faced. , 0, , .  |     | 1         |
| 265 | How might bacteriophages shape biological invasions?. MBio, 0, , .  | 4.1 | 0         |
| 266 | Functionalized Carbon Nanostructures in Agro-Food Production. , 2024, , 1-35.   |     | 0         |
| 267 | Effects of Soil Rhizobia Abundance on Interactions between a Vector, Pathogen, and Legume Plant<br>Host. Genes, 2024, 15, 273.  | 2.4 | 0         |