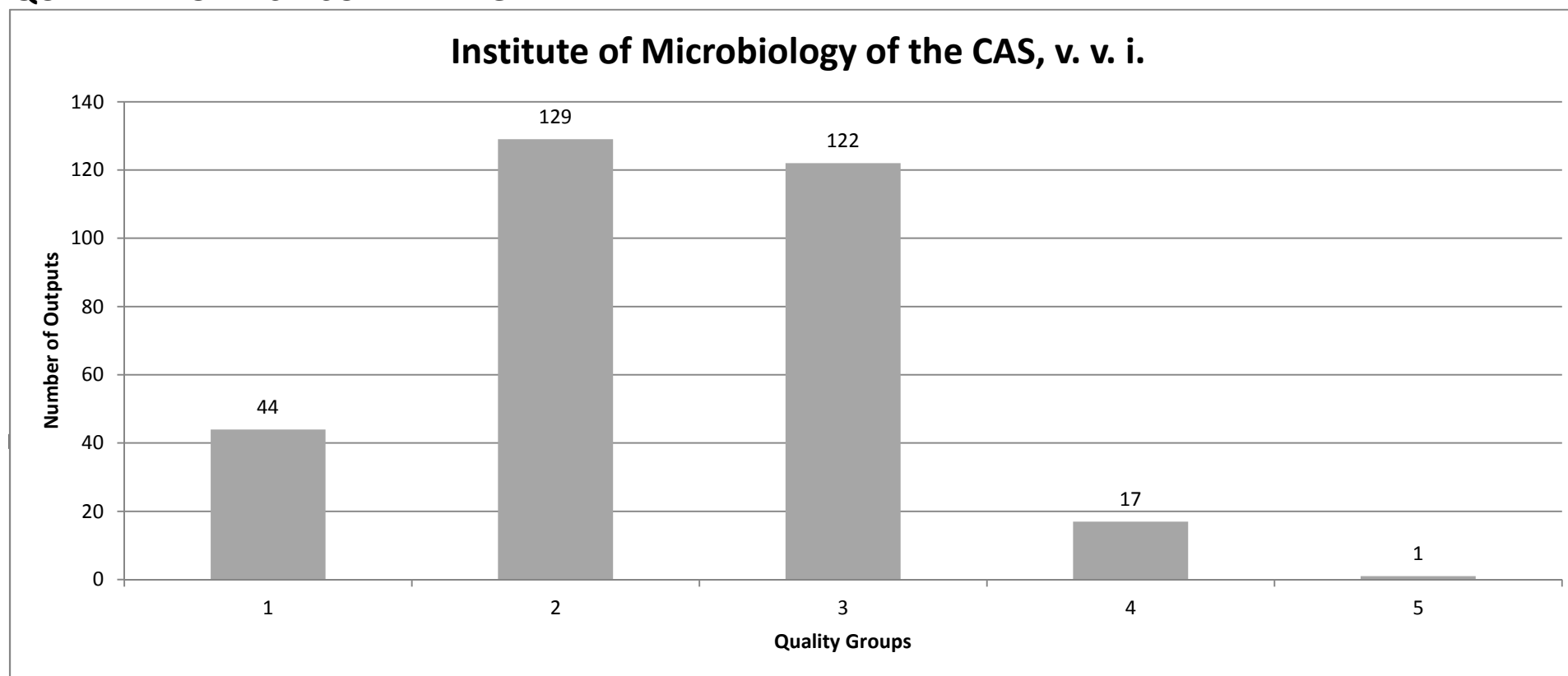


## QUALITY PROFILES - SUMMARY GRAPH



### Quality Groups:

**(1):** Quality that is **world-leading** in terms of originality, significance and rigour.

**(2):** Quality that is **internationally excellent** in terms of originality, significance and rigour but which falls short of the highest standards of excellence.

**(3):** Quality that is **recognized internationally** in terms of originality, significance and rigour.

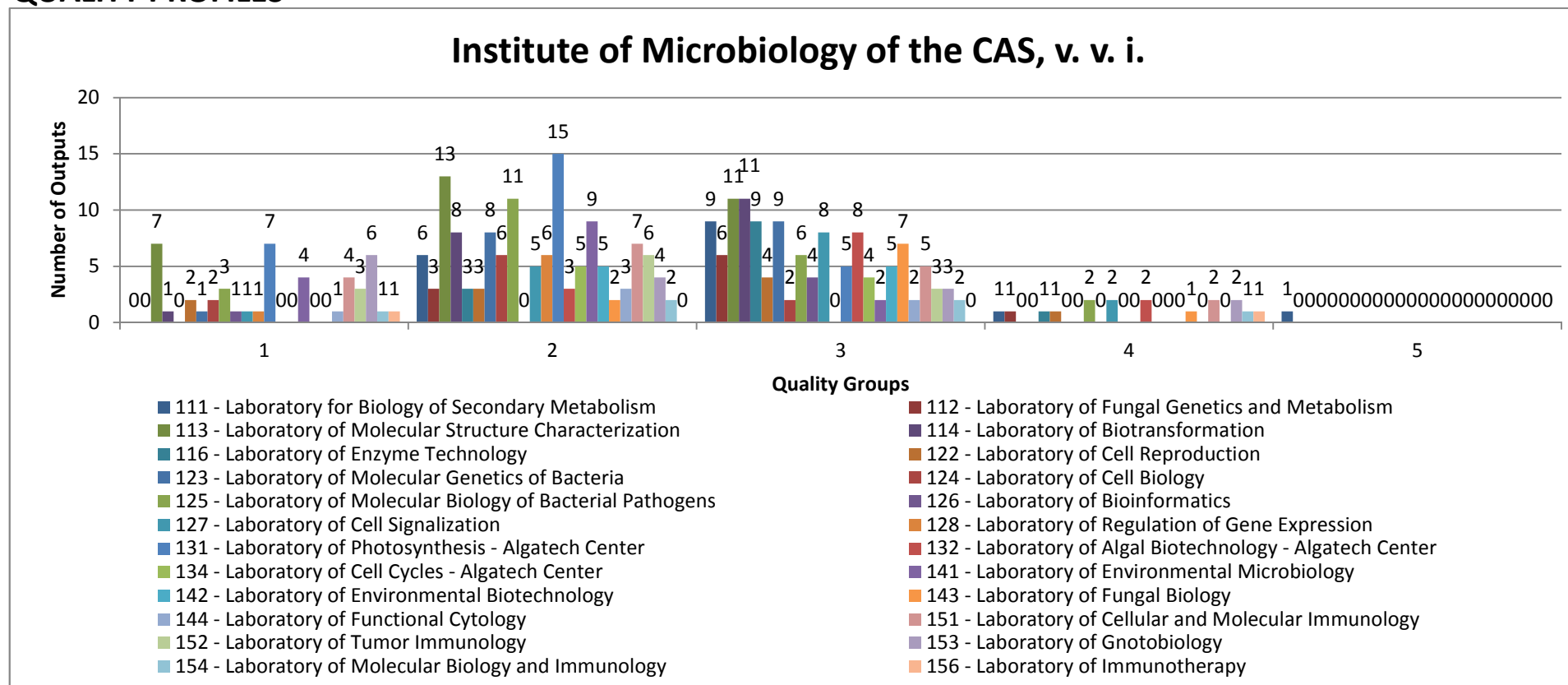
**(4):** Quality that is **recognized nationally** in terms of originality, significance and rigour.

**(5):** Quality that falls **below the standard** of nationally recognized work. Or work which does not meet the published definition of research for the purposes of this assessment.

This plot is presented as an aggregate of data from the Phase I of evaluation for convenience of evaluators in the Phase II.

## Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2010–2014

### QUALITY PROFILES



#### Quality Groups:

**(1):** Quality that is **world-leading** in terms of originality, significance and rigour.

**(2):** Quality that is **internationally excellent** in terms of originality, significance and rigour but which falls short of the highest standards of excellence.

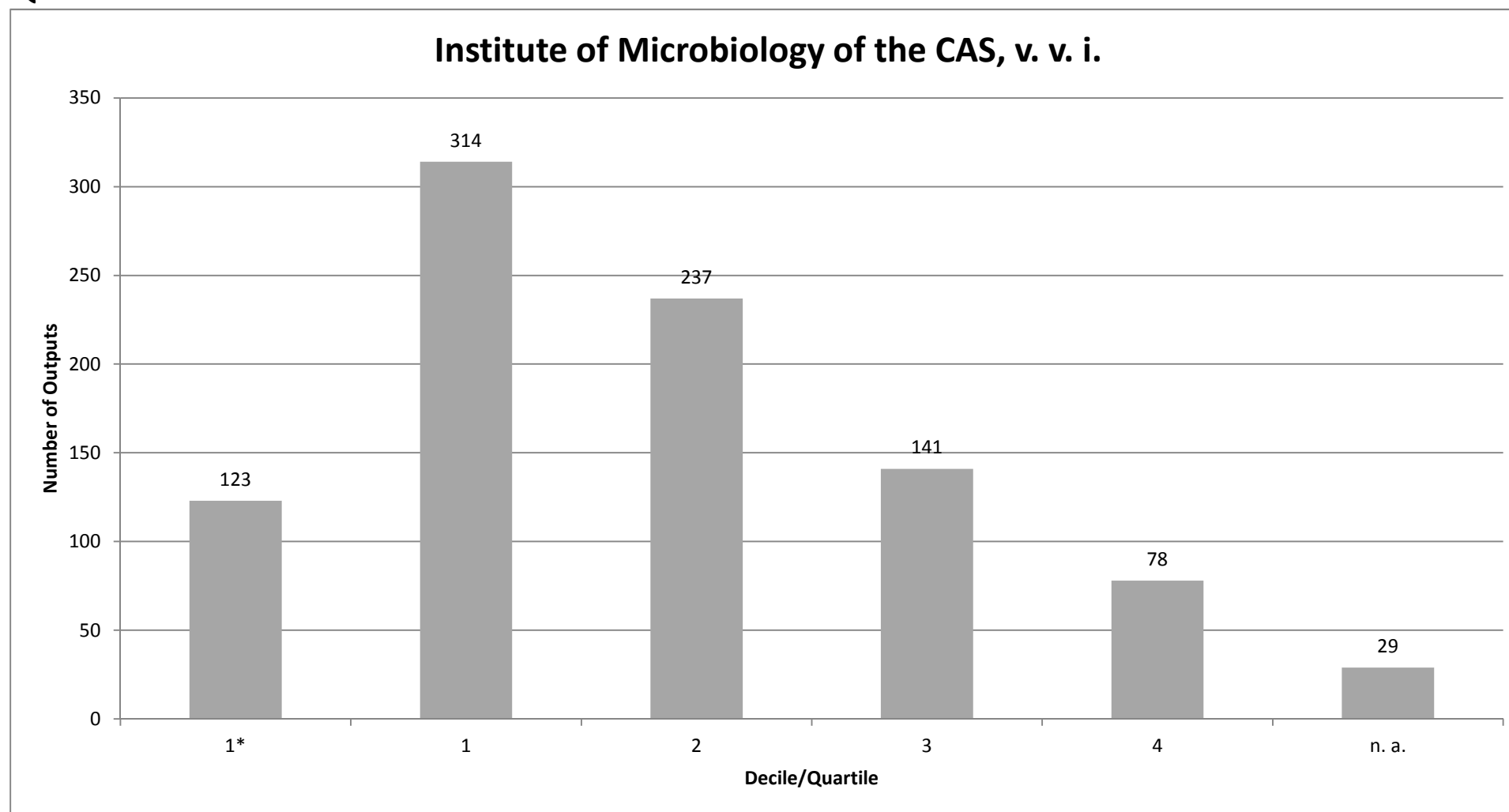
**(3):** Quality that is **recognized internationally** in terms of originality, significance and rigour.

**(4):** Quality that is **recognized nationally** in terms of originality, significance and rigour.

**(5):** Quality that falls **below the standard** of nationally recognized work. Or work which does not meet the published definition of research for the purposes of this assessment.

This plot is presented as an aggregate of data from the Phase I of evaluation for convenience of evaluators in the Phase II; the columns represent outputs (not productivity) and cannot be directly compared each other.

## QUALITY OF OUTPUTS BY JOURNALS - SUMMARY GRAPH

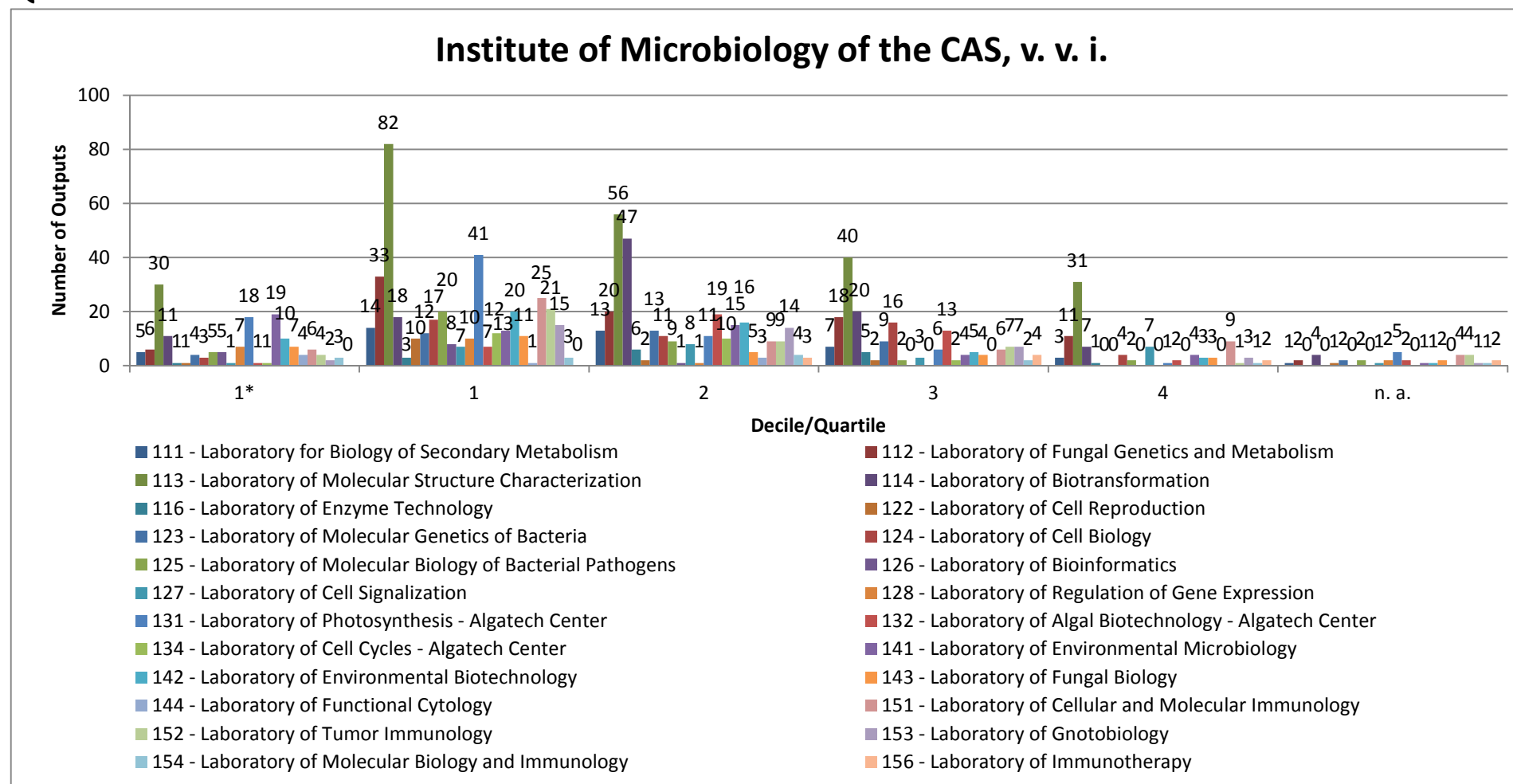


Number of outputs in top decile (1\*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down).

This plot is presented as an aggregate of bibliometric data for convenience of evaluators.

## Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2010–2014

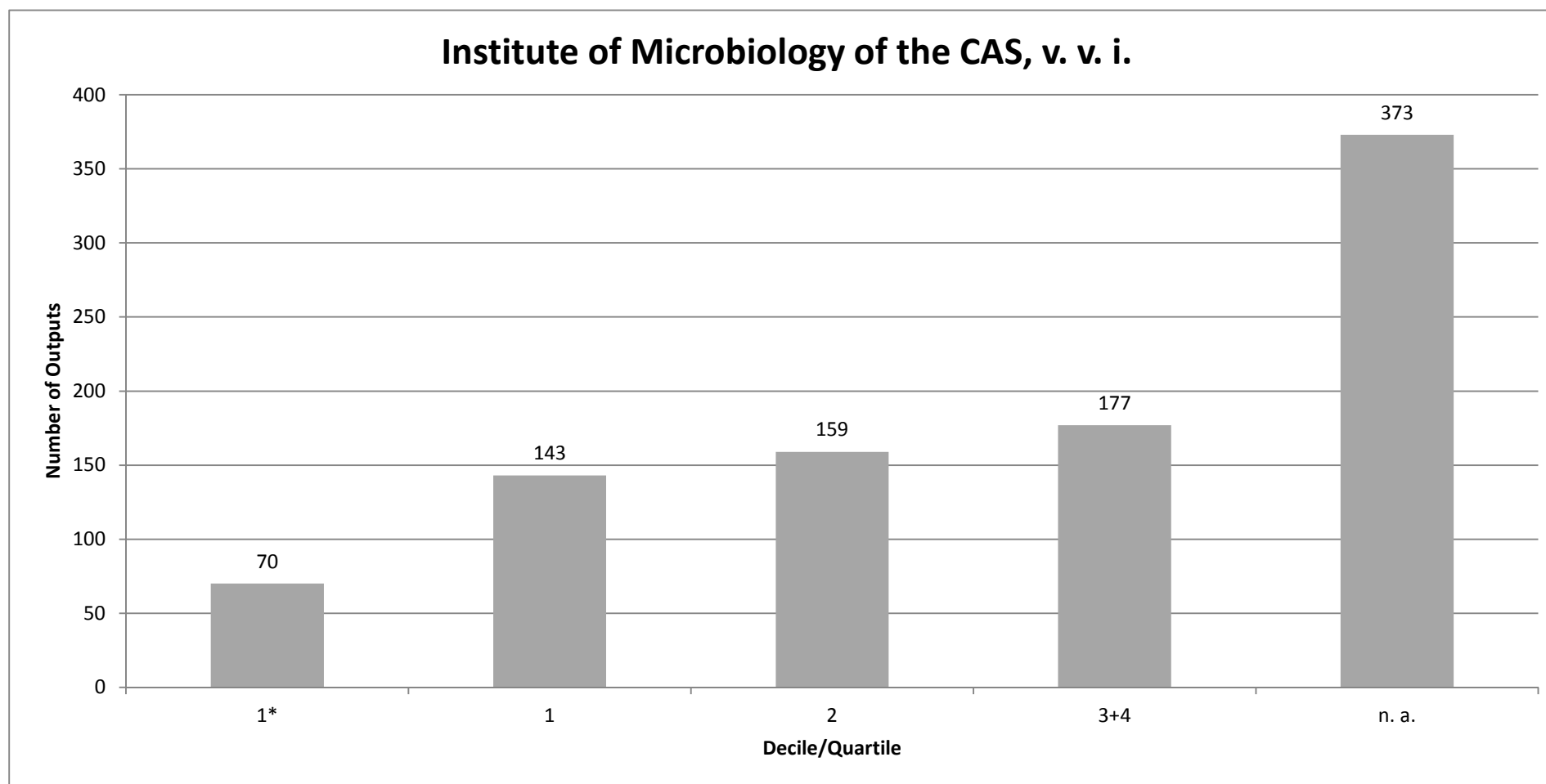
### QUALITY OF OUTPUTS BY JOURNALS



Number of outputs in top decile (1\*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down).

This plot is presented as an aggregate of bibliometric data for convenience of evaluators; the columns represent outputs (not productivity) and cannot be directly compared each other.

## QUALITY OF OUTPUTS BY INTENSITY OF CITATIONS - SUMMARY GRAPH

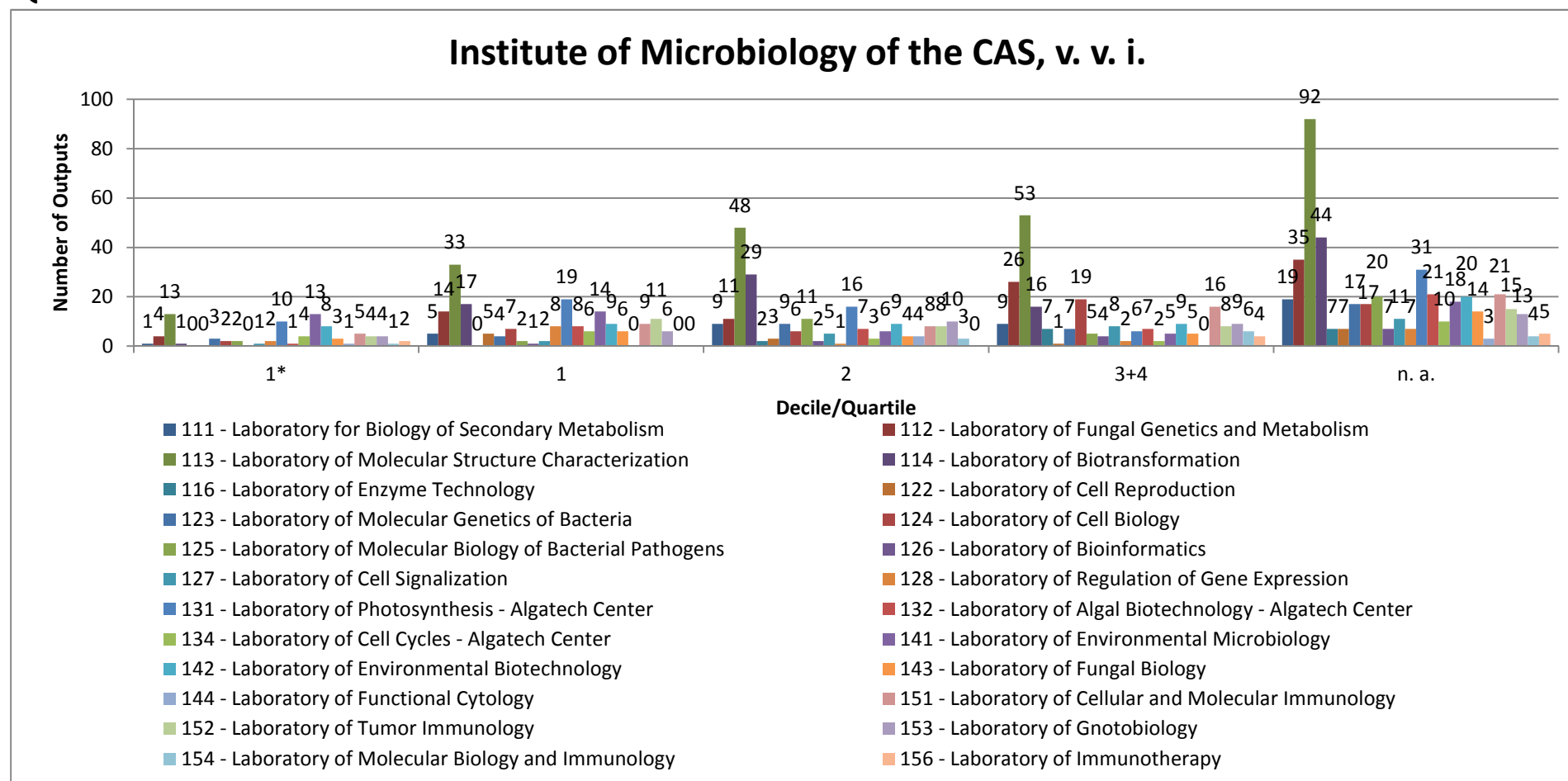


Number of outputs in the top decile (1\*) and in quartiles (1, 2, 3+4) of the list of outputs ordered by the number of citations; n. a. - the number of outputs in the field is low and/or the number of citations is not sufficient for relevant judgement; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down).

This plot is presented as an aggregate of bibliometric data for convenience of evaluators.

## Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2010–2014

### QUALITY OF OUTPUTS BY INTENSITY OF CITATIONS



Number of outputs in the top decile (1\*) and in quartiles (1, 2, 3+4) of the list of outputs ordered by the number of citations; n. a. - the number of outputs in the field is low and/or the number of citations is not sufficient for relevant judgement; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down).

This plot is presented as an aggregate of bibliometric data for convenience of evaluators; the columns represent outputs (not productivity) and cannot be directly compared each other.

# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2010–2014

## RESULTS OF THE PHASE I. AND BIBLIOMETRIC PARAMETERS

**Institute:** Institute of Microbiology of the CAS, v. v. i.

**Team:** 111 - Laboratory for Biology of Secondary Metabolism

**Head:** Janata Jiří

**Total number of outputs :** 52      **Evaluated outputs :** 17 (0)      **Outputs for bibliometry :** 43      **Large collaborations outputs:** 0

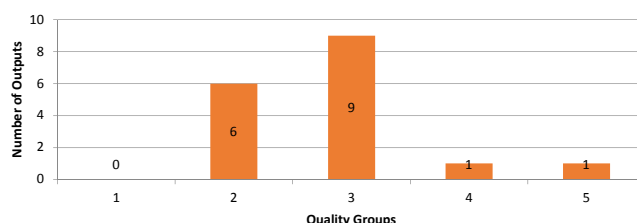
### Quality Groups of Outputs (Results of the Phase I.)

|         |   |   |   |   |   |
|---------|---|---|---|---|---|
| Quality | 1 | 2 | 3 | 4 | 5 |
| Outputs | 0 | 6 | 9 | 1 | 1 |

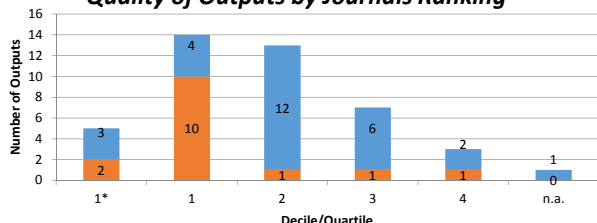
#### Quality Groups:

- (1): Quality that is **world-leading** in terms of originality, significance and rigour.  
 (2): Quality that is **internationally excellent** in terms of originality, significance and rigour but which falls short of the highest standards of excellence.  
 (3): Quality that is **recognized internationally** in terms of originality, significance and rigour.  
 (4): Quality that is **recognized nationally** in terms of originality, significance and rigour.  
 (5): Quality that falls **below the standard** of nationally recognized work. Or work which does not meet the published definition of research for the purposes of this assessment.

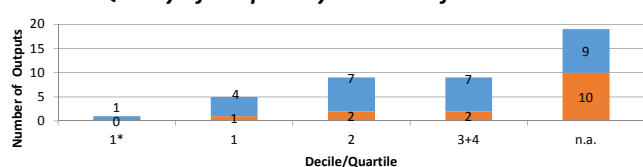
### Quality Profile



### Quality of Outputs by Journals Ranking



### Quality of Outputs by Number of Citations



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

| Field Structure of Outputs            | Outputs |
|---------------------------------------|---------|
| BIOTECHNOLOGY & APPLIED MICROBIOLOGY  | 7       |
| BIOCHEMISTRY & MOLECULAR BIOLOGY      | 7       |
| CHEMISTRY, MEDICINAL                  | 5       |
| MULTIDISCIPLINARY SCIENCES            | 4       |
| CHEMISTRY, ANALYTICAL                 | 4       |
| CHEMISTRY, ORGANIC                    | 2       |
| ENGINEERING, CHEMICAL                 | 2       |
| MICROBIOLOGY                          | 2       |
| BIOLOGY                               | 2       |
| CHEMISTRY, APPLIED                    | 2       |
| BIOCHEMICAL RESEARCH METHODS          | 1       |
| PHARMACOLOGY & PHARMACY               | 1       |
| EVOLUTIONARY BIOLOGY                  | 1       |
| PHYSICS, ATOMIC, MOLECULAR & CHEMICAL | 1       |
| BIOPHYSICS                            | 1       |
| CHEMISTRY, MULTIDISCIPLINARY          | 1       |

**Total number of outputs:** selected types of outputs published in 2010-2014 and registered in the institutional research information system: journal article, monograph, monograph chapter, proceedings paper, patent, utility model, industrial design, prototype, functional specimen, norms and directives, specialized map, realized certified methodology, software, pilot plant, verified technology, plant breed/variety.

**Evaluated outputs:** outputs submitted by the team and evaluated in the Phase I (value in the brackets shows number of outputs submitted by the team but not evaluated in the Phase I).

**Outputs for bibliometry:** publications in 2010-2014 with less than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Large collaborations outputs:** publications in 2010-2014 with more than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Quality Profile:** number of evaluated outputs vs quality groups (5 groups); 'world-leading' quality denotes an absolute standard of quality in each field and subfield; 'world leading', 'internationally' and 'nationally' in this context refer to quality standards; they do not refer to the nature or geographical scope of particular subjects, nor to the focus of research nor its place of dissemination; for example, research which is focused on the subject specific to the Czech Republic might be of 'world leading' standard, on the contrary, work with an international focus might not be of 'world leading, internationally excellent or internationally recognized' standard.

**Quality of Outputs by Journals Ranking:** number of outputs in top decile (1\*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Quality of Outputs by Number of Citations:** number of outputs in the top decile (1\*) and in quartiles (1, 2, 3+4) of the list of outputs ordered by the number of citations; n. a. - the number of outputs in the field is low and/or the number of citations is not sufficient for relevant judgement; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Quality of Outputs by Citation Sources:** fraction of citations of all outputs in the top quartile (TOP25) or the top half (TOP50) of list of journals ordered by AIS; fraction of "not cited" outputs is added; orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Field Structure of Outputs:** number of outputs of the team in different fields; if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of Outputs by Journals Ranking) is taken; the table shows up to 30 fields.

# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2010–2014

## RESULTS OF THE PHASE I. AND BIBLIOMETRIC PARAMETERS

**Institute:** Institute of Microbiology of the CAS, v. v. i.

**Team:** 112 - Laboratory of Fungal Genetics and Metabolism

**Head:** Kolařík Miroslav

**Total number of outputs :** 114

**Evaluated outputs :** 10 (0)

**Outputs for bibliometry :** 90

**Large collaborations outputs:** 0

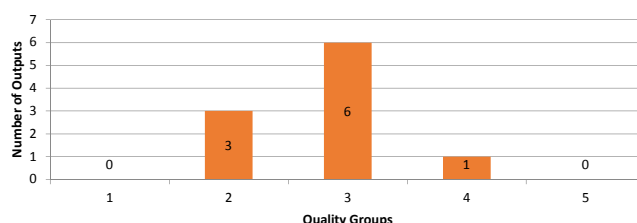
### Quality Groups of Outputs (Results of the Phase I.)

|         |   |   |   |   |   |
|---------|---|---|---|---|---|
| Quality | 1 | 2 | 3 | 4 | 5 |
| Outputs | 0 | 3 | 6 | 1 | 0 |

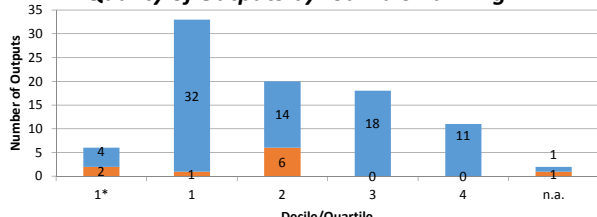
#### Quality Groups:

- (1): Quality that is **world-leading** in terms of originality, significance and rigour.  
 (2): Quality that is **internationally excellent** in terms of originality, significance and rigour but which falls short of the highest standards of excellence.  
 (3): Quality that is **recognized internationally** in terms of originality, significance and rigour.  
 (4): Quality that is **recognized nationally** in terms of originality, significance and rigour.  
 (5): Quality that falls **below the standard** of nationally recognized work. Or work which does not meet the published definition of research for the purposes of this assessment.

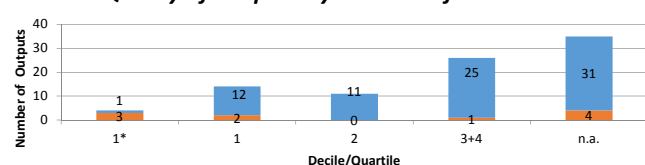
### Quality Profile



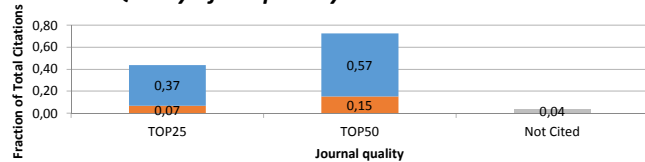
### Quality of Outputs by Journals Ranking



### Quality of Outputs by Number of Citations



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

| Field Structure of Outputs           | Outputs |
|--------------------------------------|---------|
| MYCOLOGY                             | 19      |
| BIOTECHNOLOGY & APPLIED MICROBIOLOGY | 11      |
| BIOCHEMISTRY & MOLECULAR BIOLOGY     | 9       |
| PLANT SCIENCES                       | 8       |
| CHEMISTRY, ANALYTICAL                | 8       |
| MICROBIOLOGY                         | 5       |
| VETERINARY SCIENCES                  | 5       |
| FOOD SCIENCE & TECHNOLOGY            | 2       |
| MULTIDISCIPLINARY SCIENCES           | 2       |
| BIOLOGY                              | 2       |
| CHEMISTRY, MEDICINAL                 | 2       |
| AGRICULTURAL ENGINEERING             | 2       |
| MARINE & FRESHWATER BIOLOGY          | 2       |
| GENETICS & HEREDITY                  | 2       |
| NUTRITION & DIETETICS                | 1       |
| ECOLOGY                              | 1       |
| AGRONOMY                             | 1       |
| CHEMISTRY, ORGANIC                   | 1       |
| GASTROENTEROLOGY & HEPATOLOGY        | 1       |
| IMMUNOLOGY                           | 1       |
| PHARMACOLOGY & PHARMACY              | 1       |
| ENVIRONMENTAL SCIENCES               | 1       |
| BIOCHEMICAL RESEARCH METHODS         | 1       |
| AGRICULTURE, MULTIDISCIPLINARY       | 1       |
| FORESTRY                             | 1       |

**Total number of outputs:** selected types of outputs published in 2010-2014 and registered in the institutional research information system: journal article, monograph, monograph chapter, proceedings paper, patent, utility model, industrial design, prototype, functional specimen, norms and directives, specialized map, realized certified methodology, software, pilot plant, verified technology, plant breed/variety.

**Evaluated outputs:** outputs submitted by the team and evaluated in the Phase I (value in the brackets shows number of outputs submitted by the team but not evaluated in the Phase I).

**Outputs for bibliometry:** publications in 2010-2014 with less than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Large collaborations outputs:** publications in 2010-2014 with more than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Quality Profile:** number of evaluated outputs vs quality groups (5 groups); 'world-leading' quality denotes an absolute standard of quality in each field and subfield; 'world leading', 'internationally' and 'nationally' in this context refer to quality standards; they do not refer to the nature or geographical scope of particular subjects, nor to the focus of research nor its place of dissemination; for example, research which is focused on the subject specific to the Czech Republic might be of 'world leading' standard, on the contrary, work with an international focus might not be of 'world leading, internationally excellent or internationally recognized' standard.

**Quality of Outputs by Journals Ranking:** number of outputs in top decile (1\*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Quality of Outputs by Number of Citations:** number of outputs in the top decile (1\*) and in quartiles (1, 2, 3+4) of the list of outputs ordered by the number of citations; n. a. - the number of outputs in the field is low and/or the number of citations is not sufficient for relevant judgement; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Quality of Outputs by Citation Sources:** fraction of citations of all outputs in the top quartile (TOP25) or the top half (TOP50) of list of journals ordered by AIS; fraction of "not cited" outputs is added; orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Field Structure of Outputs:** number of outputs of the team in different fields; if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of Outputs by Journals Ranking) is taken; the table shows up to 30 fields.



# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2010–2014

## RESULTS OF THE PHASE I. AND BIBLIOMETRIC PARAMETERS

**Institute:** Institute of Microbiology of the CAS, v. v. i.

**Team:** 113 - Laboratory of Molecular Structure Characterization

**Head:** Havlíček Vladimír

**Total number of outputs :** 259

**Evaluated outputs :** 31 (0)

**Outputs for bibliometry :** 239

**Large collaborations outputs:** 0

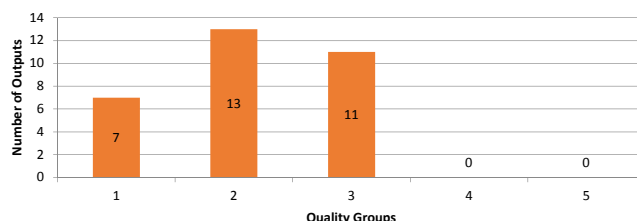
### Quality Groups of Outputs (Results of the Phase I.)

|         |   |    |    |   |   |
|---------|---|----|----|---|---|
| Quality | 1 | 2  | 3  | 4 | 5 |
| Outputs | 7 | 13 | 11 | 0 | 0 |

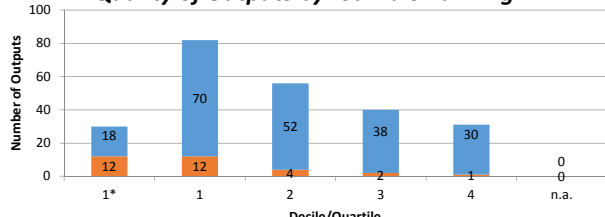
#### Quality Groups:

- (1): Quality that is **world-leading** in terms of originality, significance and rigour.  
 (2): Quality that is **internationally excellent** in terms of originality, significance and rigour but which falls short of the highest standards of excellence.  
 (3): Quality that is **recognized internationally** in terms of originality, significance and rigour.  
 (4): Quality that is **recognized nationally** in terms of originality, significance and rigour.  
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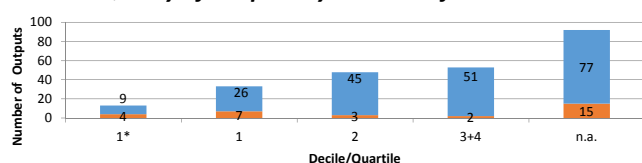
### Quality Profile



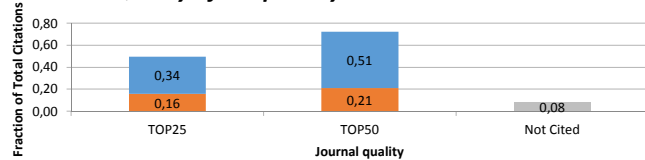
### Quality of Outputs by Journals Ranking



### Quality of Outputs by Number of Citations



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

| Field Structure of Outputs            | Outputs |
|---------------------------------------|---------|
| BIOCHEMISTRY & MOLECULAR BIOLOGY      | 41      |
| CHEMISTRY, ANALYTICAL                 | 29      |
| BIOTECHNOLOGY & APPLIED MICROBIOLOGY  | 28      |
| BIOCHEMICAL RESEARCH METHODS          | 15      |
| CHEMISTRY, ORGANIC                    | 11      |
| MICROBIOLOGY                          | 11      |
| CHEMISTRY, MEDICINAL                  | 11      |
| MULTIDISCIPLINARY SCIENCES            | 8       |
| CHEMISTRY, MULTIDISCIPLINARY          | 7       |
| ENGINEERING, CHEMICAL                 | 6       |
| IMMUNOLOGY                            | 5       |
| PLANT SCIENCES                        | 5       |
| CHEMISTRY, APPLIED                    | 5       |
| ENVIRONMENTAL SCIENCES                | 4       |
| CELL BIOLOGY                          | 4       |
| AGRICULTURAL ENGINEERING              | 3       |
| BIOLOGY                               | 3       |
| PHYSICS, ATOMIC, MOLECULAR & CHEMICAL | 3       |
| CHEMISTRY, PHYSICAL                   | 3       |
| ENDOCRINOLOGY & METABOLISM            | 3       |
| CHEMISTRY, INORGANIC & NUCLEAR        | 3       |
| PHARMACOLOGY & PHARMACY               | 2       |
| VETERINARY SCIENCES                   | 2       |
| GENETICS & HEREDITY                   | 2       |
| CRYSTALLOGRAPHY                       | 2       |
| BIOPHYSICS                            | 2       |
| HEMATOLOGY                            | 1       |
| PARASITOLOGY                          | 1       |
| DERMATOLOGY                           | 1       |
| AGRICULTURE, MULTIDISCIPLINARY        | 1       |

**Total number of outputs:** selected types of outputs published in 2010-2014 and registered in the institutional research information system: journal article, monograph, monograph chapter, proceedings paper, patent, utility model, industrial design, prototype, functional specimen, norms and directives, specialized map, realized certified methodology, software, pilot plant, verified technology, plant breed/variety.

**Evaluated outputs:** outputs submitted by the team and evaluated in the Phase I (value in the brackets shows number of outputs submitted by the team but not evaluated in the Phase I).

**Outputs for bibliometry:** publications in 2010-2014 with less than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Large collaborations outputs:** publications in 2010-2014 with more than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Quality Profile:** number of evaluated outputs vs quality groups (5 groups); 'world-leading' quality denotes an absolute standard of quality in each field and subfield; 'world leading', 'internationally' and 'nationally' in this context refer to quality standards; they do not refer to the nature or geographical scope of particular subjects, nor to the focus of research nor its place of dissemination; for example, research which is focused on the subject specific to the Czech Republic might be of 'world leading' standard, on the contrary, work with an international focus might not be of 'world leading, internationally excellent or internationally recognized' standard.

**Quality of Outputs by Journals Ranking:** number of outputs in top decile (1\*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Quality of Outputs by Number of Citations:** number of outputs in the top decile (1\*) and in quartiles (1, 2, 3+4) of the list of outputs ordered by the number of citations; n. a. - the number of outputs in the field is low and/or the number of citations is not sufficient for relevant judgement; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Quality of Outputs by Citation Sources:** fraction of citations of all outputs in the top quartile (TOP25) or the top half (TOP50) of list of journals ordered by AIS; fraction of "not cited" outputs is added; orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Field Structure of Outputs:** number of outputs of the team in different fields; if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of Outputs by Journals Ranking) is taken; the table shows up to 30 fields.

**Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2010–2014**  
**RESULTS OF THE PHASE I. AND BIBLIOMETRIC PARAMETERS**

**Institute:** Institute of Microbiology of the CAS, v. v. i.

**Team:** 114 - Laboratory of Biotransformation

**Head:** Křen Vladimír

**Total number of outputs :** 125      **Evaluated outputs :** 20 (0)      **Outputs for bibliometry :** 107      **Large collaborations outputs:** 0

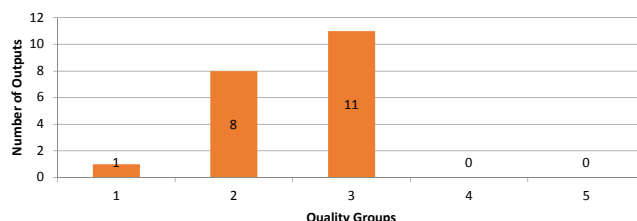
**Quality Groups of Outputs (Results of the Phase I.)**

|         |   |   |    |   |   |
|---------|---|---|----|---|---|
| Quality | 1 | 2 | 3  | 4 | 5 |
| Outputs | 1 | 8 | 11 | 0 | 0 |

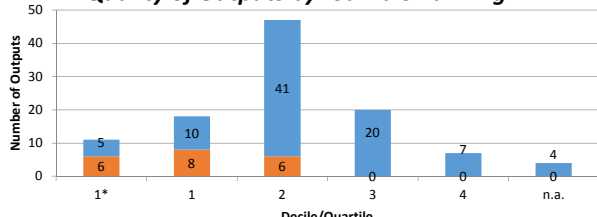
**Quality Groups:**

- (1): Quality that is **world-leading** in terms of originality, significance and rigour.  
 (2): Quality that is **internationally excellent** in terms of originality, significance and rigour but which falls short of the highest standards of excellence.  
 (3): Quality that is **recognized internationally** in terms of originality, significance and rigour.  
 (4): Quality that is **recognized nationally** in terms of originality, significance and rigour.  
 (5): Quality that falls **below the standard** of nationally recognized work. Or work which does not meet the published definition of research for the purposes of this assessment.

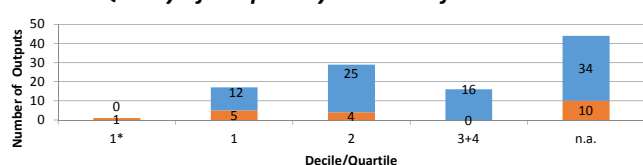
**Quality Profile**



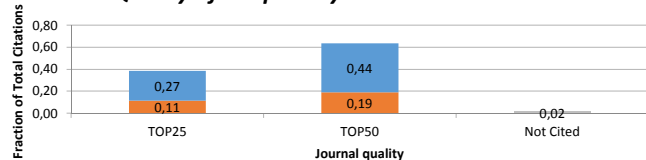
**Quality of Outputs by Journals Ranking**



**Quality of Outputs by Number of Citations**



**Quality of Outputs by Citation Sources**



**Field Structure of Outputs**

| Field Structure of Outputs            | Outputs |
|---------------------------------------|---------|
| BIOCHEMISTRY & MOLECULAR BIOLOGY      | 21      |
| BIOTECHNOLOGY & APPLIED MICROBIOLOGY  | 16      |
| CHEMISTRY, ORGANIC                    | 12      |
| CHEMISTRY, MEDICINAL                  | 9       |
| ENGINEERING, CHEMICAL                 | 7       |
| CHEMISTRY, MULTIDISCIPLINARY          | 6       |
| CHEMISTRY, APPLIED                    | 5       |
| CHEMISTRY, ANALYTICAL                 | 5       |
| PHARMACOLOGY & PHARMACY               | 4       |
| AGRICULTURAL ENGINEERING              | 3       |
| CHEMISTRY, INORGANIC & NUCLEAR        | 3       |
| FOOD SCIENCE & TECHNOLOGY             | 2       |
| MICROBIOLOGY                          | 2       |
| AGRICULTURE, MULTIDISCIPLINARY        | 1       |
| BIOLOGY                               | 1       |
| CRYSTALLOGRAPHY                       | 1       |
| CHEMISTRY, PHYSICAL                   | 1       |
| MULTIDISCIPLINARY SCIENCES            | 1       |
| ENVIRONMENTAL SCIENCES                | 1       |
| MYCOLOGY                              | 1       |
| PHYSICS, ATOMIC, MOLECULAR & CHEMICAL | 1       |
| ELECTROCHEMISTRY                      | 1       |
| PLANT SCIENCES                        | 1       |
| BIOPHYSICS                            | 1       |
| BIOCHEMICAL RESEARCH METHODS          | 1       |

**Total number of outputs:** selected types of outputs published in 2010-2014 and registered in the institutional research information system: journal article, monograph, monograph chapter, proceedings paper, patent, utility model, industrial design, prototype, functional specimen, norms and directives, specialized map, realized certified methodology, software, pilot plant, verified technology, plant breed/variety.

**Evaluated outputs:** outputs submitted by the team and evaluated in the Phase I (value in the brackets shows number of outputs submitted by the team but not evaluated in the Phase I).

**Outputs for bibliometry:** publications in 2010-2014 with less than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Large collaborations outputs:** publications in 2010-2014 with more than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Quality Profile:** number of evaluated outputs vs quality groups (5 groups); 'world-leading' quality denotes an absolute standard of quality in each field and subfield; 'world leading', 'internationally' and 'nationally' in this context refer to quality standards; they do not refer to the nature or geographical scope of particular subjects, nor to the focus of research nor its place of dissemination; for example, research which is focused on the subject specific to the Czech Republic might be of 'world leading' standard, on the contrary, work with an international focus might not be of 'world leading, internationally excellent or internationally recognized' standard.

**Quality of Outputs by Journals Ranking:** number of outputs in top decile (1\*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Quality of Outputs by Number of Citations:** number of outputs in the top decile (1\*) and in quartiles (1, 2, 3+4) of the list of outputs ordered by the number of citations; n. a. - the number of outputs in the field is low and/or the number of citations is not sufficient for relevant judgement; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Quality of Outputs by Citation Sources:** fraction of citations of all outputs in the top quartile (TOP25) or the top half (TOP50) of list of journals ordered by AIS; fraction of "not cited" outputs is added; orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Field Structure of Outputs:** number of outputs of the team in different fields; if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of Outputs by Journals Ranking) is taken; the table shows up to 30 fields.

# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2010–2014

## RESULTS OF THE PHASE I. AND BIBLIOMETRIC PARAMETERS

**Institute:** Institute of Microbiology of the CAS, v. v. i.

**Team:** 116 - Laboratory of Enzyme Technology

**Head:** Kyslík Pavel

**Total number of outputs :** 25      **Evaluated outputs :** 13 (0)      **Outputs for bibliometry :** 16      **Large collaborations outputs:** 0

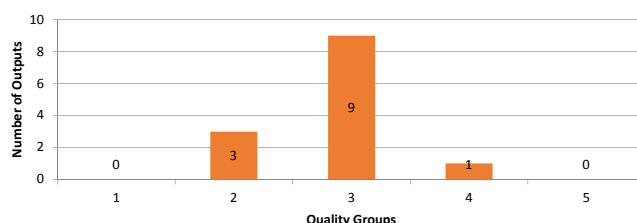
### Quality Groups of Outputs (Results of the Phase I.)

|         |   |   |   |   |   |
|---------|---|---|---|---|---|
| Quality | 1 | 2 | 3 | 4 | 5 |
| Outputs | 0 | 3 | 9 | 1 | 0 |

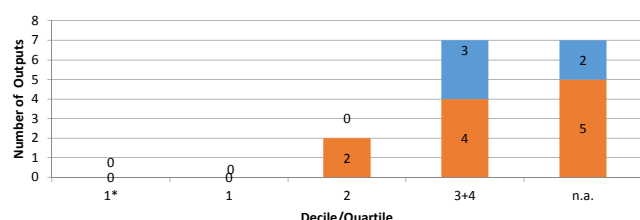
#### Quality Groups:

- (1): Quality that is **world-leading** in terms of originality, significance and rigour.  
 (2): Quality that is **internationally excellent** in terms of originality, significance and rigour but which falls short of the highest standards of excellence.  
 (3): Quality that is **recognized internationally** in terms of originality, significance and rigour.  
 (4): Quality that is **recognized nationally** in terms of originality, significance and rigour.  
 (5): Quality that falls **below the standard** of nationally recognized work. Or work which does not meet the published definition of research for the purposes of this assessment.

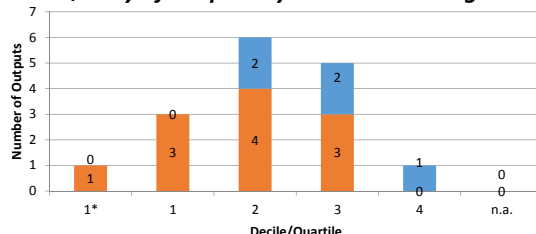
### Quality Profile



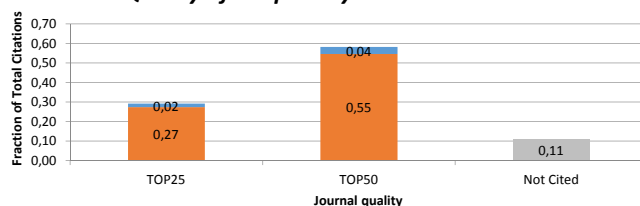
### Quality of Outputs by Number of Citations



### Quality of Outputs by Journals Ranking



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

| Field Structure of Outputs           | Outputs |
|--------------------------------------|---------|
| BIOTECHNOLOGY & APPLIED MICROBIOLOGY | 7       |
| MYCOLOGY                             | 4       |
| CHEMISTRY, PHYSICAL                  | 2       |
| BIOCHEMISTRY & MOLECULAR BIOLOGY     | 1       |
| AGRICULTURAL ENGINEERING             | 1       |
| ENGINEERING, CHEMICAL                | 1       |

**Total number of outputs:** selected types of outputs published in 2010-2014 and registered in the institutional research information system: journal article, monograph, monograph chapter, proceedings paper, patent, utility model, industrial design, prototype, functional specimen, norms and directives, specialized map, realized certified methodology, software, pilot plant, verified technology, plant breed/variety.

**Evaluated outputs:** outputs submitted by the team and evaluated in the Phase I (value in the brackets shows number of outputs submitted by the team but not evaluated in the Phase I).

**Outputs for bibliometry:** publications in 2010-2014 with less than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Large collaborations outputs:** publications in 2010-2014 with more than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Quality Profile:** number of evaluated outputs vs quality groups (5 groups); 'world-leading' quality denotes an absolute standard of quality in each field and subfield; 'world leading', 'internationally' and 'nationally' in this context refer to quality standards; they do not refer to the nature or geographical scope of particular subjects, nor to the focus of research nor its place of dissemination; for example, research which is focused on the subject specific to the Czech Republic might be of 'world leading' standard, on the contrary, work with an international focus might not be of 'world leading, internationally excellent or internationally recognized' standard.

**Quality of Outputs by Journals Ranking:** number of outputs in top decile (1\*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Quality of Outputs by Number of Citations:** number of outputs in the top decile (1\*) and in quartiles (1, 2, 3+4) of the list of outputs ordered by the number of citations; n. a. - the number of outputs in the field is low and/or the number of citations is not sufficient for relevant judgement; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Quality of Outputs by Citation Sources:** fraction of citations of all outputs in the top quartile (TOP25) or the top half (TOP50) of list of journals ordered by AIS; fraction of "not cited" outputs is added; orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Field Structure of Outputs:** number of outputs of the team in different fields; if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of Outputs by Journals Ranking) is taken; the table shows up to 30 fields.

# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2010–2014

## RESULTS OF THE PHASE I. AND BIBLIOMETRIC PARAMETERS

**Institute:** Institute of Microbiology of the CAS, v. v. i.

**Team:** 122 - Laboratory of Cell Reproduction

**Head:** Hašek Jiří

**Total number of outputs :** 27

**Evaluated outputs :** 10 (0)

**Outputs for bibliometry :** 16

**Large collaborations outputs:** 0

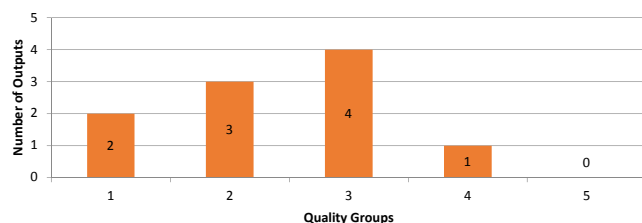
### Quality Groups of Outputs (Results of the Phase I.)

|         |   |   |   |   |   |
|---------|---|---|---|---|---|
| Quality | 1 | 2 | 3 | 4 | 5 |
| Outputs | 2 | 3 | 4 | 1 | 0 |

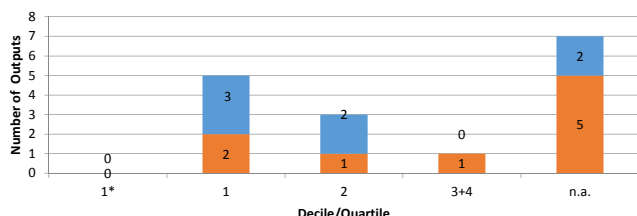
#### Quality Groups:

- (1): Quality that is **world-leading** in terms of originality, significance and rigour.  
 (2): Quality that is **internationally excellent** in terms of originality, significance and rigour but which falls short of the highest standards of excellence.  
 (3): Quality that is **recognized internationally** in terms of originality, significance and rigour.  
 (4): Quality that is **recognized nationally** in terms of originality, significance and rigour.  
 (5): Quality that falls **below the standard** of nationally recognized work. Or work which does not meet the published definition of research for the purposes of this assessment.

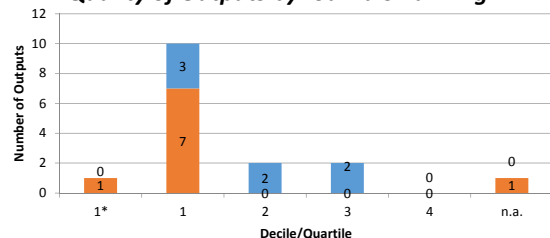
### Quality Profile



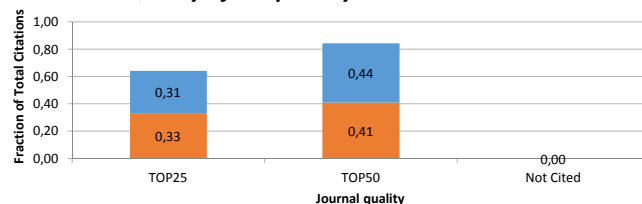
### Quality of Outputs by Number of Citations



### Quality of Outputs by Journals Ranking



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

| Field Structure of Outputs | Outputs |
|----------------------------|---------|
| MULTIDISCIPLINARY SCIENCES | 4       |
| MICROBIOLOGY               | 3       |
| MYCOLOGY                   | 2       |
| PLANT SCIENCES             | 2       |
| ONCOLOGY                   | 1       |
| GENETICS & HEREDITY        | 1       |
| FOOD SCIENCE & TECHNOLOGY  | 1       |
| CELL BIOLOGY               | 1       |
| ENVIRONMENTAL SCIENCES     | 1       |

**Total number of outputs:** selected types of outputs published in 2010-2014 and registered in the institutional research information system: journal article, monograph, monograph chapter, proceedings paper, patent, utility model, industrial design, prototype, functional specimen, norms and directives, specialized map, realized certified methodology, software, pilot plant, verified technology, plant breed/variety.

**Evaluated outputs:** outputs submitted by the team and evaluated in the Phase I (value in the brackets shows number of outputs submitted by the team but not evaluated in the Phase I).

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**Large collaborations outputs:** publications in 2010-2014 with more than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Quality Profile:** number of evaluated outputs vs quality groups (5 groups); 'world-leading' quality denotes an absolute standard of quality in each field and subfield; 'world leading', 'internationally' and 'nationally' in this context refer to quality standards; they do not refer to the nature or geographical scope of particular subjects, nor to the focus of research nor its place of dissemination; for example, research which is focused on the subject specific to the Czech Republic might be of 'world leading' standard, on the contrary, work with an international focus might not be of 'world leading, internationally excellent or internationally recognized' standard.

**Quality of Outputs by Journals Ranking:** number of outputs in top decile (1\*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

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**Field Structure of Outputs:** number of outputs of the team in different fields; if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of Outputs by Journals Ranking) is taken; the table shows up to 30 fields.

# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2010–2014

## RESULTS OF THE PHASE I. AND BIBLIOMETRIC PARAMETERS

**Institute:** Institute of Microbiology of the CAS, v. v. i.

**Team:** 123 - Laboratory of Molecular Genetics of Bacteria

**Head:** Pátek Miroslav

**Total number of outputs :** 53

**Evaluated outputs :** 18 (0)

**Outputs for bibliometry :** 40

**Large collaborations outputs:** 0

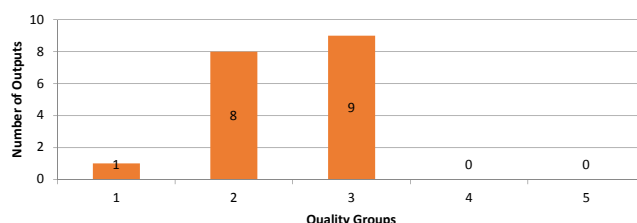
### Quality Groups of Outputs (Results of the Phase I.)

|         |   |   |   |   |   |
|---------|---|---|---|---|---|
| Quality | 1 | 2 | 3 | 4 | 5 |
| Outputs | 1 | 8 | 9 | 0 | 0 |

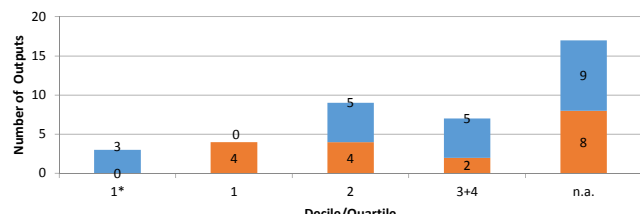
#### Quality Groups:

- (1): Quality that is **world-leading** in terms of originality, significance and rigour.  
 (2): Quality that is **internationally excellent** in terms of originality, significance and rigour but which falls short of the highest standards of excellence.  
 (3): Quality that is **recognized internationally** in terms of originality, significance and rigour.  
 (4): Quality that is **recognized nationally** in terms of originality, significance and rigour.  
 (5): Quality that falls **below the standard** of nationally recognized work. Or work which does not meet the published definition of research for the purposes of this assessment.

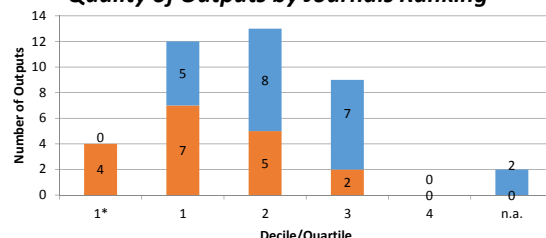
### Quality Profile



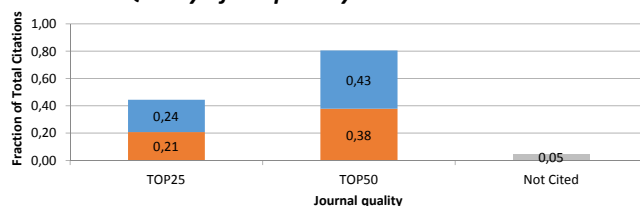
### Quality of Outputs by Number of Citations



### Quality of Outputs by Journals Ranking



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

| Field Structure of Outputs           | Outputs |
|--------------------------------------|---------|
| BIOCHEMISTRY & MOLECULAR BIOLOGY     | 11      |
| BIOTECHNOLOGY & APPLIED MICROBIOLOGY | 10      |
| MICROBIOLOGY                         | 5       |
| SPECTROSCOPY                         | 5       |
| OPTICS                               | 3       |
| CHEMISTRY, MEDICINAL                 | 2       |
| CELL BIOLOGY                         | 1       |
| MATERIALS SCIENCE, BIOMATERIALS      | 1       |
| MATERIALS SCIENCE, MULTIDISCIPLINARY | 1       |
| CHEMISTRY, MULTIDISCIPLINARY         | 1       |

**Total number of outputs:** selected types of outputs published in 2010-2014 and registered in the institutional research information system: journal article, monograph, monograph chapter, proceedings paper, patent, utility model, industrial design, prototype, functional specimen, norms and directives, specialized map, realized certified methodology, software, pilot plant, verified technology, plant breed/variety.

**Evaluated outputs:** outputs submitted by the team and evaluated in the Phase I (value in the brackets shows number of outputs submitted by the team but not evaluated in the Phase I).

**Outputs for bibliometry:** publications in 2010-2014 with less than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Large collaborations outputs:** publications in 2010-2014 with more than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Quality Profile:** number of evaluated outputs vs quality groups (5 groups); 'world-leading' quality denotes an absolute standard of quality in each field and subfield; 'world leading', 'internationally' and 'nationally' in this context refer to quality standards; they do not refer to the nature or geographical scope of particular subjects, nor to the focus of research nor its place of dissemination; for example, research which is focused on the subject specific to the Czech Republic might be of 'world leading' standard, on the contrary, work with an international focus might not be of 'world leading, internationally excellent or internationally recognized' standard.

**Quality of Outputs by Journals Ranking:** number of outputs in top decile (1\*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Quality of Outputs by Number of Citations:** number of outputs in the top decile (1\*) and in quartiles (1, 2, 3+4) of the list of outputs ordered by the number of citations; n. a. - the number of outputs in the field is low and/or the number of citations is not sufficient for relevant judgement; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Quality of Outputs by Citation Sources:** fraction of citations of all outputs in the top quartile (TOP25) or the top half (TOP50) of list of journals ordered by AIS; fraction of "not cited" outputs is added; orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Field Structure of Outputs:** number of outputs of the team in different fields; if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of Outputs by Journals Ranking) is taken; the table shows up to 30 fields.

# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2010–2014

## RESULTS OF THE PHASE I. AND BIBLIOMETRIC PARAMETERS

**Institute:** Institute of Microbiology of the CAS, v. v. i.

**Team:** 124 - Laboratory of Cell Biology

**Head:** Váchová Libuše

**Total number of outputs :** 64

**Evaluated outputs :** 10 (0)

**Outputs for bibliometry :** 51

**Large collaborations outputs:** 0

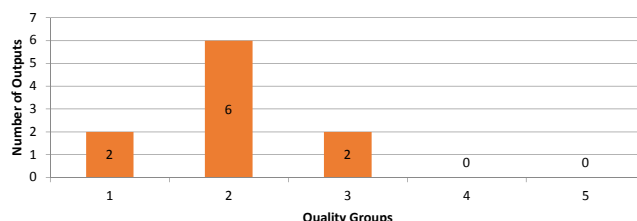
### Quality Groups of Outputs (Results of the Phase I.)

|         |   |   |   |   |   |
|---------|---|---|---|---|---|
| Quality | 1 | 2 | 3 | 4 | 5 |
| Outputs | 2 | 6 | 2 | 0 | 0 |

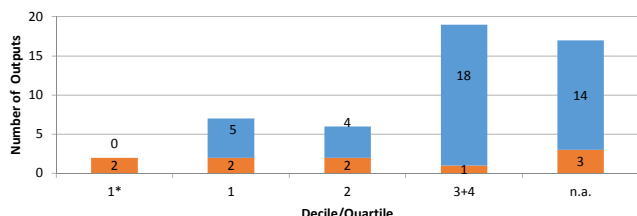
#### Quality Groups:

- (1): Quality that is **world-leading** in terms of originality, significance and rigour.  
 (2): Quality that is **internationally excellent** in terms of originality, significance and rigour but which falls short of the highest standards of excellence.  
 (3): Quality that is **recognized internationally** in terms of originality, significance and rigour.  
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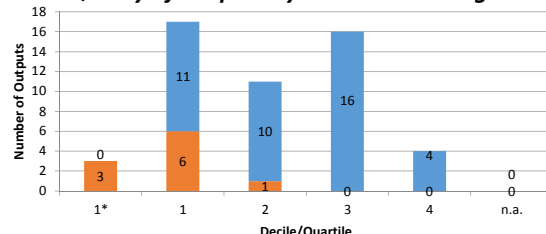
### Quality Profile



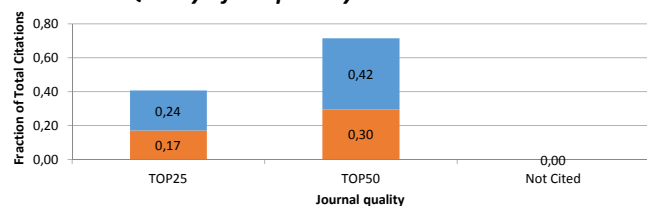
### Quality of Outputs by Number of Citations



### Quality of Outputs by Journals Ranking



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

| Field                                | Outputs |
|--------------------------------------|---------|
| BIOCHEMISTRY & MOLECULAR BIOLOGY     | 14      |
| BIOTECHNOLOGY & APPLIED MICROBIOLOGY | 9       |
| PLANT SCIENCES                       | 8       |
| CELL BIOLOGY                         | 4       |
| FOOD SCIENCE & TECHNOLOGY            | 4       |
| MICROBIOLOGY                         | 3       |
| MULTIDISCIPLINARY SCIENCES           | 2       |
| MYCOLOGY                             | 1       |
| BIOCHEMICAL RESEARCH METHODS         | 1       |
| CHEMISTRY, ANALYTICAL                | 1       |
| NUTRITION & DIETETICS                | 1       |
| CHEMISTRY, ORGANIC                   | 1       |
| AGRICULTURAL ENGINEERING             | 1       |
| AGRONOMY                             | 1       |

**Total number of outputs:** selected types of outputs published in 2010-2014 and registered in the institutional research information system: journal article, monograph, monograph chapter, proceedings paper, patent, utility model, industrial design, prototype, functional specimen, norms and directives, specialized map, realized certified methodology, software, pilot plant, verified technology, plant breed/variety.

**Evaluated outputs:** outputs submitted by the team and evaluated in the Phase I (value in the brackets shows number of outputs submitted by the team but not evaluated in the Phase I).

**Outputs for bibliometry:** publications in 2010-2014 with less than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Large collaborations outputs:** publications in 2010-2014 with more than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Quality Profile:** number of evaluated outputs vs quality groups (5 groups); 'world-leading' quality denotes an absolute standard of quality in each field and subfield; 'world leading', 'internationally' and 'nationally' in this context refer to quality standards; they do not refer to the nature or geographical scope of particular subjects, nor to the focus of research nor its place of dissemination; for example, research which is focused on the subject specific to the Czech Republic might be of 'world leading' standard, on the contrary, work with an international focus might not be of 'world leading, internationally excellent or internationally recognized' standard.

**Quality of Outputs by Journals Ranking:** number of outputs in top decile (1\*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

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**Quality of Outputs by Citation Sources:** fraction of citations of all outputs in the top quartile (TOP25) or the top half (TOP50) of list of journals ordered by AIS; fraction of "not cited" outputs is added; orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Field Structure of Outputs:** number of outputs of the team in different fields; if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of Outputs by Journals Ranking) is taken; the table shows up to 30 fields.

# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2010–2014

## RESULTS OF THE PHASE I. AND BIBLIOMETRIC PARAMETERS

**Institute:** Institute of Microbiology of the CAS, v. v. i.

**Team:** 125 - Laboratory of Molecular Biology of Bacterial Pathogens

**Head:** Šebo Peter

**Total number of outputs :** 59      **Evaluated outputs :** 22 (0)      **Outputs for bibliometry :** 40      **Large collaborations outputs:** 0

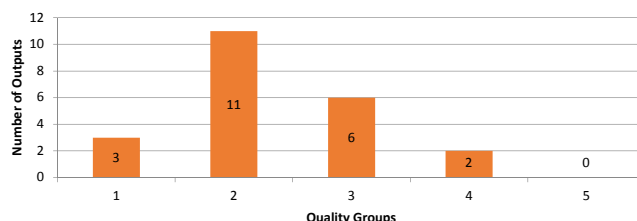
### Quality Groups of Outputs (Results of the Phase I.)

|         |   |    |   |   |   |
|---------|---|----|---|---|---|
| Quality | 1 | 2  | 3 | 4 | 5 |
| Outputs | 3 | 11 | 6 | 2 | 0 |

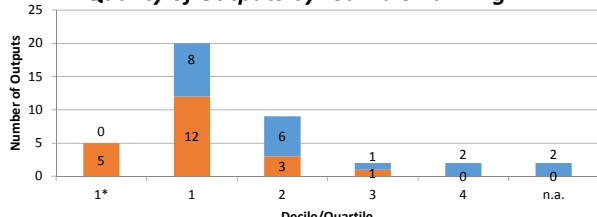
#### Quality Groups:

- (1): Quality that is **world-leading** in terms of originality, significance and rigour.  
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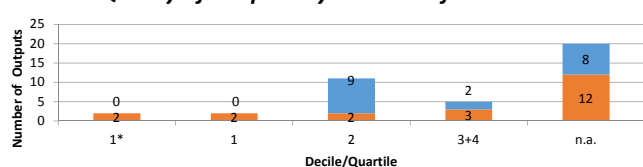
### Quality Profile



### Quality of Outputs by Journals Ranking



### Quality of Outputs by Number of Citations



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

| Field Structure of Outputs           | Outputs |
|--------------------------------------|---------|
| IMMUNOLOGY                           | 11      |
| BIOCHEMISTRY & MOLECULAR BIOLOGY     | 6       |
| MULTIDISCIPLINARY SCIENCES           | 4       |
| MICROBIOLOGY                         | 4       |
| INSTRUMENTS & INSTRUMENTATION        | 2       |
| HEMATOLOGY                           | 2       |
| CHEMISTRY, ANALYTICAL                | 2       |
| DENTISTRY, ORAL SURGERY & MEDICINE   | 1       |
| CRYSTALLOGRAPHY                      | 1       |
| MEDICINE, RESEARCH & EXPERIMENTAL    | 1       |
| BIOTECHNOLOGY & APPLIED MICROBIOLOGY | 1       |
| INFECTIOUS DISEASES                  | 1       |
| PHARMACOLOGY & PHARMACY              | 1       |
| VETERINARY SCIENCES                  | 1       |
| BIOPHYSICS                           | 1       |
| CHEMISTRY, PHYSICAL                  | 1       |

**Total number of outputs:** selected types of outputs published in 2010-2014 and registered in the institutional research information system: journal article, monograph, monograph chapter, proceedings paper, patent, utility model, industrial design, prototype, functional specimen, norms and directives, specialized map, realized certified methodology, software, pilot plant, verified technology, plant breed/variety.

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**Outputs for bibliometry:** publications in 2010-2014 with less than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Large collaborations outputs:** publications in 2010-2014 with more than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Quality Profile:** number of evaluated outputs vs quality groups (5 groups); 'world-leading' quality denotes an absolute standard of quality in each field and subfield; 'world leading', 'internationally' and 'nationally' in this context refer to quality standards; they do not refer to the nature or geographical scope of particular subjects, nor to the focus of research nor its place of dissemination; for example, research which is focused on the subject specific to the Czech Republic might be of 'world leading' standard, on the contrary, work with an international focus might not be of 'world leading, internationally excellent or internationally recognized' standard.

**Quality of Outputs by Journals Ranking:** number of outputs in top decile (1\*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Quality of Outputs by Number of Citations:** number of outputs in the top decile (1\*) and in quartiles (1, 2, 3+4) of the list of outputs ordered by the number of citations; n. a. - the number of outputs in the field is low and/or the number of citations is not sufficient for relevant judgement; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Quality of Outputs by Citation Sources:** fraction of citations of all outputs in the top quartile (TOP25) or the top half (TOP50) of list of journals ordered by AIS; fraction of "not cited" outputs is added; orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Field Structure of Outputs:** number of outputs of the team in different fields; if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of Outputs by Journals Ranking) is taken; the table shows up to 30 fields.



# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2010–2014

## RESULTS OF THE PHASE I. AND BIBLIOMETRIC PARAMETERS

**Institute:** Institute of Microbiology of the CAS, v. v. i.

**Team:** 126 - Laboratory of Bioinformatics

**Head:** Vohradský Jiří

**Total number of outputs :** 16

**Evaluated outputs :** 5 (0)

**Outputs for bibliometry :** 14

**Large collaborations outputs:** 0

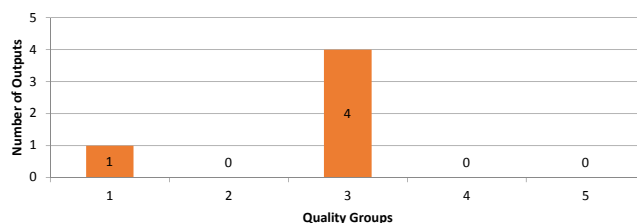
### Quality Groups of Outputs (Results of the Phase I.)

|         |   |   |   |   |   |
|---------|---|---|---|---|---|
| Quality | 1 | 2 | 3 | 4 | 5 |
| Outputs | 1 | 0 | 4 | 0 | 0 |

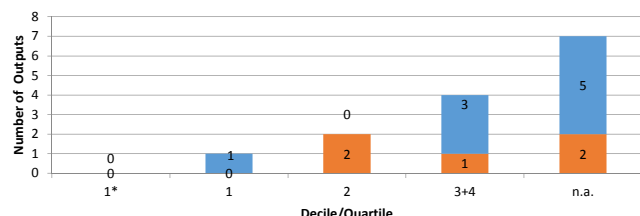
#### Quality Groups:

- (1): Quality that is **world-leading** in terms of originality, significance and rigour.  
 (2): Quality that is **internationally excellent** in terms of originality, significance and rigour but which falls short of the highest standards of excellence.  
 (3): Quality that is **recognized internationally** in terms of originality, significance and rigour.  
 (4): Quality that is **recognized nationally** in terms of originality, significance and rigour.  
 (5): Quality that falls **below the standard** of nationally recognized work. Or work which does not meet the published definition of research for the purposes of this assessment.

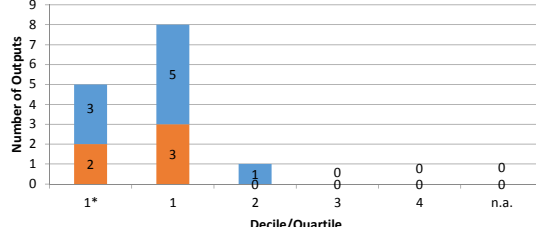
### Quality Profile



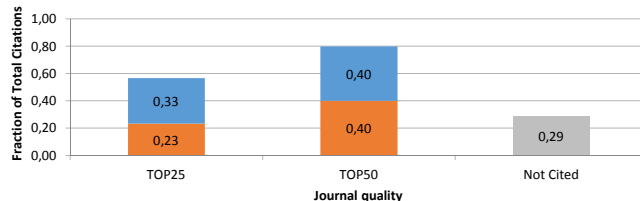
### Quality of Outputs by Number of Citations



### Quality of Outputs by Journals Ranking



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

| Field Structure of Outputs           | Outputs |
|--------------------------------------|---------|
| BIOCHEMISTRY & MOLECULAR BIOLOGY     | 7       |
| BIOTECHNOLOGY & APPLIED MICROBIOLOGY | 2       |
| BIOLOGY                              | 2       |
| BIOCHEMICAL RESEARCH METHODS         | 1       |
| MULTIDISCIPLINARY SCIENCES           | 1       |
| GENETICS & HEREDITY                  | 1       |

**Total number of outputs:** selected types of outputs published in 2010-2014 and registered in the institutional research information system: journal article, monograph, monograph chapter, proceedings paper, patent, utility model, industrial design, prototype, functional specimen, norms and directives, specialized map, realized certified methodology, software, pilot plant, verified technology, plant breed/variety.

**Evaluated outputs:** outputs submitted by the team and evaluated in the Phase I (value in the brackets shows number of outputs submitted by the team but not evaluated in the Phase I).

**Outputs for bibliometry:** publications in 2010-2014 with less than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Large collaborations outputs:** publications in 2010-2014 with more than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Quality Profile:** number of evaluated outputs vs quality groups (5 groups); 'world-leading' quality denotes an absolute standard of quality in each field and subfield; 'world leading', 'internationally' and 'nationally' in this context refer to quality standards; they do not refer to the nature or geographical scope of particular subjects, nor to the focus of research nor its place of dissemination; for example, research which is focused on the subject specific to the Czech Republic might be of 'world leading' standard, on the contrary, work with an international focus might not be of 'world leading, internationally excellent or internationally recognized' standard.

**Quality of Outputs by Journals Ranking:** number of outputs in top decile (1\*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2010–2014

## RESULTS OF THE PHASE I. AND BIBLIOMETRIC PARAMETERS

**Institute:** Institute of Microbiology of the CAS, v. v. i.

**Team:** 127 - Laboratory of Cell Signalization

**Head:** Branny Pavel

**Total number of outputs :** 30      **Evaluated outputs :** 16 (0)      **Outputs for bibliometry :** 27      **Large collaborations outputs:** 0

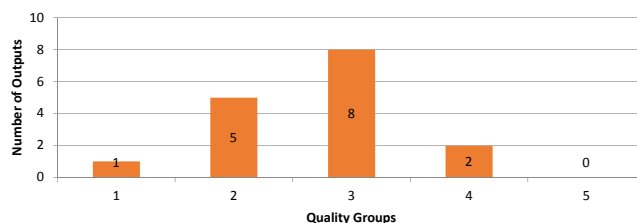
### Quality Groups of Outputs (Results of the Phase I.)

|         |   |   |   |   |   |
|---------|---|---|---|---|---|
| Quality | 1 | 2 | 3 | 4 | 5 |
| Outputs | 1 | 5 | 8 | 2 | 0 |

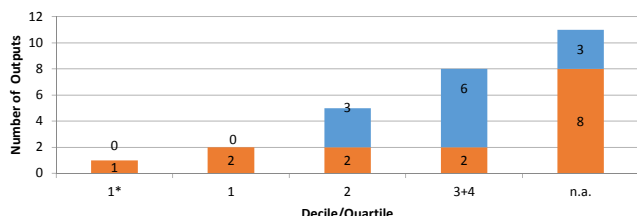
#### Quality Groups:

- (1): Quality that is **world-leading** in terms of originality, significance and rigour.  
 (2): Quality that is **internationally excellent** in terms of originality, significance and rigour but which falls short of the highest standards of excellence.  
 (3): Quality that is **recognized internationally** in terms of originality, significance and rigour.  
 (4): Quality that is **recognized nationally** in terms of originality, significance and rigour.  
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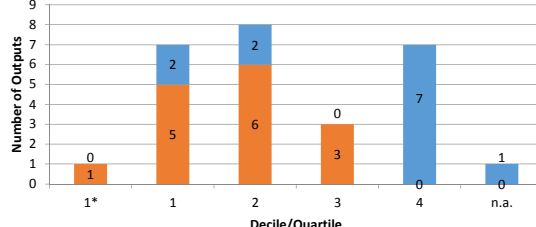
### Quality Profile



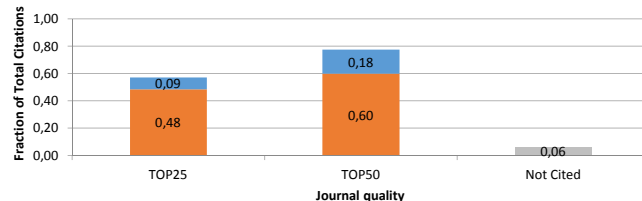
### Quality of Outputs by Number of Citations



### Quality of Outputs by Journals Ranking



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

| Field Structure of Outputs            | Outputs |
|---------------------------------------|---------|
| BIOTECHNOLOGY & APPLIED MICROBIOLOGY  | 8       |
| BIOCHEMISTRY & MOLECULAR BIOLOGY      | 8       |
| MICROBIOLOGY                          | 4       |
| CELL BIOLOGY                          | 2       |
| PHYSIOLOGY                            | 1       |
| PHYSICS, ATOMIC, MOLECULAR & CHEMICAL | 1       |
| ZOOLOGY                               | 1       |
| IMMUNOLOGY                            | 1       |
| MULTIDISCIPLINARY SCIENCES            | 1       |

**Total number of outputs:** selected types of outputs published in 2010-2014 and registered in the institutional research information system: journal article, monograph, monograph chapter, proceedings paper, patent, utility model, industrial design, prototype, functional specimen, norms and directives, specialized map, realized certified methodology, software, pilot plant, verified technology, plant breed/variety.

**Evaluated outputs:** outputs submitted by the team and evaluated in the Phase I (value in the brackets shows number of outputs submitted by the team but not evaluated in the Phase I).

**Outputs for bibliometry:** publications in 2010-2014 with less than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Large collaborations outputs:** publications in 2010-2014 with more than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Quality Profile:** number of evaluated outputs vs quality groups (5 groups); 'world-leading' quality denotes an absolute standard of quality in each field and subfield; 'world leading', 'internationally' and 'nationally' in this context refer to quality standards; they do not refer to the nature or geographical scope of particular subjects, nor to the focus of research nor its place of dissemination; for example, research which is focused on the subject specific to the Czech Republic might be of 'world leading' standard, on the contrary, work with an international focus might not be of 'world leading, internationally excellent or internationally recognized' standard.

**Quality of Outputs by Journals Ranking:** number of outputs in top decile (1\*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2010–2014

## RESULTS OF THE PHASE I. AND BIBLIOMETRIC PARAMETERS

**Institute:** Institute of Microbiology of the CAS, v. v. i.

**Team:** 128 - Laboratory of Regulation of Gene Expression

**Head:** Valášek Leoš Shivaya

**Total number of outputs :** 22

**Evaluated outputs :** 7 (0)

**Outputs for bibliometry :** 20

**Large collaborations outputs:** 0

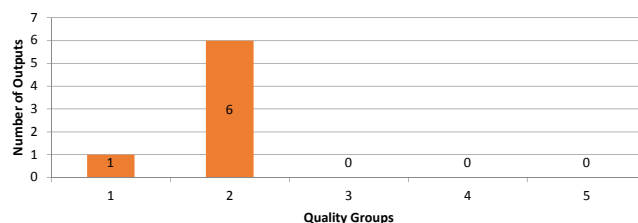
### Quality Groups of Outputs (Results of the Phase I.)

| Quality | 1 | 2 | 3 | 4 | 5 |
|---------|---|---|---|---|---|
| Outputs | 1 | 6 | 0 | 0 | 0 |

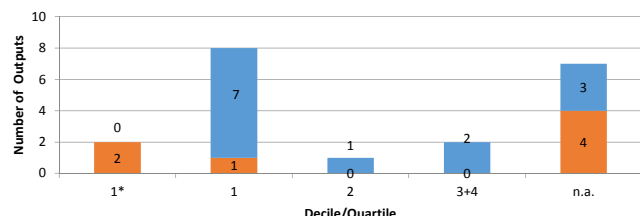
#### Quality Groups:

- (1): Quality that is **world-leading** in terms of originality, significance and rigour.  
 (2): Quality that is **internationally excellent** in terms of originality, significance and rigour but which falls short of the highest standards of excellence.  
 (3): Quality that is **recognized internationally** in terms of originality, significance and rigour.  
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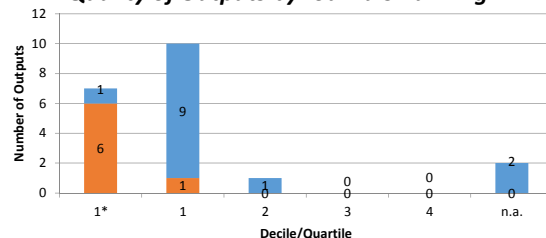
### Quality Profile



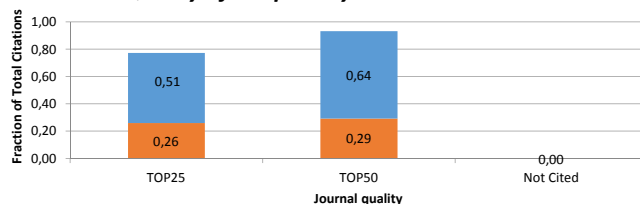
### Quality of Outputs by Number of Citations



### Quality of Outputs by Journals Ranking



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

| Field Structure of Outputs       | Outputs |
|----------------------------------|---------|
| BIOCHEMISTRY & MOLECULAR BIOLOGY | 13      |
| MULTIDISCIPLINARY SCIENCES       | 2       |
| GENETICS & HEREDITY              | 2       |
| BIOCHEMICAL RESEARCH METHODS     | 2       |
| CELL BIOLOGY                     | 1       |

**Total number of outputs:** selected types of outputs published in 2010-2014 and registered in the institutional research information system: journal article, monograph, monograph chapter, proceedings paper, patent, utility model, industrial design, prototype, functional specimen, norms and directives, specialized map, realized certified methodology, software, pilot plant, verified technology, plant breed/variety.

**Evaluated outputs:** outputs submitted by the team and evaluated in the Phase I (value in the brackets shows number of outputs submitted by the team but not evaluated in the Phase I).

**Outputs for bibliometry:** publications in 2010-2014 with less than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Large collaborations outputs:** publications in 2010-2014 with more than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Quality Profile:** number of evaluated outputs vs quality groups (5 groups); 'world-leading' quality denotes an absolute standard of quality in each field and subfield; 'world leading', 'internationally' and 'nationally' in this context refer to quality standards; they do not refer to the nature or geographical scope of particular subjects, nor to the focus of research nor its place of dissemination; for example, research which is focused on the subject specific to the Czech Republic might be of 'world leading' standard, on the contrary, work with an international focus might not be of 'world leading, internationally excellent or internationally recognized' standard.

**Quality of Outputs by Journals Ranking:** number of outputs in top decile (1\*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

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**Quality of Outputs by Citation Sources:** fraction of citations of all outputs in the top quartile (TOP25) or the top half (TOP50) of list of journals ordered by AIS; fraction of "not cited" outputs is added; orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Field Structure of Outputs:** number of outputs of the team in different fields; if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of Outputs by Journals Ranking) is taken; the table shows up to 30 fields.

# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2010–2014

## RESULTS OF THE PHASE I. AND BIBLIOMETRIC PARAMETERS

**Institute:** Institute of Microbiology of the CAS, v. v. i.

**Team:** 141 - Laboratory of Environmental Microbiology

**Head:** Baldrian Petr

**Total number of outputs :** 67

**Evaluated outputs :** 15 (0)

**Outputs for bibliometry :** 56

**Large collaborations outputs:** 0

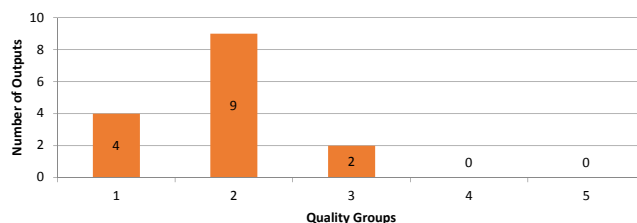
### Quality Groups of Outputs (Results of the Phase I.)

|         |   |   |   |   |   |
|---------|---|---|---|---|---|
| Quality | 1 | 2 | 3 | 4 | 5 |
| Outputs | 4 | 9 | 2 | 0 | 0 |

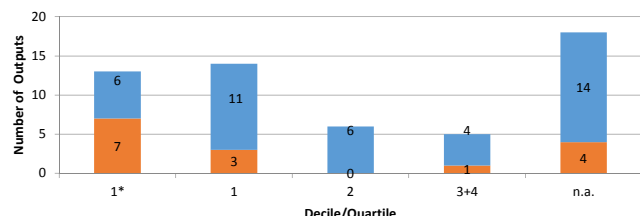
#### Quality Groups:

- (1): Quality that is **world-leading** in terms of originality, significance and rigour.  
 (2): Quality that is **internationally excellent** in terms of originality, significance and rigour but which falls short of the highest standards of excellence.  
 (3): Quality that is **recognized internationally** in terms of originality, significance and rigour.  
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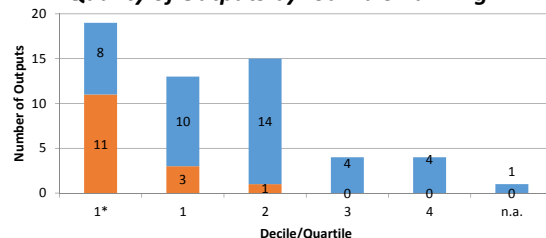
### Quality Profile



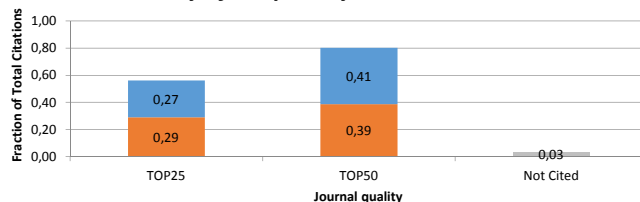
### Quality of Outputs by Number of Citations



### Quality of Outputs by Journals Ranking



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

| Field Structure of Outputs           | Outputs |
|--------------------------------------|---------|
| SOIL SCIENCE                         | 13      |
| BIOTECHNOLOGY & APPLIED MICROBIOLOGY | 9       |
| MYCOLOGY                             | 8       |
| MICROBIOLOGY                         | 5       |
| ECOLOGY                              | 5       |
| ENVIRONMENTAL SCIENCES               | 4       |
| AGRONOMY                             | 3       |
| MULTIDISCIPLINARY SCIENCES           | 3       |
| FORESTRY                             | 2       |
| PLANT SCIENCES                       | 1       |
| ENTOMOLOGY                           | 1       |
| AGRICULTURAL ENGINEERING             | 1       |
| ENGINEERING, CIVIL                   | 1       |

**Total number of outputs:** selected types of outputs published in 2010-2014 and registered in the institutional research information system: journal article, monograph, monograph chapter, proceedings paper, patent, utility model, industrial design, prototype, functional specimen, norms and directives, specialized map, realized certified methodology, software, pilot plant, verified technology, plant breed/variety.

**Evaluated outputs:** outputs submitted by the team and evaluated in the Phase I (value in the brackets shows number of outputs submitted by the team but not evaluated in the Phase I).

**Outputs for bibliometry:** publications in 2010-2014 with less than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Large collaborations outputs:** publications in 2010-2014 with more than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Quality Profile:** number of evaluated outputs vs quality groups (5 groups); 'world-leading' quality denotes an absolute standard of quality in each field and subfield; 'world leading', 'internationally' and 'nationally' in this context refer to quality standards; they do not refer to the nature or geographical scope of particular subjects, nor to the focus of research nor its place of dissemination; for example, research which is focused on the subject specific to the Czech Republic might be of 'world leading' standard, on the contrary, work with an international focus might not be of 'world leading, internationally excellent or internationally recognized' standard.

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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2010–2014

## RESULTS OF THE PHASE I. AND BIBLIOMETRIC PARAMETERS

**Institute:** Institute of Microbiology of the CAS, v. v. i.

**Team:** 142 - Laboratory of Environmental Biotechnology

**Head:** Cajthaml Tomáš

**Total number of outputs :** 82

**Evaluated outputs :** 10 (0)

**Outputs for bibliometry :** 55

**Large collaborations outputs:** 0

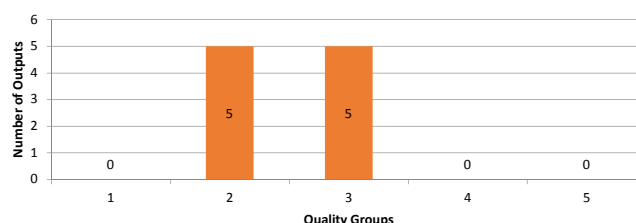
### Quality Groups of Outputs (Results of the Phase I.)

|         |   |   |   |   |   |
|---------|---|---|---|---|---|
| Quality | 1 | 2 | 3 | 4 | 5 |
| Outputs | 0 | 5 | 5 | 0 | 0 |

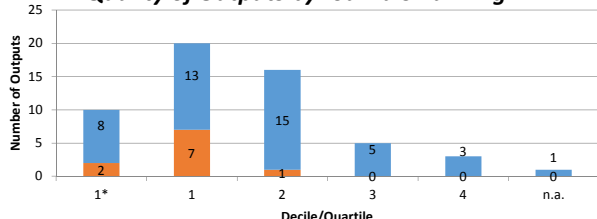
#### Quality Groups:

- (1): Quality that is **world-leading** in terms of originality, significance and rigour.  
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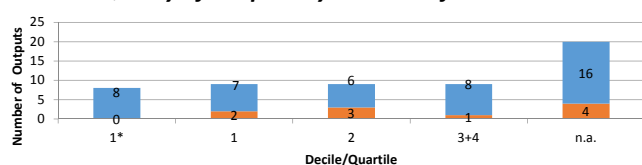
### Quality Profile



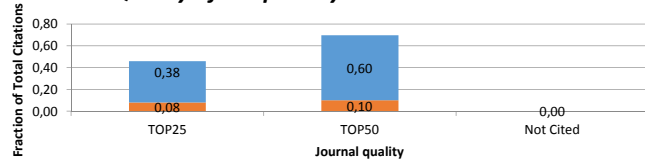
### Quality of Outputs by Journals Ranking



### Quality of Outputs by Number of Citations



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

| Field Structure of Outputs           | Outputs |
|--------------------------------------|---------|
| BIOTECHNOLOGY & APPLIED MICROBIOLOGY | 11      |
| SOIL SCIENCE                         | 10      |
| ENVIRONMENTAL SCIENCES               | 6       |
| ENGINEERING, CIVIL                   | 5       |
| AGRICULTURAL ENGINEERING             | 4       |
| CHEMISTRY, ANALYTICAL                | 4       |
| ENGINEERING, ENVIRONMENTAL           | 3       |
| MICROBIOLOGY                         | 2       |
| MYCOLOGY                             | 2       |
| AGRICULTURE, MULTIDISCIPLINARY       | 1       |
| MATERIALS SCIENCE, MULTIDISCIPLINARY | 1       |
| MULTIDISCIPLINARY SCIENCES           | 1       |
| PLANT SCIENCES                       | 1       |
| ECOLOGY                              | 1       |
| ENGINEERING, CHEMICAL                | 1       |
| MARINE & FRESHWATER BIOLOGY          | 1       |
| FORESTRY                             | 1       |

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**Large collaborations outputs:** publications in 2010-2014 with more than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Quality Profile:** number of evaluated outputs vs quality groups (5 groups); 'world-leading' quality denotes an absolute standard of quality in each field and subfield; 'world leading', 'internationally' and 'nationally' in this context refer to quality standards; they do not refer to the nature or geographical scope of particular subjects, nor to the focus of research nor its place of dissemination; for example, research which is focused on the subject specific to the Czech Republic might be of 'world leading' standard, on the contrary, work with an international focus might not be of 'world leading, internationally excellent or internationally recognized' standard.

**Quality of Outputs by Journals Ranking:** number of outputs in top decile (1\*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Quality of Outputs by Number of Citations:** number of outputs in the top decile (1\*) and in quartiles (1, 2, 3+4) of the list of outputs ordered by the number of citations; n. a. - the number of outputs in the field is low and/or the number of citations is not sufficient for relevant judgement; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Quality of Outputs by Citation Sources:** fraction of citations of all outputs in the top quartile (TOP25) or the top half (TOP50) of list of journals ordered by AIS; fraction of "not cited" outputs is added; orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Field Structure of Outputs:** number of outputs of the team in different fields; if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of Outputs by Journals Ranking) is taken; the table shows up to 30 fields.

# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2010–2014

## RESULTS OF THE PHASE I. AND BIBLIOMETRIC PARAMETERS

**Institute:** Institute of Microbiology of the CAS, v. v. i.

**Team:** 143 - Laboratory of Fungal Biology

**Head:** Jansa Jan

**Total number of outputs :** 37      **Evaluated outputs :** 10 (0)      **Outputs for bibliometry :** 32      **Large collaborations outputs:** 0

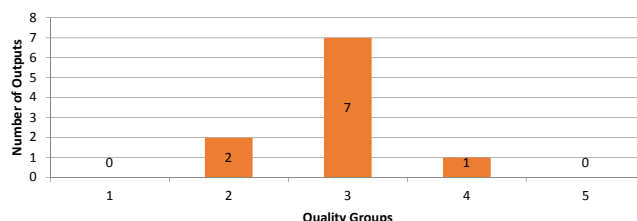
### Quality Groups of Outputs (Results of the Phase I.)

|         |   |   |   |   |   |
|---------|---|---|---|---|---|
| Quality | 1 | 2 | 3 | 4 | 5 |
| Outputs | 0 | 2 | 7 | 1 | 0 |

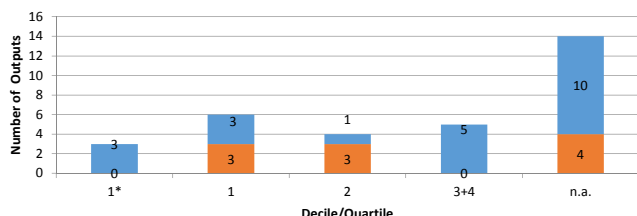
#### Quality Groups:

- (1): Quality that is **world-leading** in terms of originality, significance and rigour.  
 (2): Quality that is **internationally excellent** in terms of originality, significance and rigour but which falls short of the highest standards of excellence.  
 (3): Quality that is **recognized internationally** in terms of originality, significance and rigour.  
 (4): Quality that is **recognized nationally** in terms of originality, significance and rigour.  
 (5): Quality that falls **below the standard** of nationally recognized work. Or work which does not meet the published definition of research for the purposes of this assessment.

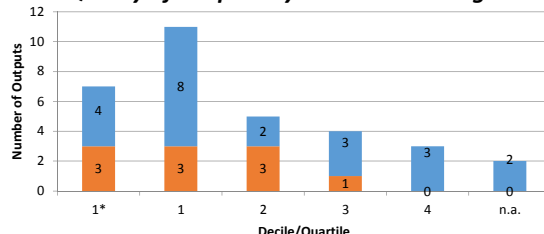
### Quality Profile



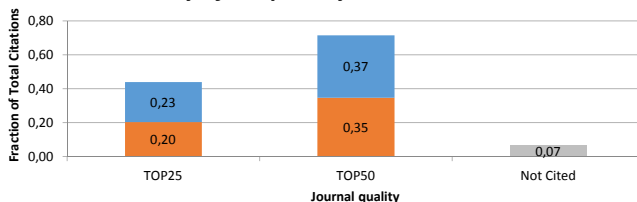
### Quality of Outputs by Number of Citations



### Quality of Outputs by Journals Ranking



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

| Field Structure of Outputs           | Outputs |
|--------------------------------------|---------|
| MYCOLOGY                             | 7       |
| SOIL SCIENCE                         | 5       |
| MICROBIOLOGY                         | 3       |
| BIOCHEMISTRY & MOLECULAR BIOLOGY     | 3       |
| PLANT SCIENCES                       | 3       |
| BIOTECHNOLOGY & APPLIED MICROBIOLOGY | 2       |
| AGRONOMY                             | 2       |
| ENVIRONMENTAL SCIENCES               | 2       |
| BIOCHEMICAL RESEARCH METHODS         | 1       |
| ECOLOGY                              | 1       |
| GEOCHEMISTRY & GEOPHYSICS            | 1       |
| MULTIDISCIPLINARY SCIENCES           | 1       |
| ENGINEERING, CIVIL                   | 1       |

**Total number of outputs:** selected types of outputs published in 2010-2014 and registered in the institutional research information system: journal article, monograph, monograph chapter, proceedings paper, patent, utility model, industrial design, prototype, functional specimen, norms and directives, specialized map, realized certified methodology, software, pilot plant, verified technology, plant breed/variety.

**Evaluated outputs:** outputs submitted by the team and evaluated in the Phase I (value in the brackets shows number of outputs submitted by the team but not evaluated in the Phase I).

**Outputs for bibliometry:** publications in 2010-2014 with less than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Large collaborations outputs:** publications in 2010-2014 with more than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Quality Profile:** number of evaluated outputs vs quality groups (5 groups); 'world-leading' quality denotes an absolute standard of quality in each field and subfield; 'world leading', 'internationally' and 'nationally' in this context refer to quality standards; they do not refer to the nature or geographical scope of particular subjects, nor to the focus of research nor its place of dissemination; for example, research which is focused on the subject specific to the Czech Republic might be of 'world leading' standard, on the contrary, work with an international focus might not be of 'world leading, internationally excellent or internationally recognized' standard.

**Quality of Outputs by Journals Ranking:** number of outputs in top decile (1\*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

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**Quality of Outputs by Citation Sources:** fraction of citations of all outputs in the top quartile (TOP25) or the top half (TOP50) of list of journals ordered by AIS; fraction of "not cited" outputs is added; orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Field Structure of Outputs:** number of outputs of the team in different fields; if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of Outputs by Journals Ranking) is taken; the table shows up to 30 fields.

# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2010–2014

## RESULTS OF THE PHASE I. AND BIBLIOMETRIC PARAMETERS

**Institute:** Institute of Microbiology of the CAS, v. v. i.

**Team:** 144 - Laboratory of Functional Cytology

**Head:** Binarová Pavla

**Total number of outputs :** 9      **Evaluated outputs :** 6 (0)      **Outputs for bibliometry :** 8      **Large collaborations outputs:** 0

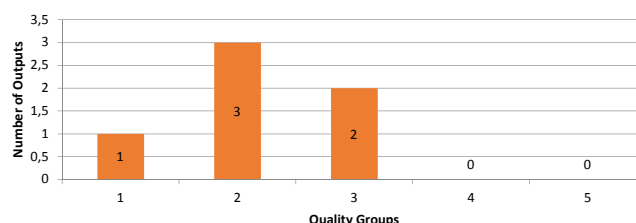
### Quality Groups of Outputs (Results of the Phase I.)

|         |   |   |   |   |   |
|---------|---|---|---|---|---|
| Quality | 1 | 2 | 3 | 4 | 5 |
| Outputs | 1 | 3 | 2 | 0 | 0 |

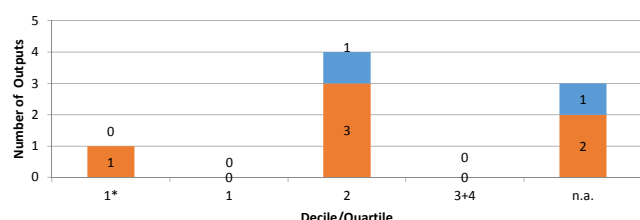
#### Quality Groups:

- (1): Quality that is **world-leading** in terms of originality, significance and rigour.  
 (2): Quality that is **internationally excellent** in terms of originality, significance and rigour but which falls short of the highest standards of excellence.  
 (3): Quality that is **recognized internationally** in terms of originality, significance and rigour.  
 (4): Quality that is **recognized nationally** in terms of originality, significance and rigour.  
 (5): Quality that falls **below the standard** of nationally recognized work. Or work which does not meet the published definition of research for the purposes of this assessment.

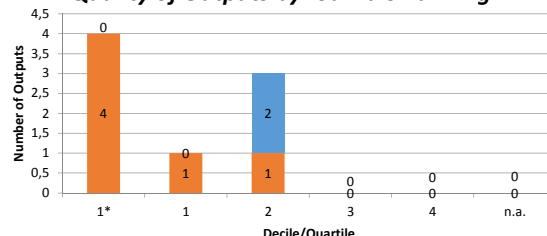
### Quality Profile



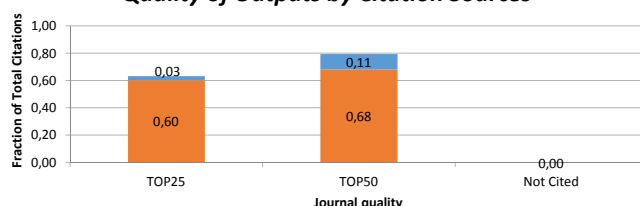
### Quality of Outputs by Number of Citations



### Quality of Outputs by Journals Ranking



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

| Field Structure of Outputs           | Outputs |
|--------------------------------------|---------|
| PLANT SCIENCES                       | 5       |
| BIOTECHNOLOGY & APPLIED MICROBIOLOGY | 2       |
| ENGINEERING, CHEMICAL                | 1       |

**Total number of outputs:** selected types of outputs published in 2010-2014 and registered in the institutional research information system: journal article, monograph, monograph chapter, proceedings paper, patent, utility model, industrial design, prototype, functional specimen, norms and directives, specialized map, realized certified methodology, software, pilot plant, verified technology, plant breed/variety.

**Evaluated outputs:** outputs submitted by the team and evaluated in the Phase I (value in the brackets shows number of outputs submitted by the team but not evaluated in the Phase I).

**Outputs for bibliometry:** publications in 2010-2014 with less than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Large collaborations outputs:** publications in 2010-2014 with more than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Quality Profile:** number of evaluated outputs vs quality groups (5 groups); 'world-leading' quality denotes an absolute standard of quality in each field and subfield; 'world leading', 'internationally' and 'nationally' in this context refer to quality standards; they do not refer to the nature or geographical scope of particular subjects, nor to the focus of research nor its place of dissemination; for example, research which is focused on the subject specific to the Czech Republic might be of 'world leading' standard, on the contrary, work with an international focus might not be of 'world leading, internationally excellent or internationally recognized' standard.

**Quality of Outputs by Journals Ranking:** number of outputs in top decile (1\*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Quality of Outputs by Number of Citations:** number of outputs in the top decile (1\*) and in quartiles (1, 2, 3+4) of the list of outputs ordered by the number of citations; n. a. - the number of outputs in the field is low and/or the number of citations is not sufficient for relevant judgement; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Quality of Outputs by Citation Sources:** fraction of citations of all outputs in the top quartile (TOP25) or the top half (TOP50) of list of journals ordered by AIS; fraction of "not cited" outputs is added; orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Field Structure of Outputs:** number of outputs of the team in different fields; if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of Outputs by Journals Ranking) is taken; the table shows up to 30 fields.

# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2010–2014

## RESULTS OF THE PHASE I. AND BIBLIOMETRIC PARAMETERS

**Institute:** Institute of Microbiology of the CAS, v. v. i.

**Team:** 151 - Laboratory of Cellular and Molecular Immunology

**Head:** Bilej Martin

**Total number of outputs :** 67      **Evaluated outputs :** 18 (0)      **Outputs for bibliometry :** 59      **Large collaborations outputs:** 0

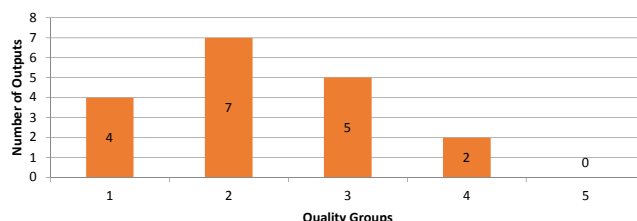
### Quality Groups of Outputs (Results of the Phase I.)

|         |   |   |   |   |   |
|---------|---|---|---|---|---|
| Quality | 1 | 2 | 3 | 4 | 5 |
| Outputs | 4 | 7 | 5 | 2 | 0 |

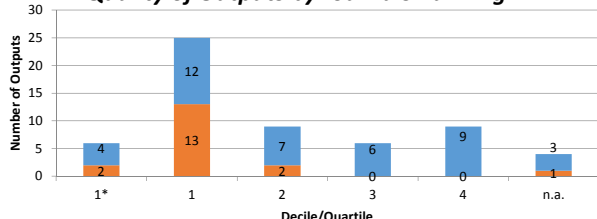
#### Quality Groups:

- (1): Quality that is **world-leading** in terms of originality, significance and rigour.  
 (2): Quality that is **internationally excellent** in terms of originality, significance and rigour but which falls short of the highest standards of excellence.  
 (3): Quality that is **recognized internationally** in terms of originality, significance and rigour.  
 (4): Quality that is **recognized nationally** in terms of originality, significance and rigour.  
 (5): Quality that falls **below the standard** of nationally recognized work. Or work which does not meet the published definition of research for the purposes of this assessment.

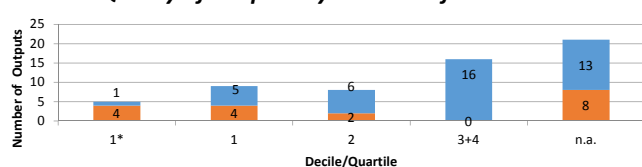
### Quality Profile



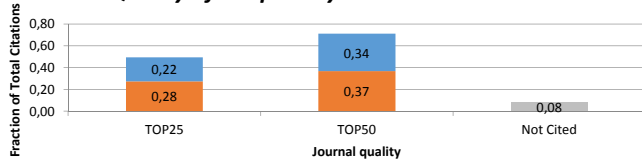
### Quality of Outputs by Journals Ranking



### Quality of Outputs by Number of Citations



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

| Field Structure of Outputs           | Outputs |
|--------------------------------------|---------|
| MULTIDISCIPLINARY SCIENCES           | 10      |
| IMMUNOLOGY                           | 7       |
| ENDOCRINOLOGY & METABOLISM           | 6       |
| GASTROENTEROLOGY & HEPATOLOGY        | 5       |
| BIOCHEMISTRY & MOLECULAR BIOLOGY     | 4       |
| BIOLOGY                              | 3       |
| BIOTECHNOLOGY & APPLIED MICROBIOLOGY | 3       |
| MEDICINE, RESEARCH & EXPERIMENTAL    | 2       |
| PATHOLOGY                            | 2       |
| MICROBIOLOGY                         | 2       |
| ONCOLOGY                             | 2       |
| ZOOLOGY                              | 2       |
| ALLERGY                              | 2       |
| HEMATOLOGY                           | 2       |
| AGRICULTURE, MULTIDISCIPLINARY       | 2       |
| PERIPHERAL VASCULAR DISEASE          | 1       |
| ENGINEERING, BIOMEDICAL              | 1       |
| ENVIRONMENTAL SCIENCES               | 1       |
| ORTHOPEDICS                          | 1       |
| GENETICS & HEREDITY                  | 1       |

**Total number of outputs:** selected types of outputs published in 2010-2014 and registered in the institutional research information system: journal article, monograph, monograph chapter, proceedings paper, patent, utility model, industrial design, prototype, functional specimen, norms and directives, specialized map, realized certified methodology, software, pilot plant, verified technology, plant breed/variety.

**Evaluated outputs:** outputs submitted by the team and evaluated in the Phase I (value in the brackets shows number of outputs submitted by the team but not evaluated in the Phase I).

**Outputs for bibliometry:** publications in 2010-2014 with less than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Large collaborations outputs:** publications in 2010-2014 with more than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Quality Profile:** number of evaluated outputs vs quality groups (5 groups); 'world-leading' quality denotes an absolute standard of quality in each field and subfield; 'world leading', 'internationally' and 'nationally' in this context refer to quality standards; they do not refer to the nature or geographical scope of particular subjects, nor to the focus of research nor its place of dissemination; for example, research which is focused on the subject specific to the Czech Republic might be of 'world leading' standard, on the contrary, work with an international focus might not be of 'world leading, internationally excellent or internationally recognized' standard.

**Quality of Outputs by Journals Ranking:** number of outputs in top decile (1\*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Quality of Outputs by Number of Citations:** number of outputs in the top decile (1\*) and in quartiles (1, 2, 3+4) of the list of outputs ordered by the number of citations; n. a. - the number of outputs in the field is low and/or the number of citations is not sufficient for relevant judgement; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Quality of Outputs by Citation Sources:** fraction of citations of all outputs in the top quartile (TOP25) or the top half (TOP50) of list of journals ordered by AIS; fraction of "not cited" outputs is added; orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Field Structure of Outputs:** number of outputs of the team in different fields; if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of Outputs by Journals Ranking) is taken; the table shows up to 30 fields.



# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2010–2014

## RESULTS OF THE PHASE I. AND BIBLIOMETRIC PARAMETERS

**Institute:** Institute of Microbiology of the CAS, v. v. i.

**Team:** 152 - Laboratory of Tumor Immunology

**Head:** Kovář Marek

**Total number of outputs :** 59      **Evaluated outputs :** 12 (0)      **Outputs for bibliometry :** 46      **Large collaborations outputs:** 0

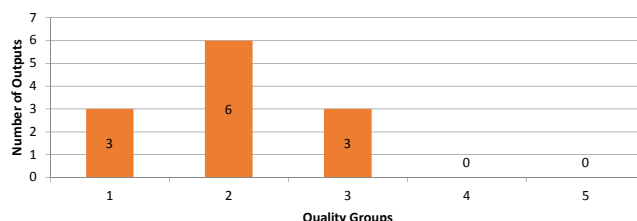
### Quality Groups of Outputs (Results of the Phase I.)

|         |   |   |   |   |   |
|---------|---|---|---|---|---|
| Quality | 1 | 2 | 3 | 4 | 5 |
| Outputs | 3 | 6 | 3 | 0 | 0 |

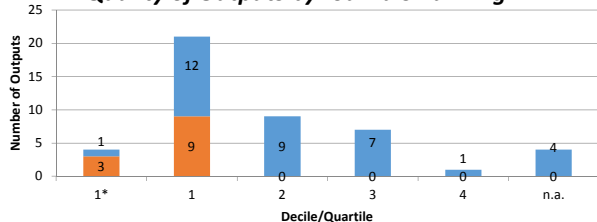
#### Quality Groups:

- (1): Quality that is **world-leading** in terms of originality, significance and rigour.  
 (2): Quality that is **internationally excellent** in terms of originality, significance and rigour but which falls short of the highest standards of excellence.  
 (3): Quality that is **recognized internationally** in terms of originality, significance and rigour.  
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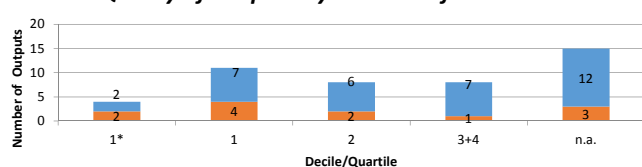
### Quality Profile



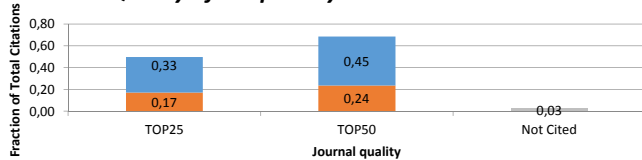
### Quality of Outputs by Journals Ranking



### Quality of Outputs by Number of Citations



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

| Field Structure of Outputs        | Outputs |
|-----------------------------------|---------|
| PHARMACOLOGY & PHARMACY           | 12      |
| POLYMER SCIENCE                   | 7       |
| IMMUNOLOGY                        | 5       |
| CHEMISTRY, ORGANIC                | 3       |
| BIOCHEMISTRY & MOLECULAR BIOLOGY  | 3       |
| ONCOLOGY                          | 3       |
| ENGINEERING, BIOMEDICAL           | 2       |
| GASTROENTEROLOGY & HEPATOLOGY     | 2       |
| BIOCHEMICAL RESEARCH METHODS      | 2       |
| ENVIRONMENTAL SCIENCES            | 1       |
| BIOLOGY                           | 1       |
| PERIPHERAL VASCULAR DISEASE       | 1       |
| MEDICINE, RESEARCH & EXPERIMENTAL | 1       |
| CHEMISTRY, MEDICINAL              | 1       |
| MULTIDISCIPLINARY SCIENCES        | 1       |
| CHEMISTRY, MULTIDISCIPLINARY      | 1       |

**Total number of outputs:** selected types of outputs published in 2010-2014 and registered in the institutional research information system: journal article, monograph, monograph chapter, proceedings paper, patent, utility model, industrial design, prototype, functional specimen, norms and directives, specialized map, realized certified methodology, software, pilot plant, verified technology, plant breed/variety.

**Evaluated outputs:** outputs submitted by the team and evaluated in the Phase I (value in the brackets shows number of outputs submitted by the team but not evaluated in the Phase I).

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**Large collaborations outputs:** publications in 2010-2014 with more than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2010–2014

## RESULTS OF THE PHASE I. AND BIBLIOMETRIC PARAMETERS

**Institute:** Institute of Microbiology of the CAS, v. v. i.

**Team:** 153 - Laboratory of Gnotobiology

**Head:** Kozáková Hana

**Total number of outputs :** 52      **Evaluated outputs :** 15 (0)      **Outputs for bibliometry :** 42      **Large collaborations outputs:** 0

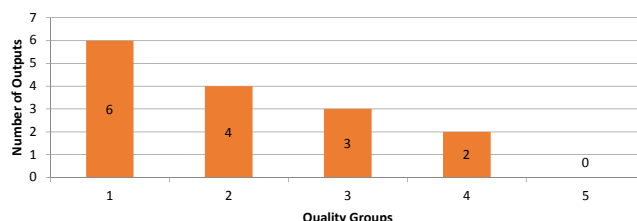
### Quality Groups of Outputs (Results of the Phase I.)

|         |   |   |   |   |   |
|---------|---|---|---|---|---|
| Quality | 1 | 2 | 3 | 4 | 5 |
| Outputs | 6 | 4 | 3 | 2 | 0 |

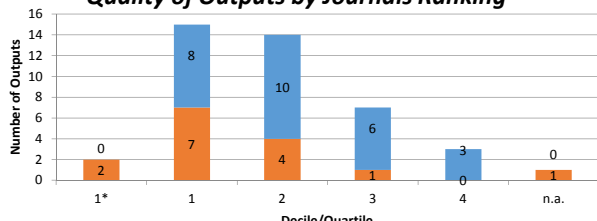
#### Quality Groups:

- (1): Quality that is **world-leading** in terms of originality, significance and rigour.  
 (2): Quality that is **internationally excellent** in terms of originality, significance and rigour but which falls short of the highest standards of excellence.  
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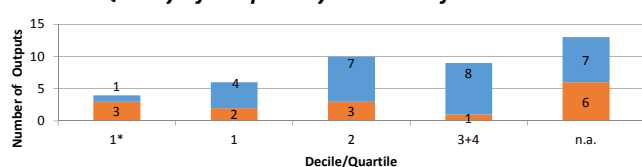
### Quality Profile



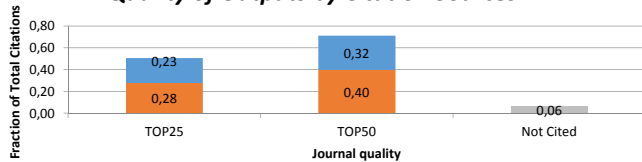
### Quality of Outputs by Journals Ranking



### Quality of Outputs by Number of Citations



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

| Field Structure of Outputs           | Outputs |
|--------------------------------------|---------|
| IMMUNOLOGY                           | 15      |
| BIOTECHNOLOGY & APPLIED MICROBIOLOGY | 4       |
| HEMATOLOGY                           | 2       |
| MULTIDISCIPLINARY SCIENCES           | 2       |
| BIOCHEMICAL RESEARCH METHODS         | 2       |
| VETERINARY SCIENCES                  | 2       |
| BIOLOGY                              | 2       |
| ZOOLOGY                              | 2       |
| GASTROENTEROLOGY & HEPATOLOGY        | 2       |
| MICROBIOLOGY                         | 2       |
| NUTRITION & DIETETICS                | 1       |
| ALLERGY                              | 1       |
| PERIPHERAL VASCULAR DISEASE          | 1       |
| ONCOLOGY                             | 1       |
| BIOCHEMISTRY & MOLECULAR BIOLOGY     | 1       |
| ORTHOPEDICS                          | 1       |
| PATHOLOGY                            | 1       |

**Total number of outputs:** selected types of outputs published in 2010-2014 and registered in the institutional research information system: journal article, monograph, monograph chapter, proceedings paper, patent, utility model, industrial design, prototype, functional specimen, norms and directives, specialized map, realized certified methodology, software, pilot plant, verified technology, plant breed/variety.

**Evaluated outputs:** outputs submitted by the team and evaluated in the Phase I (value in the brackets shows number of outputs submitted by the team but not evaluated in the Phase I).

**Outputs for bibliometry:** publications in 2010-2014 with less than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Large collaborations outputs:** publications in 2010-2014 with more than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Quality Profile:** number of evaluated outputs vs quality groups (5 groups); 'world-leading' quality denotes an absolute standard of quality in each field and subfield; 'world leading', 'internationally' and 'nationally' in this context refer to quality standards; they do not refer to the nature or geographical scope of particular subjects, nor to the focus of research nor its place of dissemination; for example, research which is focused on the subject specific to the Czech Republic might be of 'world leading' standard, on the contrary, work with an international focus might not be of 'world leading, internationally excellent or internationally recognized' standard.

**Quality of Outputs by Journals Ranking:** number of outputs in top decile (1\*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Quality of Outputs by Number of Citations:** number of outputs in the top decile (1\*) and in quartiles (1, 2, 3+4) of the list of outputs ordered by the number of citations; n. a. - the number of outputs in the field is low and/or the number of citations is not sufficient for relevant judgement; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Quality of Outputs by Citation Sources:** fraction of citations of all outputs in the top quartile (TOP25) or the top half (TOP50) of list of journals ordered by AIS; fraction of "not cited" outputs is added; orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Field Structure of Outputs:** number of outputs of the team in different fields; if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of Outputs by Journals Ranking) is taken; the table shows up to 30 fields.

# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2010–2014

## RESULTS OF THE PHASE I. AND BIBLIOMETRIC PARAMETERS

**Institute:** Institute of Microbiology of the CAS, v. v. i.

**Team:** 154 - Laboratory of Molecular Biology and Immunology

**Head:** Benson Veronika

**Total number of outputs :** 16

**Evaluated outputs :** 6 (0)

**Outputs for bibliometry :** 14

**Large collaborations outputs:** 0

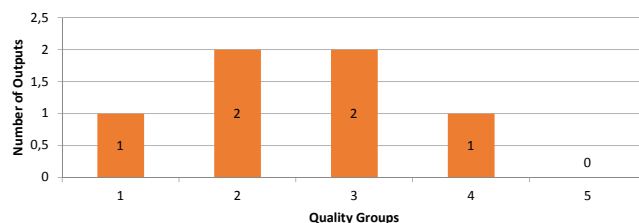
### Quality Groups of Outputs (Results of the Phase I.)

|         |   |   |   |   |   |
|---------|---|---|---|---|---|
| Quality | 1 | 2 | 3 | 4 | 5 |
| Outputs | 1 | 2 | 2 | 1 | 0 |

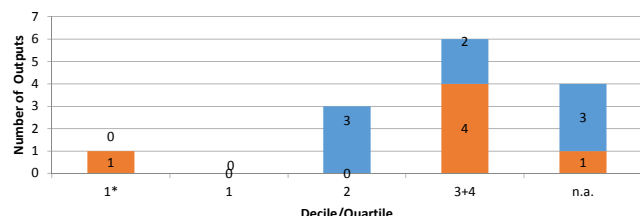
#### Quality Groups:

- (1): Quality that is **world-leading** in terms of originality, significance and rigour.  
 (2): Quality that is **internationally excellent** in terms of originality, significance and rigour but which falls short of the highest standards of excellence.  
 (3): Quality that is **recognized internationally** in terms of originality, significance and rigour.  
 (4): Quality that is **recognized nationally** in terms of originality, significance and rigour.  
 (5): Quality that falls **below the standard** of nationally recognized work. Or work which does not meet the published definition of research for the purposes of this assessment.

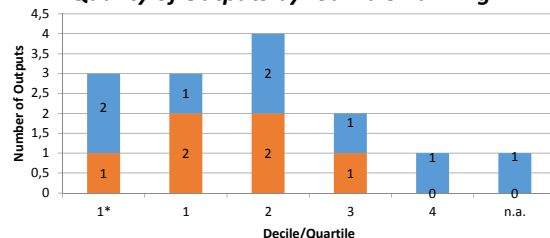
### Quality Profile



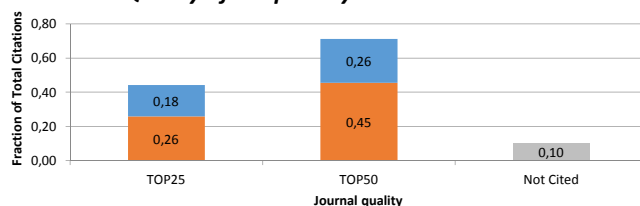
### Quality of Outputs by Number of Citations



### Quality of Outputs by Journals Ranking



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

| Field Structure of Outputs                    | Outputs |
|---|---------|
| IMMUNOLOGY                                    | 5       |
| CHEMISTRY, MULTIDISCIPLINARY                  | 3       |
| CHEMISTRY, APPLIED                            | 2       |
| BIOTECHNOLOGY & APPLIED MICROBIOLOGY          | 1       |
| RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING | 1       |
| BIOCHEMISTRY & MOLECULAR BIOLOGY              | 1       |
| CHEMISTRY, PHYSICAL                           | 1       |

**Total number of outputs:** selected types of outputs published in 2010-2014 and registered in the institutional research information system: journal article, monograph, monograph chapter, proceedings paper, patent, utility model, industrial design, prototype, functional specimen, norms and directives, specialized map, realized certified methodology, software, pilot plant, verified technology, plant breed/variety.

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**Large collaborations outputs:** publications in 2010-2014 with more than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Quality Profile:** number of evaluated outputs vs quality groups (5 groups); 'world-leading' quality denotes an absolute standard of quality in each field and subfield; 'world leading', 'internationally' and 'nationally' in this context refer to quality standards; they do not refer to the nature or geographical scope of particular subjects, nor to the focus of research nor its place of dissemination; for example, research which is focused on the subject specific to the Czech Republic might be of 'world leading' standard, on the contrary, work with an international focus might not be of 'world leading, internationally excellent or internationally recognized' standard.

**Quality of Outputs by Journals Ranking:** number of outputs in top decile (1\*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

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**Quality of Outputs by Citation Sources:** fraction of citations of all outputs in the top quartile (TOP25) or the top half (TOP50) of list of journals ordered by AIS; fraction of "not cited" outputs is added; orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Field Structure of Outputs:** number of outputs of the team in different fields; if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of Outputs by Journals Ranking) is taken; the table shows up to 30 fields.

# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2010–2014

## RESULTS OF THE PHASE I. AND BIBLIOMETRIC PARAMETERS

**Institute:** Institute of Microbiology of the CAS, v. v. i.

**Team:** 156 - Laboratory of Immunotherapy

**Head:** Vannucci Luca

**Total number of outputs :** 29

**Evaluated outputs :** 2 (0)

**Outputs for bibliometry :** 11

**Large collaborations outputs:** 0

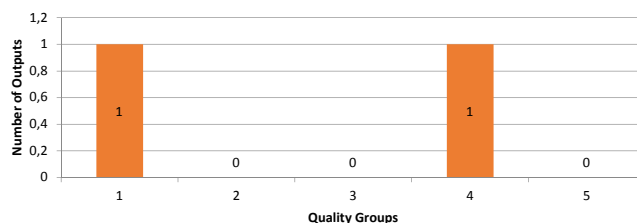
### Quality Groups of Outputs (Results of the Phase I.)

| Quality | 1 | 2 | 3 | 4 | 5 |
|---------|---|---|---|---|---|
| Outputs | 1 | 0 | 0 | 1 | 0 |

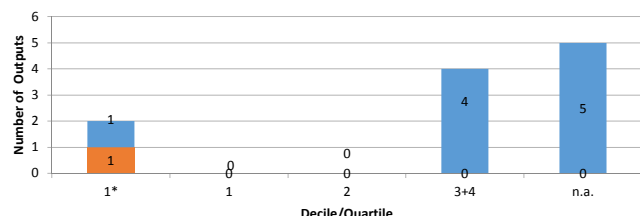
#### Quality Groups:

- (1): Quality that is **world-leading** in terms of originality, significance and rigour.  
 (2): Quality that is **internationally excellent** in terms of originality, significance and rigour but which falls short of the highest standards of excellence.  
 (3): Quality that is **recognized internationally** in terms of originality, significance and rigour.  
 (4): Quality that is **recognized nationally** in terms of originality, significance and rigour.  
 (5): Quality that falls **below the standard** of nationally recognized work. Or work which does not meet the published definition of research for the purposes of this assessment.

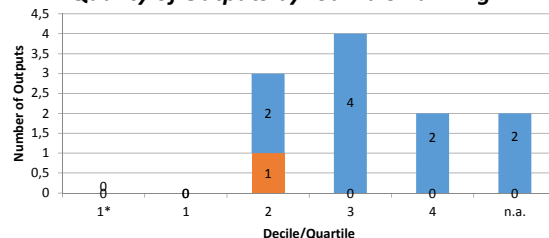
### Quality Profile



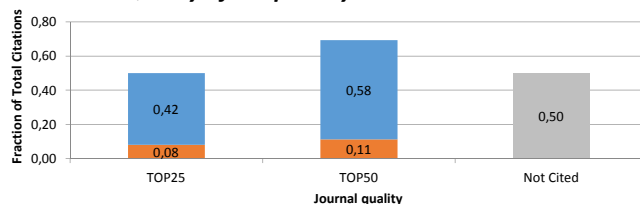
### Quality of Outputs by Number of Citations



### Quality of Outputs by Journals Ranking



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

| Field Structure of Outputs                       | Outputs |
|--|---------|
| ONCOLOGY   | 3       |
| IMMUNOLOGY                                       | 2       |
| BIOCHEMISTRY & MOLECULAR BIOLOGY                 | 2       |
| BIOTECHNOLOGY & APPLIED MICROBIOLOGY             | 1       |
| NANOSCIENCE & NANOTECHNOLOGY                     | 1       |
| CELL BIOLOGY                                     | 1       |
| COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS | 1       |

**Total number of outputs:** selected types of outputs published in 2010-2014 and registered in the institutional research information system: journal article, monograph, monograph chapter, proceedings paper, patent, utility model, industrial design, prototype, functional specimen, norms and directives, specialized map, realized certified methodology, software, pilot plant, verified technology, plant breed/variety.

**Evaluated outputs:** outputs submitted by the team and evaluated in the Phase I (value in the brackets shows number of outputs submitted by the team but not evaluated in the Phase I).

**Outputs for bibliometry:** publications in 2010-2014 with less than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Large collaborations outputs:** publications in 2010-2014 with more than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Quality Profile:** number of evaluated outputs vs quality groups (5 groups); 'world-leading' quality denotes an absolute standard of quality in each field and subfield; 'world leading', 'internationally' and 'nationally' in this context refer to quality standards; they do not refer to the nature or geographical scope of particular subjects, nor to the focus of research nor its place of dissemination; for example, research which is focused on the subject specific to the Czech Republic might be of 'world leading' standard, on the contrary, work with an international focus might not be of 'world leading, internationally excellent or internationally recognized' standard.

**Quality of Outputs by Journals Ranking:** number of outputs in top decile (1\*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2010–2014

## RESULTS OF THE PHASE I. AND BIBLIOMETRIC PARAMETERS

**Institute:** Institute of Microbiology of the CAS, v. v. i.

**Team:** 131 - Laboratory of Photosynthesis - Algatech Center

**Head:** Komenda Josef

**Total number of outputs :** 102      **Evaluated outputs :** 27 (0)      **Outputs for bibliometry :** 82      **Large collaborations outputs:** 0

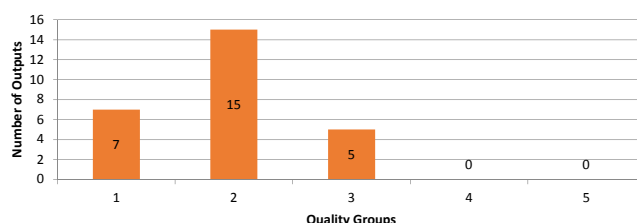
### Quality Groups of Outputs (Results of the Phase I.)

|         |   |    |   |   |   |
|---------|---|----|---|---|---|
| Quality | 1 | 2  | 3 | 4 | 5 |
| Outputs | 7 | 15 | 5 | 0 | 0 |

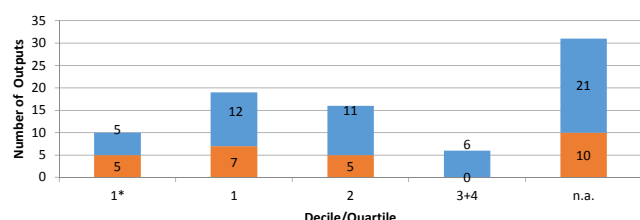
#### Quality Groups:

- (1): Quality that is **world-leading** in terms of originality, significance and rigour.  
 (2): Quality that is **internationally excellent** in terms of originality, significance and rigour but which falls short of the highest standards of excellence.  
 (3): Quality that is **recognized internationally** in terms of originality, significance and rigour.  
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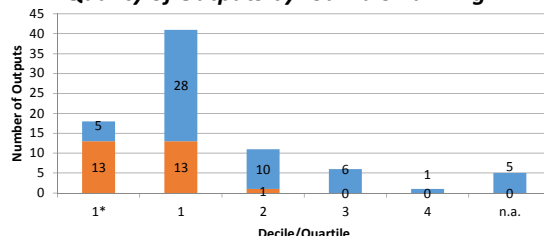
### Quality Profile



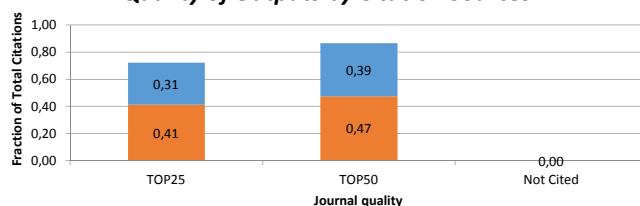
### Quality of Outputs by Number of Citations



### Quality of Outputs by Journals Ranking



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

| Field Structure of Outputs                       | Outputs |
|--|---------|
| PLANT SCIENCES                                   | 24      |
| BIOCHEMISTRY & MOLECULAR BIOLOGY                 | 23      |
| MICROBIOLOGY                                     | 10      |
| BIOTECHNOLOGY & APPLIED MICROBIOLOGY             | 6       |
| MULTIDISCIPLINARY SCIENCES                       | 6       |
| MARINE & FRESHWATER BIOLOGY                      | 5       |
| BIOLOGY  | 2       |
| ECOLOGY  | 1       |
| MATHEMATICS, APPLIED                             | 1       |
| COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS | 1       |
| CHEMISTRY, PHYSICAL                              | 1       |
| ENVIRONMENTAL SCIENCES                           | 1       |
| EVOLUTIONARY BIOLOGY                             | 1       |

**Total number of outputs:** selected types of outputs published in 2010-2014 and registered in the institutional research information system: journal article, monograph, monograph chapter, proceedings paper, patent, utility model, industrial design, prototype, functional specimen, norms and directives, specialized map, realized certified methodology, software, pilot plant, verified technology, plant breed/variety.

**Evaluated outputs:** outputs submitted by the team and evaluated in the Phase I (value in the brackets shows number of outputs submitted by the team but not evaluated in the Phase I).

**Outputs for bibliometry:** publications in 2010-2014 with less than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Large collaborations outputs:** publications in 2010-2014 with more than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Quality Profile:** number of evaluated outputs vs quality groups (5 groups); 'world-leading' quality denotes an absolute standard of quality in each field and subfield; 'world leading', 'internationally' and 'nationally' in this context refer to quality standards; they do not refer to the nature or geographical scope of particular subjects, nor to the focus of research nor its place of dissemination; for example, research which is focused on the subject specific to the Czech Republic might be of 'world leading' standard, on the contrary, work with an international focus might not be of 'world leading, internationally excellent or internationally recognized' standard.

**Quality of Outputs by Journals Ranking:** number of outputs in top decile (1\*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

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**Quality of Outputs by Citation Sources:** fraction of citations of all outputs in the top quartile (TOP25) or the top half (TOP50) of list of journals ordered by AIS; fraction of "not cited" outputs is added; orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Field Structure of Outputs:** number of outputs of the team in different fields; if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of Outputs by Journals Ranking) is taken; the table shows up to 30 fields.

# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2010–2014

## RESULTS OF THE PHASE I. AND BIBLIOMETRIC PARAMETERS

**Institute:** Institute of Microbiology of the CAS, v. v. i.

**Team:** 132 - Laboratory of Algal Biotechnology - Algotech Center

**Head:** Kopecký Jiří

**Total number of outputs :** 58      **Evaluated outputs :** 13 (0)      **Outputs for bibliometry :** 44      **Large collaborations outputs:** 0

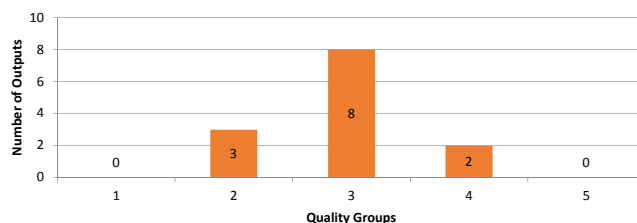
### Quality Groups of Outputs (Results of the Phase I.)

|         |   |   |   |   |   |
|---------|---|---|---|---|---|
| Quality | 1 | 2 | 3 | 4 | 5 |
| Outputs | 0 | 3 | 8 | 2 | 0 |

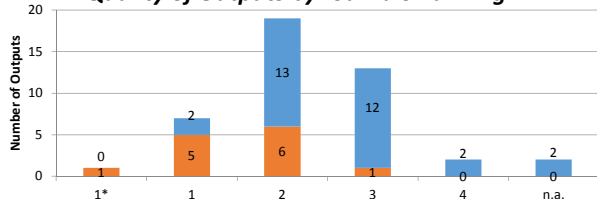
#### Quality Groups:

- (1): Quality that is **world-leading** in terms of originality, significance and rigour.  
 (2): Quality that is **internationally excellent** in terms of originality, significance and rigour but which falls short of the highest standards of excellence.  
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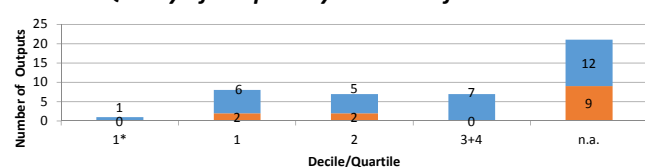
### Quality Profile



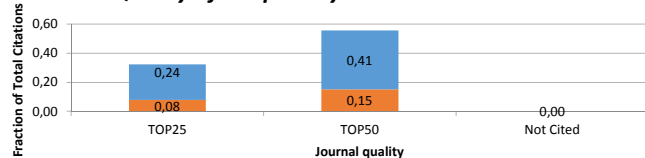
### Quality of Outputs by Journals Ranking



### Quality of Outputs by Number of Citations



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

| Field Structure of Outputs           | Outputs |
|--------------------------------------|---------|
| BIOTECHNOLOGY & APPLIED MICROBIOLOGY | 8       |
| PLANT SCIENCES                       | 6       |
| MARINE & FRESHWATER BIOLOGY          | 6       |
| FISHERIES                            | 4       |
| MULTIDISCIPLINARY SCIENCES           | 3       |
| CHEMISTRY, MEDICINAL                 | 3       |
| MICROBIOLOGY                         | 2       |
| CHEMISTRY, INORGANIC & NUCLEAR       | 2       |
| PHARMACOLOGY & PHARMACY              | 1       |
| ENVIRONMENTAL SCIENCES               | 1       |
| AGRICULTURE, DAIRY & ANIMAL SCIENCE  | 1       |
| ELECTROCHEMISTRY                     | 1       |
| BIOCHEMISTRY & MOLECULAR BIOLOGY     | 1       |
| ENGINEERING, CHEMICAL                | 1       |
| WATER RESOURCES                      | 1       |
| CHEMISTRY, ORGANIC                   | 1       |
| AGRICULTURAL ENGINEERING             | 1       |
| CHEMISTRY, ANALYTICAL                | 1       |

**Total number of outputs:** selected types of outputs published in 2010-2014 and registered in the institutional research information system: journal article, monograph, monograph chapter, proceedings paper, patent, utility model, industrial design, prototype, functional specimen, norms and directives, specialized map, realized certified methodology, software, pilot plant, verified technology, plant breed/variety.

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**Large collaborations outputs:** publications in 2010-2014 with more than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2010–2014

## RESULTS OF THE PHASE I. AND BIBLIOMETRIC PARAMETERS

**Institute:** Institute of Microbiology of the CAS, v. v. i.

**Team:** 134 - Laboratory of Cell Cycles - Algatech Center

**Head:** Bišová Kateřina

**Total number of outputs :** 32

**Evaluated outputs :** 9 (0)

**Outputs for bibliometry :** 25

**Large collaborations outputs:** 0

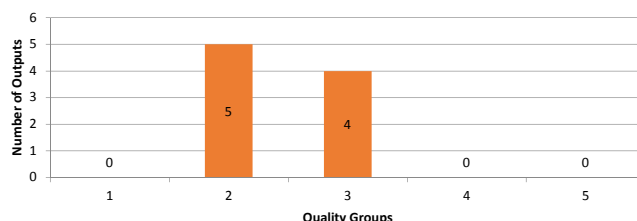
### Quality Groups of Outputs (Results of the Phase I.)

|         |   |   |   |   |   |
|---------|---|---|---|---|---|
| Quality | 1 | 2 | 3 | 4 | 5 |
| Outputs | 0 | 5 | 4 | 0 | 0 |

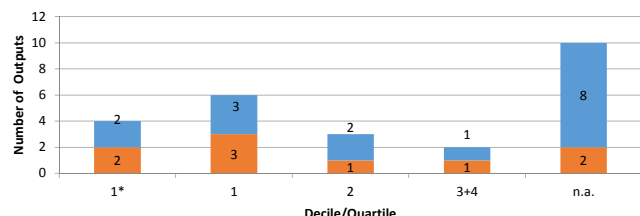
#### Quality Groups:

- (1): Quality that is **world-leading** in terms of originality, significance and rigour.  
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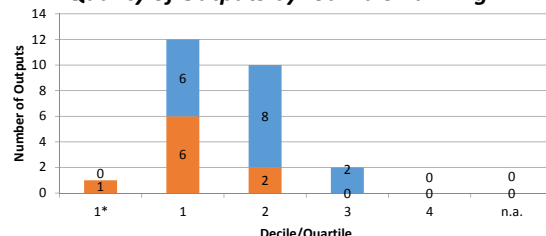
### Quality Profile



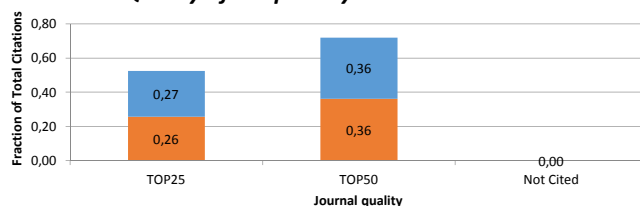
### Quality of Outputs by Number of Citations



### Quality of Outputs by Journals Ranking



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

| Field                                | Outputs |
|--------------------------------------|---------|
| BIOTECHNOLOGY & APPLIED MICROBIOLOGY | 7       |
| MARINE & FRESHWATER BIOLOGY          | 4       |
| PLANT SCIENCES                       | 3       |
| AGRICULTURAL ENGINEERING             | 3       |
| BIOPHYSICS                           | 2       |
| BIOLOGY                              | 1       |
| MICROBIOLOGY                         | 1       |
| AGRICULTURE, DAIRY & ANIMAL SCIENCE  | 1       |
| THERMODYNAMICS                       | 1       |
| ENGINEERING, ENVIRONMENTAL           | 1       |
| DEVELOPMENTAL BIOLOGY                | 1       |

**Total number of outputs:** selected types of outputs published in 2010-2014 and registered in the institutional research information system: journal article, monograph, monograph chapter, proceedings paper, patent, utility model, industrial design, prototype, functional specimen, norms and directives, specialized map, realized certified methodology, software, pilot plant, verified technology, plant breed/variety.

**Evaluated outputs:** outputs submitted by the team and evaluated in the Phase I (value in the brackets shows number of outputs submitted by the team but not evaluated in the Phase I).

**Outputs for bibliometry:** publications in 2010-2014 with less than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Large collaborations outputs:** publications in 2010-2014 with more than 30 authors registered in the Web of Science; document type: article, review or proceedings paper.

**Quality Profile:** number of evaluated outputs vs quality groups (5 groups); 'world-leading' quality denotes an absolute standard of quality in each field and subfield; 'world leading', 'internationally' and 'nationally' in this context refer to quality standards; they do not refer to the nature or geographical scope of particular subjects, nor to the focus of research nor its place of dissemination; for example, research which is focused on the subject specific to the Czech Republic might be of 'world leading' standard, on the contrary, work with an international focus might not be of 'world leading, internationally excellent or internationally recognized' standard.

**Quality of Outputs by Journals Ranking:** number of outputs in top decile (1\*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Quality of Outputs by Number of Citations:** number of outputs in the top decile (1\*) and in quartiles (1, 2, 3+4) of the list of outputs ordered by the number of citations; n. a. - the number of outputs in the field is low and/or the number of citations is not sufficient for relevant judgement; if the output is assigned to more than one field, the mean value of quartile is taken (values from 0,1 to 0,5 rounded down); orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Quality of Outputs by Citation Sources:** fraction of citations of all outputs in the top quartile (TOP25) or the top half (TOP50) of list of journals ordered by AIS; fraction of "not cited" outputs is added; orange: outputs submitted by the team to the Evaluation, blue: other outputs by the team.

**Field Structure of Outputs:** number of outputs of the team in different fields; if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of Outputs by Journals Ranking) is taken; the table shows up to 30 fields.