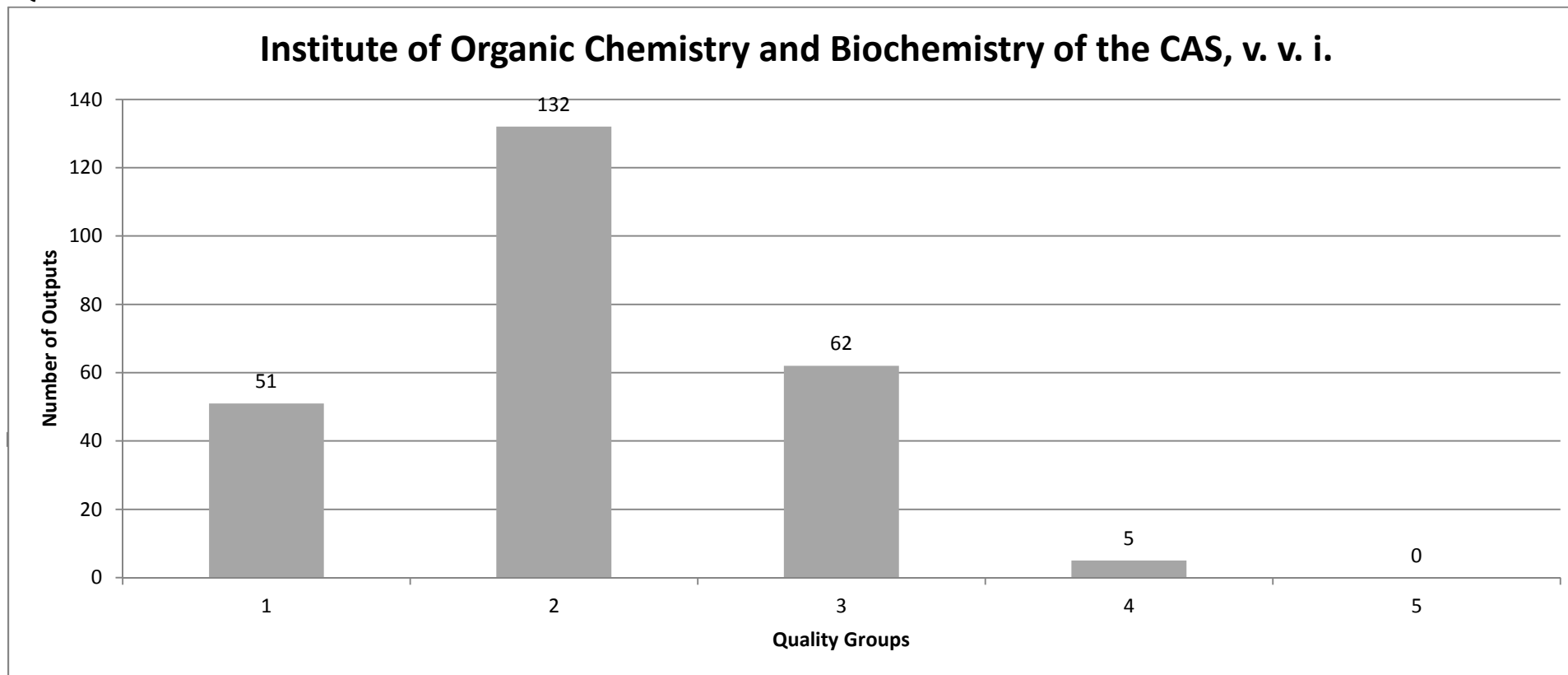


## QUALITY PROFILES - SUMMARY GRAPH



### 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.

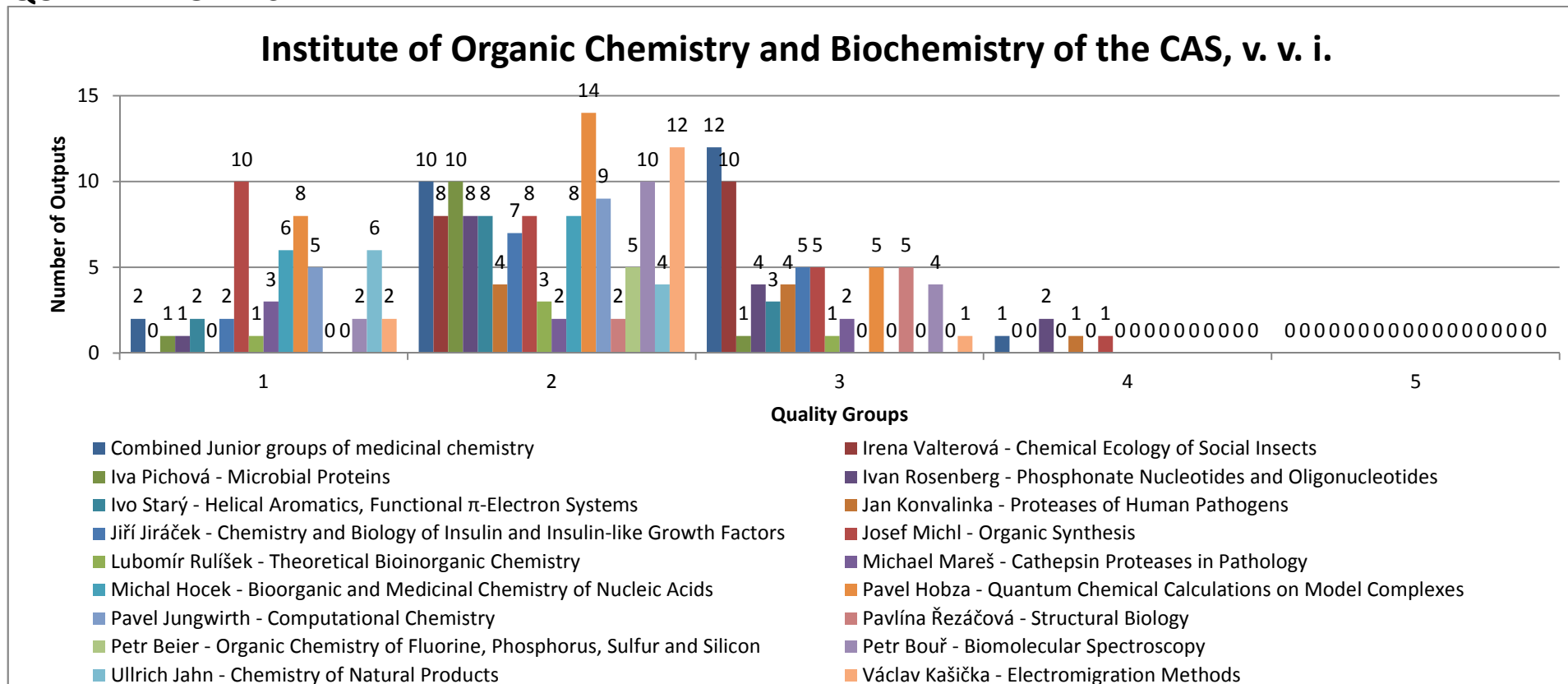
**(3):** Quality that is **recognized internationally** in terms of originality, significance and rigour.

**(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.

## 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.

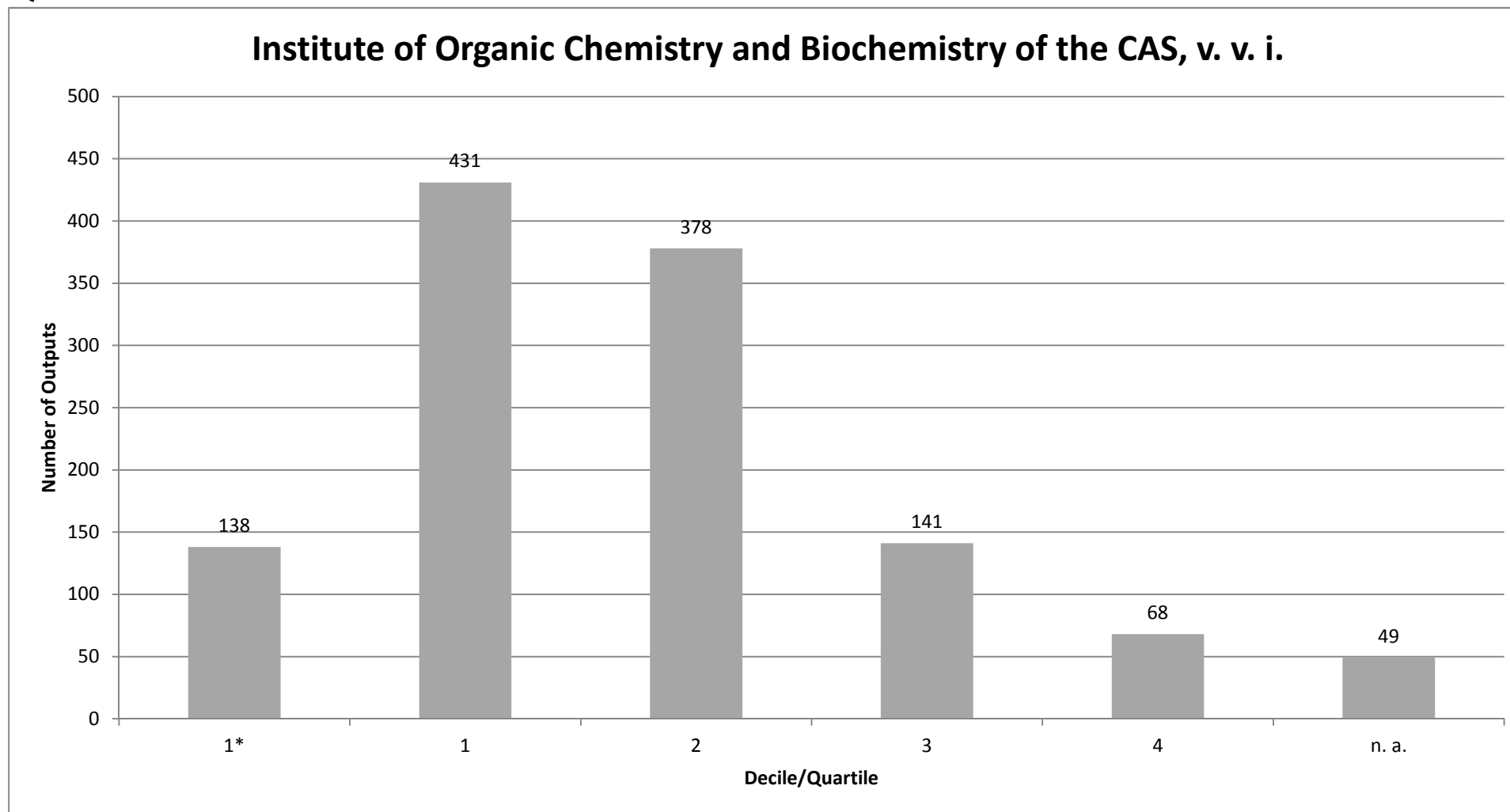
**(3):** Quality that is **recognized internationally** in terms of originality, significance and rigour.

**(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.

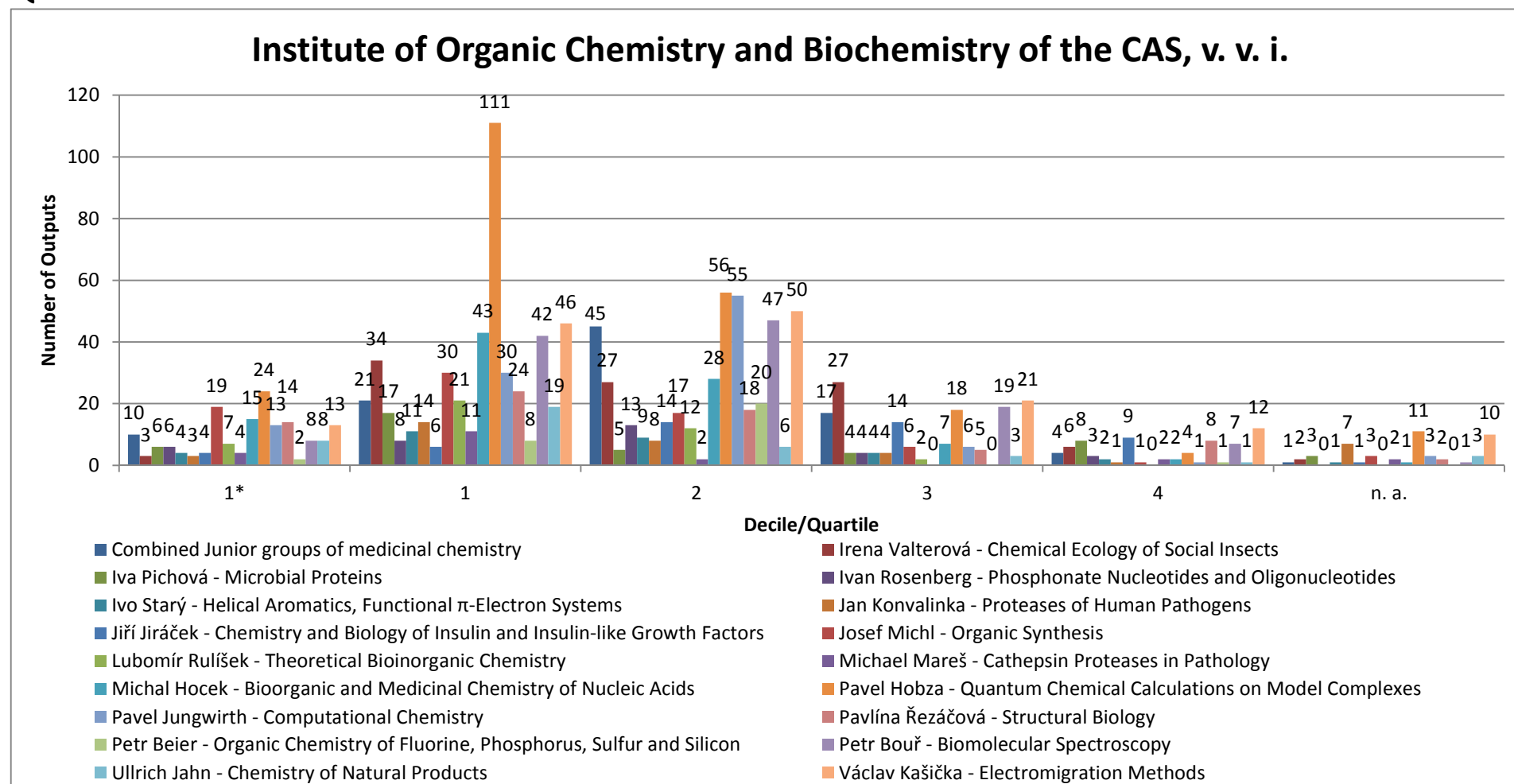
**QUALITY OF OUTPUTS BY JOURNALS - SUMMARY GRAPH**



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.

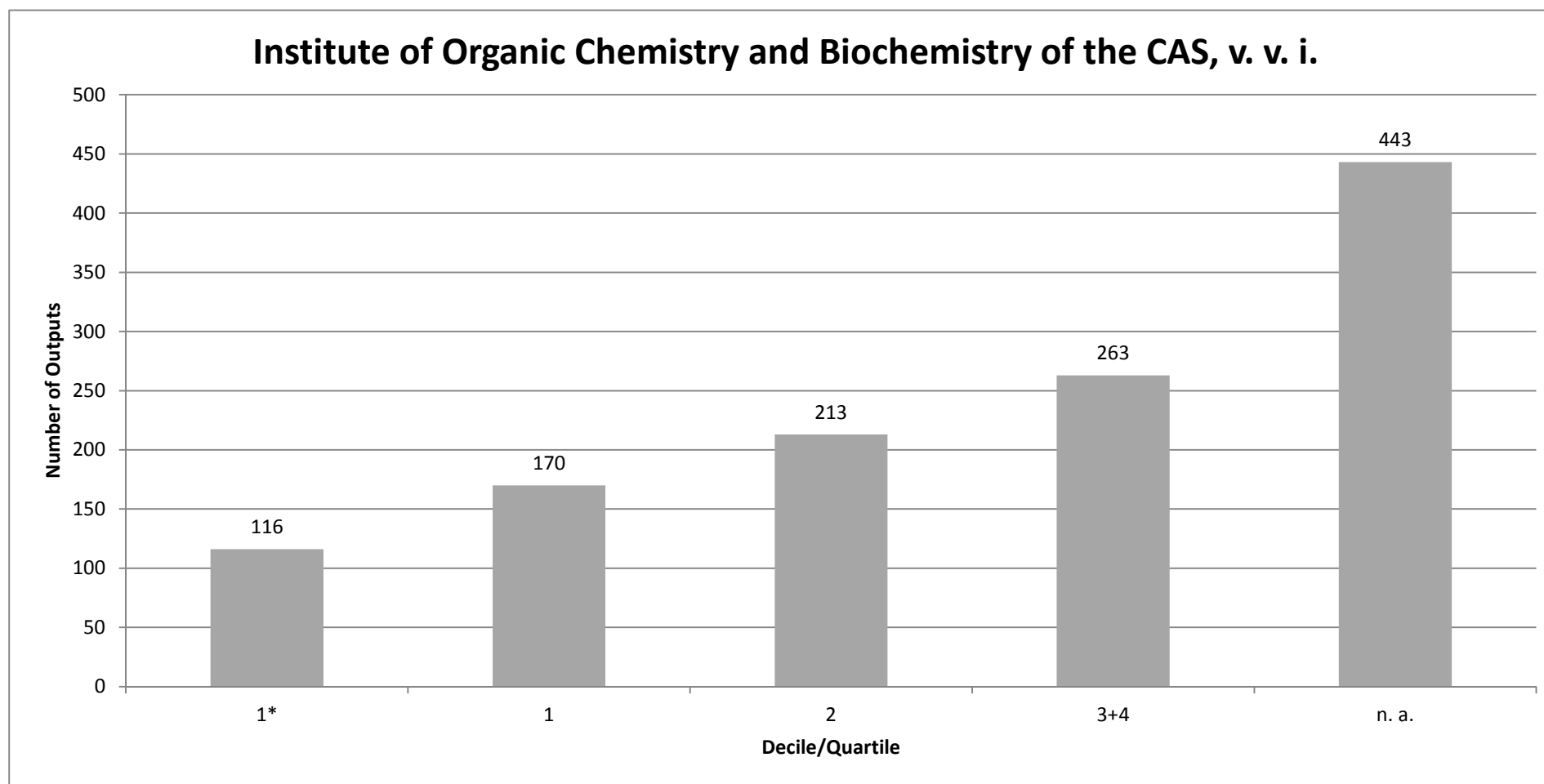
## QUALITY OF OUTPUTS BY JOURNALS



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.

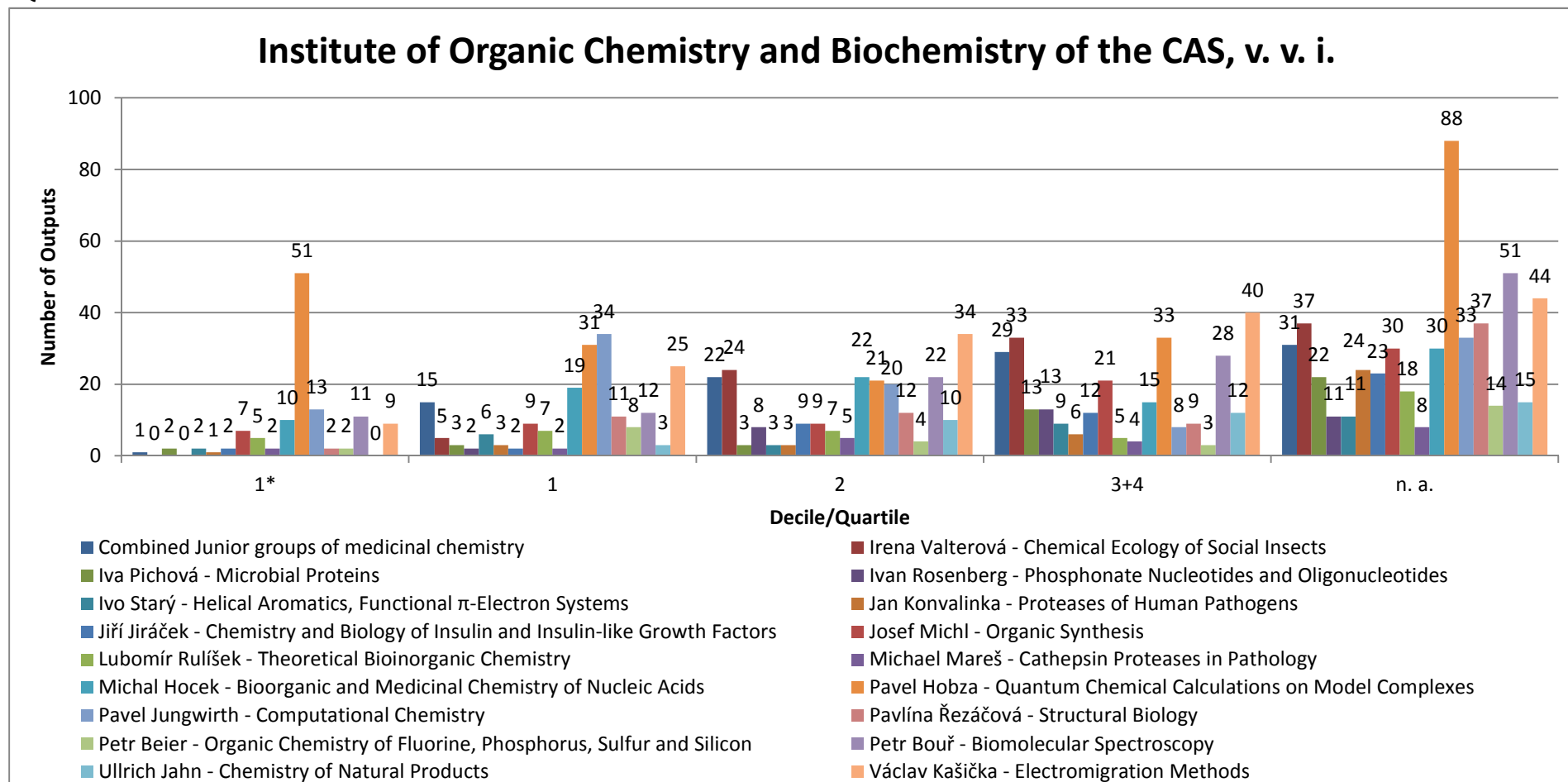
## QUALITY OF OUTPUTS BY INTENSITY OF CITATIONS - SUMMARY GRAPH



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.

## 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 Organic Chemistry and Biochemistry of the CAS, v. v. i.

**Team:** Václav Kašíčka - Electromigration Methods

**Head:** Václav Kašíčka

**Total number of outputs :** 198

**Evaluated outputs :** 15 (0)

**Outputs for bibliometry :** 152

**Large collaborations outputs:** 1

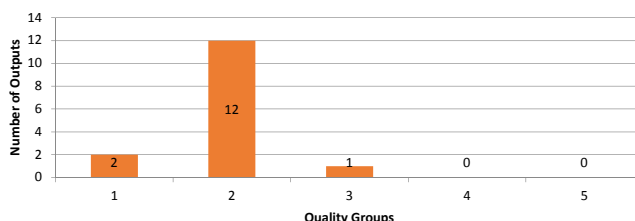
### Quality Groups of Outputs (Results of the Phase I.)

Quality	1	2	3	4	5
Outputs	2	12	1	0	0

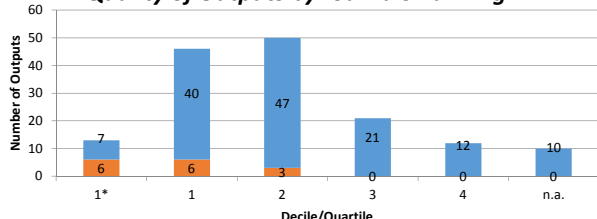
#### Quality Groups:

- (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.

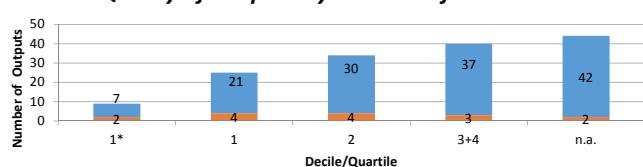
### Quality Profile



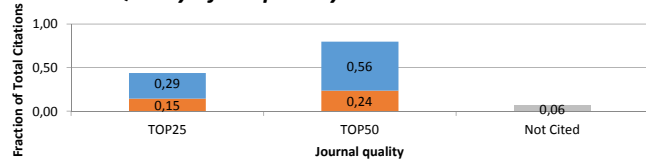
### Quality of Outputs by Journals Ranking



### Quality of Outputs by Number of Citations



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

Field Structure of Outputs	Outputs
CHEMISTRY, ANALYTICAL	30
CHEMISTRY, MULTIDISCIPLINARY	28
CHEMISTRY, PHYSICAL	22
BIOCHEMISTRY & MOLECULAR BIOLOGY	12
CHEMISTRY, INORGANIC & NUCLEAR	11
PHYSICS, ATOMIC, MOLECULAR & CHEMICAL	11
CHEMISTRY, ORGANIC	11
ELECTROCHEMISTRY	10
SPECTROSCOPY	5
ENGINEERING, CHEMICAL	3
WATER RESOURCES	2
CHEMISTRY, MEDICINAL	2
ENVIRONMENTAL SCIENCES	1
PHARMACOLOGY & PHARMACY	1
FOOD SCIENCE & TECHNOLOGY	1
ENTOMOLOGY	1
POLYMER SCIENCE	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 registered in the Web of Science; document type: article, review or proceedings paper; large collaborations outputs are also included.

**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 Organic Chemistry and Biochemistry of the CAS, v. v. i.  
**Team:** Jiří Jiráček - Chemistry and Biology of Insulin and Insulin-like Growth Factors  
**Head:** Jiří Jiráček  
**Total number of outputs :** 53      **Evaluated outputs :** 14 (0)      **Outputs for bibliometry :** 48      **Large collaborations outputs:** 0

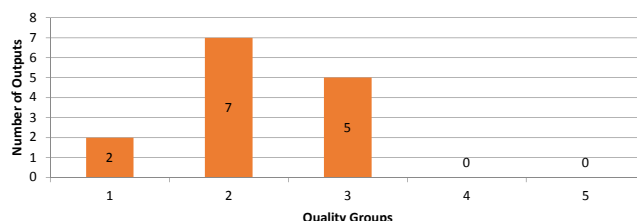
### Quality Groups of Outputs (Results of the Phase I.)

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

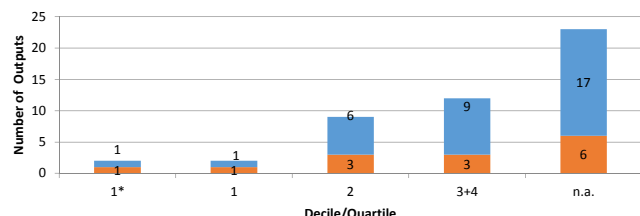
#### Quality Groups:

- (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.  
(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.

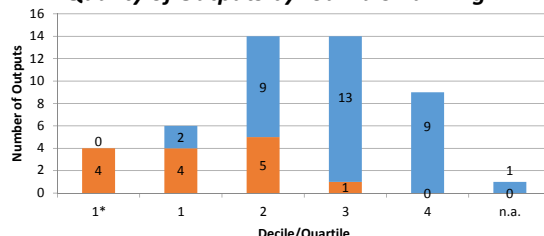
### Quality Profile



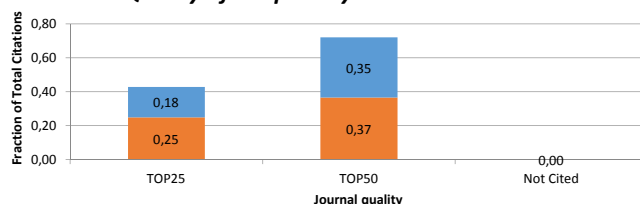
### Quality of Outputs by Number of Citations



### Quality of Outputs by Journals Ranking



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

Field Structure of Outputs	Outputs
BIOCHEMISTRY & MOLECULAR BIOLOGY	15
ENDOCRINOLOGY & METABOLISM	5
MULTIDISCIPLINARY SCIENCES	3
CHEMISTRY, ORGANIC	3
NEUROSCIENCES	3
PHYSIOLOGY	3
CHEMISTRY, MEDICINAL	3
CHEMISTRY, MULTIDISCIPLINARY	3
PHARMACOLOGY & PHARMACY	2
CHEMISTRY, ANALYTICAL	2
BIOCHEMICAL RESEARCH METHODS	2
CELL BIOLOGY	2
ONCOLOGY	1
NUTRITION & DIETETICS	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 Organic Chemistry and Biochemistry of the CAS, v. v. i.

**Team:** Jan Konvalinka - Proteases of Human Pathogens

**Head:** Jan Konvalinka

**Total number of outputs :** 44

**Evaluated outputs :** 9 (0)

**Outputs for bibliometry :** 37

**Large collaborations outputs:** 0

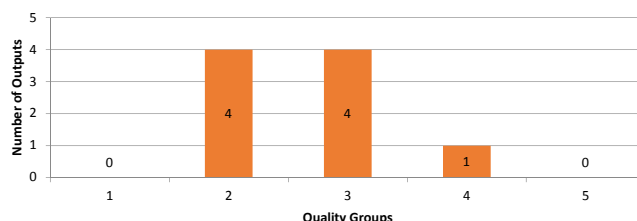
### Quality Groups of Outputs (Results of the Phase I.)

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

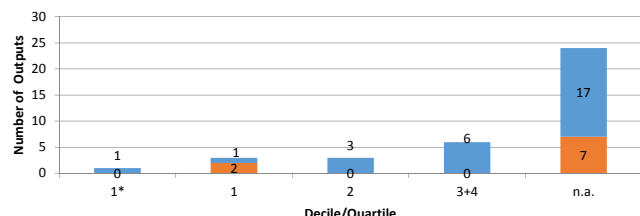
#### Quality Groups:

- (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.  
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 (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.

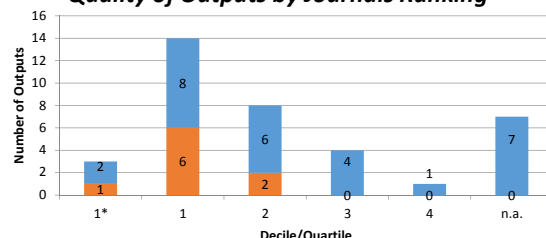
### Quality Profile



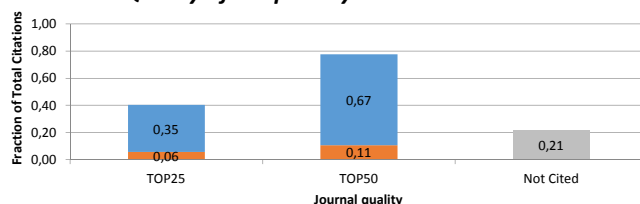
### Quality of Outputs by Number of Citations



### 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
CHEMISTRY, MULTIDISCIPLINARY	6
CHEMISTRY, PHYSICAL	3
CHEMISTRY, MEDICINAL	3
PHARMACOLOGY & PHARMACY	2
UROLOGY & NEPHROLOGY	2
VIROLOGY	2
BIOTECHNOLOGY & APPLIED MICROBIOLOGY	2
RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING	1
COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE	1
CHEMISTRY, INORGANIC & NUCLEAR	1
MICROBIOLOGY	1
BIOLOGY	1
CHEMISTRY, ORGANIC	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 Organic Chemistry and Biochemistry of the CAS, v. v. i.

**Team:** Pavlína Řezáčová - Structural Biology

**Head:** Pavlína Řezáčová

**Total number of outputs :** 82      **Evaluated outputs :** 7 (0)      **Outputs for bibliometry :** 71      **Large collaborations outputs:** 0

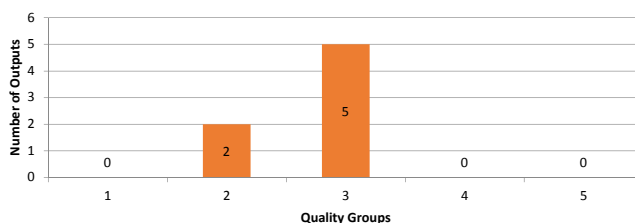
### Quality Groups of Outputs (Results of the Phase I.)

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

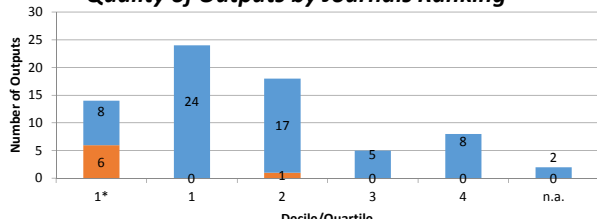
#### Quality Groups:

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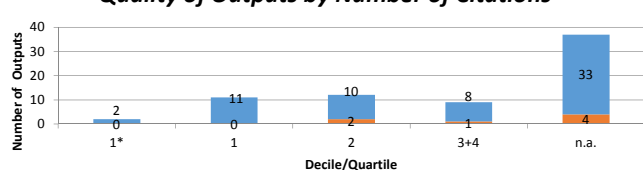
### Quality Profile



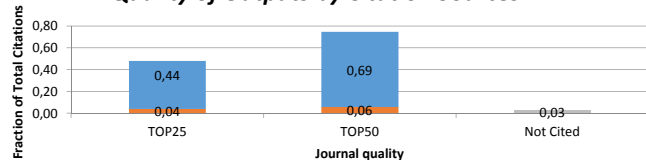
### Quality of Outputs by Journals Ranking



### Quality of Outputs by Number of Citations



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

Field Structure of Outputs	Outputs
CHEMISTRY, ORGANIC	20
BIOCHEMISTRY & MOLECULAR BIOLOGY	11
CHEMISTRY, MEDICINAL	8
CHEMISTRY, MULTIDISCIPLINARY	7
CRYSTALLOGRAPHY	5
BIOCHEMICAL RESEARCH METHODS	5
MULTIDISCIPLINARY SCIENCES	2
ONCOLOGY	2
BIOPHYSICS	2
VETERINARY SCIENCES	1
DENTISTRY, ORAL SURGERY & MEDICINE	1
HEMATOLOGY	1
CHEMISTRY, ANALYTICAL	1
OPHTHALMOLOGY	1
CHEMISTRY, PHYSICAL	1
VIROLOGY	1
MICROBIOLOGY	1
CHEMISTRY, INORGANIC & NUCLEAR	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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**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 Organic Chemistry and Biochemistry of the CAS, v. v. i.

**Team:** Michael Mareš - Cathepsin Proteases in Pathology

**Head:** Michael Mareš

**Total number of outputs :** 21      **Evaluated outputs :** 7 (0)      **Outputs for bibliometry :** 21      **Large collaborations outputs:** 0

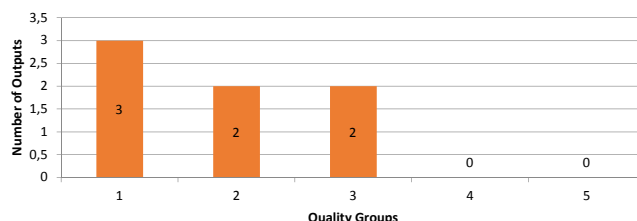
### Quality Groups of Outputs (Results of the Phase I.)

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

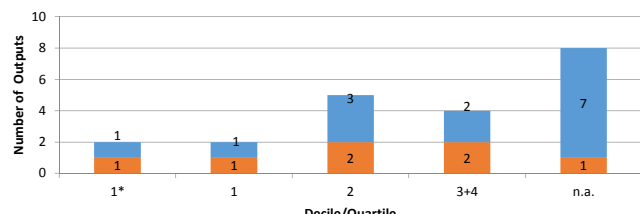
#### Quality Groups:

- (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.

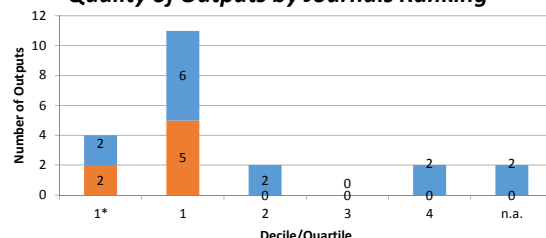
### Quality Profile



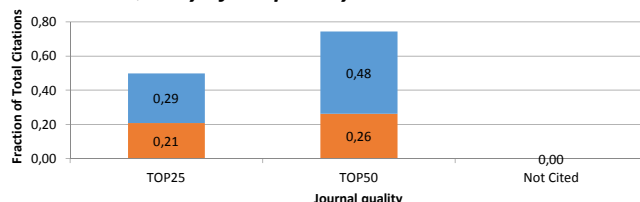
### Quality of Outputs by Number of Citations



### Quality of Outputs by Journals Ranking



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

Field Structure of Outputs	Outputs
BIOCHEMISTRY & MOLECULAR BIOLOGY	8
PARASITOLOGY	3
MULTIDISCIPLINARY SCIENCES	2
TROPICAL MEDICINE	2
CHEMISTRY, MEDICINAL	2
CHEMISTRY, PHYSICAL	1
HEMATOLOGY	1
CRYSTALLOGRAPHY	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 Organic Chemistry and Biochemistry of the CAS, v. v. i.

**Team:** Iva Pichová - Microbial Proteins

**Head:** Iva Pichová

**Total number of outputs :** 54      **Evaluated outputs :** 12 (0)      **Outputs for bibliometry :** 43      **Large collaborations outputs:** 0

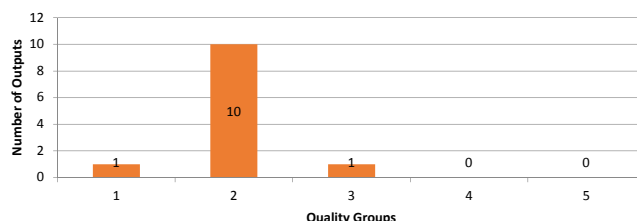
### Quality Groups of Outputs (Results of the Phase I.)

Quality	1	2	3	4	5
Outputs	1	10	1	0	0

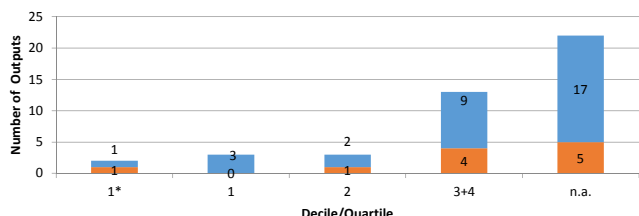
#### Quality Groups:

- (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.

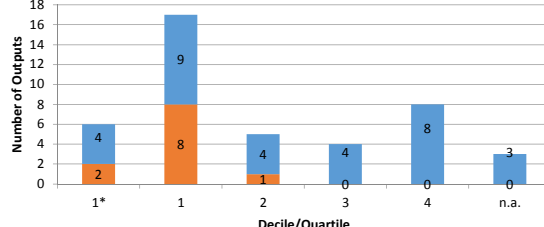
### Quality Profile



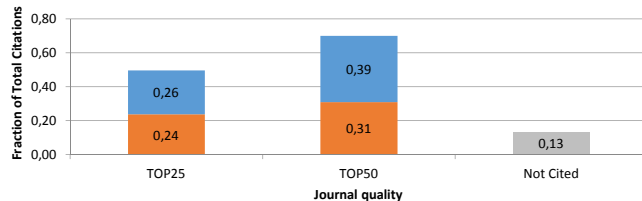
### Quality of Outputs by Number of Citations



### Quality of Outputs by Journals Ranking



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

Field Structure of Outputs	Outputs
BIOCHEMISTRY & MOLECULAR BIOLOGY	9
VIROLOGY	7
CHEMISTRY, MEDICINAL	6
MULTIDISCIPLINARY SCIENCES	4
BIOTECHNOLOGY & APPLIED MICROBIOLOGY	4
CHEMISTRY, ORGANIC	2
BIOCHEMICAL RESEARCH METHODS	2
ENTOMOLOGY	2
CHEMISTRY, MULTIDISCIPLINARY	2
PHARMACOLOGY & PHARMACY	1
METEOROLOGY & ATMOSPHERIC SCIENCES	1
IMMUNOLOGY	1
MICROBIOLOGY	1
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.

**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 Organic Chemistry and Biochemistry of the CAS, v. v. i.

**Team:** Pavel Hobza - Quantum Chemical Calculations on Model Complexes

**Head:** Pavel Hobza

**Total number of outputs :** 229      **Evaluated outputs :** 27 (0)      **Outputs for bibliometry :** 224      **Large collaborations outputs:** 0

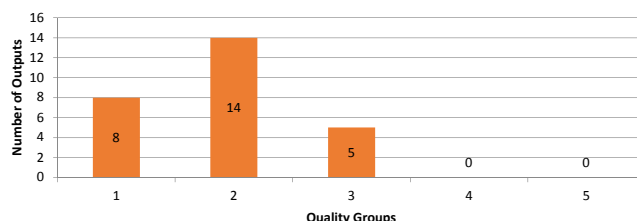
**Quality Groups of Outputs (Results of the Phase I.)**

Quality	1	2	3	4	5
Outputs	8	14	5	0	0

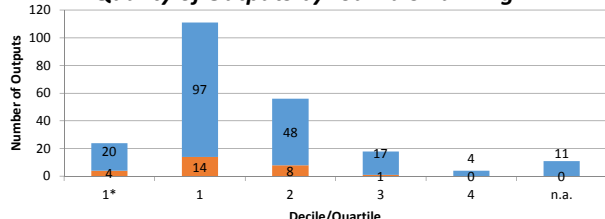
**Quality Groups:**

- (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.  
 (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.

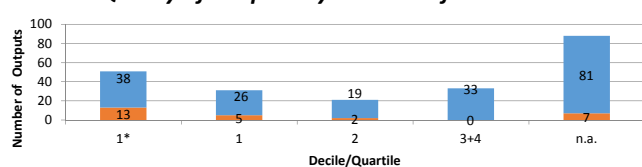
**Quality Profile**



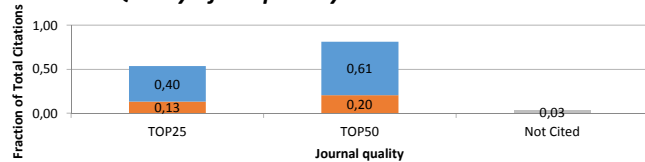
**Quality of Outputs by Journals Ranking**



**Quality of Outputs by Number of Citations**



**Quality of Outputs by Citation Sources**



**Field Structure of Outputs**

Field Structure of Outputs	Outputs
CHEMISTRY, PHYSICAL	88
PHYSICS, ATOMIC, MOLECULAR & CHEMICAL	37
CHEMISTRY, MULTIDISCIPLINARY	37
BIOCHEMISTRY & MOLECULAR BIOLOGY	19
CHEMISTRY, MEDICINAL	7
MATERIALS SCIENCE, MULTIDISCIPLINARY	3
COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS	3
CHEMISTRY, APPLIED	3
ASTRONOMY & ASTROPHYSICS	3
PHARMACOLOGY & PHARMACY	2
CHEMISTRY, INORGANIC & NUCLEAR	2
CELL & TISSUE ENGINEERING	2
BIOCHEMICAL RESEARCH METHODS	2
VIROLOGY	2
CHEMISTRY, ORGANIC	2
ENGINEERING, ENVIRONMENTAL	1
BIOPHYSICS	1
PHYSICS, MULTIDISCIPLINARY	1
BIOTECHNOLOGY & APPLIED MICROBIOLOGY	1
CRYSTALLOGRAPHY	1
MEDICINE, GENERAL & INTERNAL	1
PHYSICS, CONDENSED MATTER	1
MULTIDISCIPLINARY SCIENCES	1
TROPICAL MEDICINE	1
ONCOLOGY	1
COMPUTER SCIENCE, INFORMATION SYSTEMS	1
OPTICS	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 Organic Chemistry and Biochemistry of the CAS, v. v. i.

**Team:** Pavel Jungwirth - Computational Chemistry

**Head:** Pavel Jungwirth

**Total number of outputs :** 118      **Evaluated outputs :** 14 (0)      **Outputs for bibliometry :** 108      **Large collaborations outputs:** 0

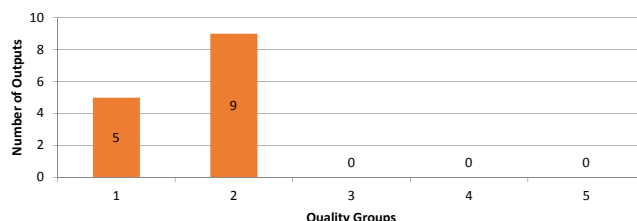
**Quality Groups of Outputs (Results of the Phase I.)**

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

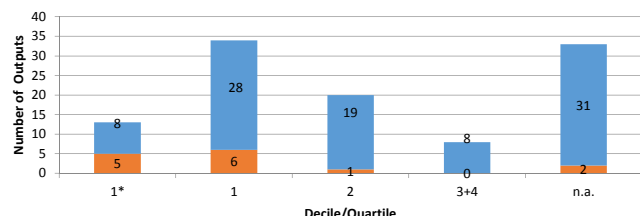
**Quality Groups:**

- (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.  
 (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.

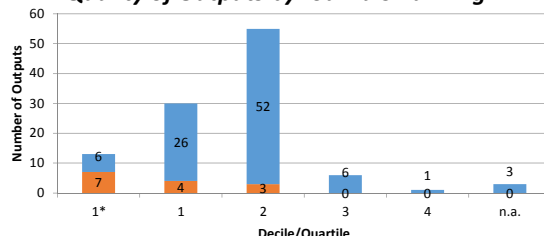
**Quality Profile**



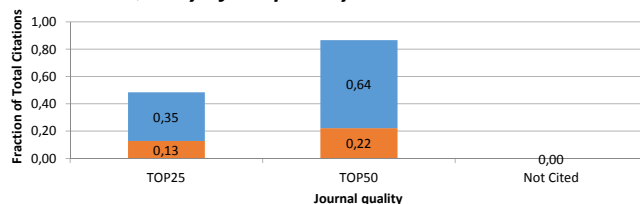
**Quality of Outputs by Number of Citations**



**Quality of Outputs by Journals Ranking**



**Quality of Outputs by Citation Sources**



**Field Structure of Outputs**

Field Structure of Outputs	Outputs
CHEMISTRY, PHYSICAL	67
CHEMISTRY, MULTIDISCIPLINARY	11
PHYSICS, ATOMIC, MOLECULAR & CHEMICAL	9
MATERIALS SCIENCE, MULTIDISCIPLINARY	8
BIOCHEMISTRY & MOLECULAR BIOLOGY	4
BIOPHYSICS	2
CHEMISTRY, ANALYTICAL	2
PHYSICS, MULTIDISCIPLINARY	2
SPECTROSCOPY	1
METEOROLOGY & ATMOSPHERIC SCIENCES	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.

**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 Organic Chemistry and Biochemistry of the CAS, v. v. i.

**Team:** Lubomír Rulišek - Theoretical Bioinorganic Chemistry

**Head:** Lubomír Rulišek

**Total number of outputs :** 43

**Evaluated outputs :** 5 (0)

**Outputs for bibliometry :** 42

**Large collaborations outputs:** 0

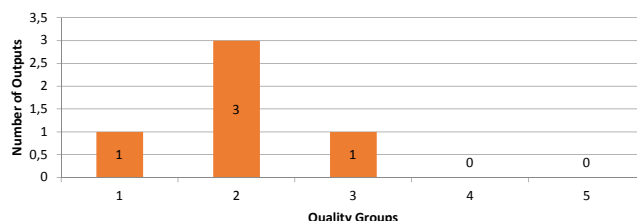
**Quality Groups of Outputs (Results of the Phase I.)**

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

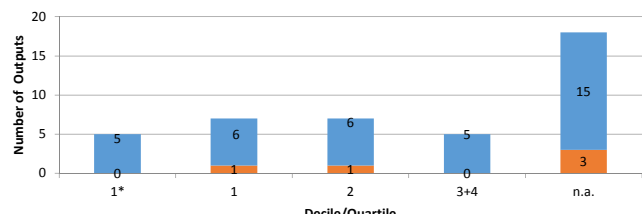
**Quality Groups:**

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

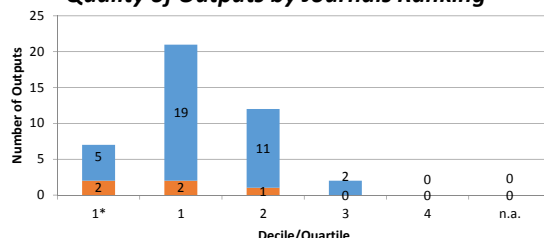
**Quality Profile**



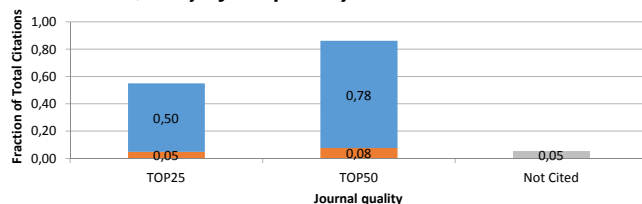
**Quality of Outputs by Number of Citations**



**Quality of Outputs by Journals Ranking**



**Quality of Outputs by Citation Sources**



**Field Structure of Outputs**

Field Structure of Outputs	Outputs
CHEMISTRY, PHYSICAL	13
CHEMISTRY, MULTIDISCIPLINARY	13
CHEMISTRY, INORGANIC & NUCLEAR	6
CHEMISTRY, ORGANIC	3
PHYSICS, ATOMIC, MOLECULAR & CHEMICAL	2
BIOCHEMISTRY & MOLECULAR BIOLOGY	2
PHYSICS, CONDENSED MATTER	1
CHEMISTRY, MEDICINAL	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.

**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.

**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 Organic Chemistry and Biochemistry of the CAS, v. v. i.

**Team:** Combined Junior groups of medicinal chemistry

**Head:** Zlatko Janeba, Marcela Krečmerová, Radim Nencka

**Total number of outputs :** 140      **Evaluated outputs :** 25 (0)      **Outputs for bibliometry :** 98      **Large collaborations outputs:** 0

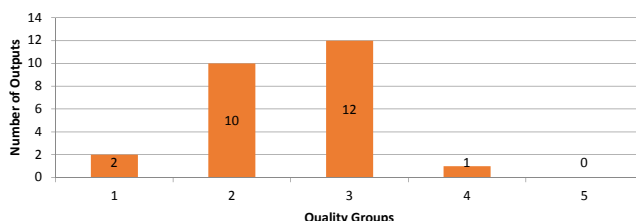
### Quality Groups of Outputs (Results of the Phase I.)

Quality	1	2	3	4	5
Outputs	2	10	12	1	0

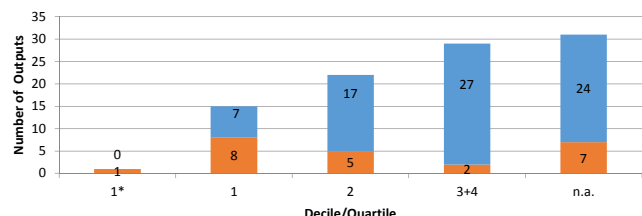
#### Quality Groups:

- (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.

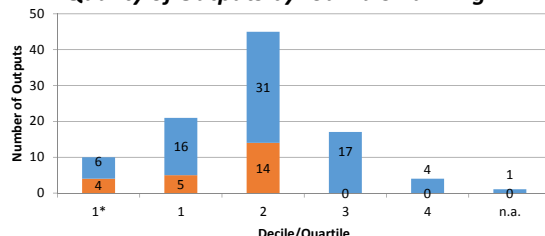
### Quality Profile



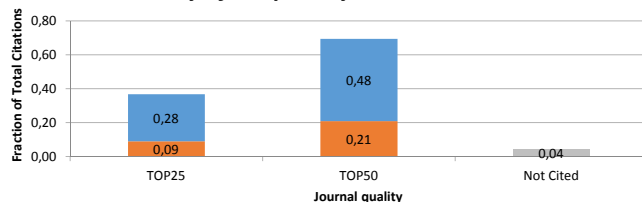
### Quality of Outputs by Number of Citations



### Quality of Outputs by Journals Ranking



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

Field Structure of Outputs	Outputs
CHEMISTRY, MULTIDISCIPLINARY	29
CHEMISTRY, ORGANIC	26
CHEMISTRY, MEDICINAL	22
BIOCHEMISTRY & MOLECULAR BIOLOGY	7
PHARMACOLOGY & PHARMACY	3
CRYSTALLOGRAPHY	2
CHEMISTRY, ANALYTICAL	2
VIROLOGY	2
TOXICOLOGY	1
CHEMISTRY, INORGANIC & NUCLEAR	1
ONCOLOGY	1
ENDOCRINOLOGY & METABOLISM	1
BIOTECHNOLOGY & APPLIED MICROBIOLOGY	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 Organic Chemistry and Biochemistry of the CAS, v. v. i.

**Team:** Josef Michl - Organic Synthesis

**Head:** Josef Michl

**Total number of outputs :** 84      **Evaluated outputs :** 24 (0)      **Outputs for bibliometry :** 76      **Large collaborations outputs:** 0

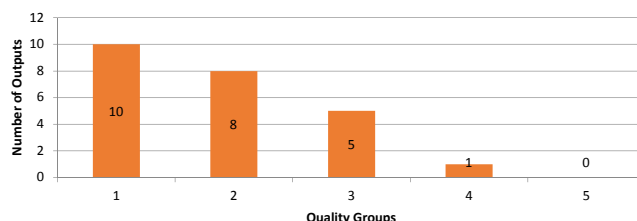
**Quality Groups of Outputs (Results of the Phase I.)**

Quality	1	2	3	4	5
Outputs	10	8	5	1	0

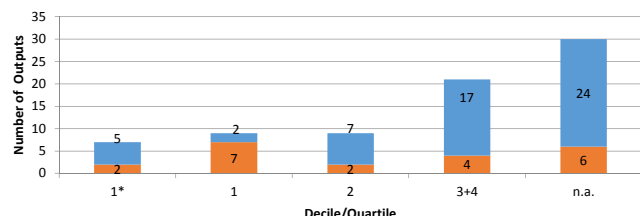
**Quality Groups:**

- (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.

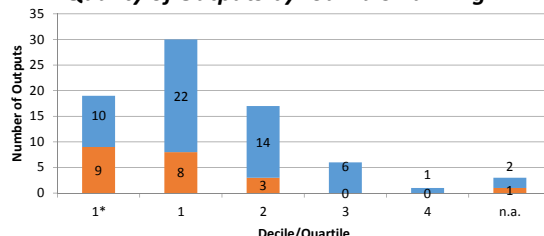
**Quality Profile**



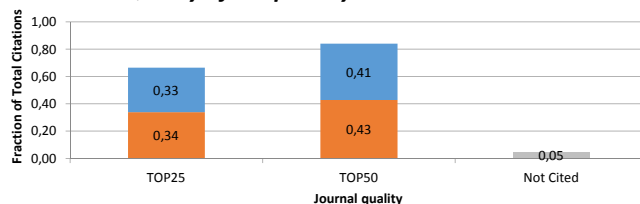
**Quality of Outputs by Number of Citations**



**Quality of Outputs by Journals Ranking**



**Quality of Outputs by Citation Sources**



**Field Structure of Outputs**

Field Structure of Outputs	Outputs
CHEMISTRY, MULTIDISCIPLINARY	29
CHEMISTRY, PHYSICAL	16
CHEMISTRY, INORGANIC & NUCLEAR	12
CHEMISTRY, ORGANIC	6
POLYMER SCIENCE	3
MATERIALS SCIENCE, MULTIDISCIPLINARY	3
ELECTROCHEMISTRY	2
CHEMISTRY, ANALYTICAL	2
BIOCHEMISTRY & MOLECULAR BIOLOGY	1
CRYSTALLOGRAPHY	1
CHEMISTRY, MEDICINAL	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 Organic Chemistry and Biochemistry of the CAS, v. v. i.

**Team:** Petr Beier - Organic Chemistry of Fluorine, Phosphorus, Sulfur and Silicon

**Head:** Petr Beier

**Total number of outputs :** 36

**Evaluated outputs :** 5 (0)

**Outputs for bibliometry :** 31

**Large collaborations outputs:** 0

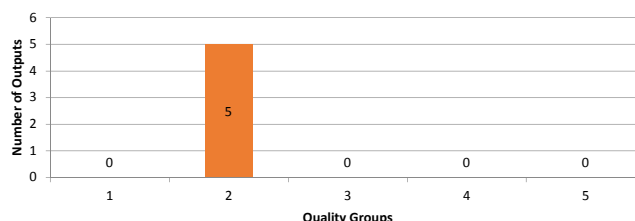
### Quality Groups of Outputs (Results of the Phase I.)

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

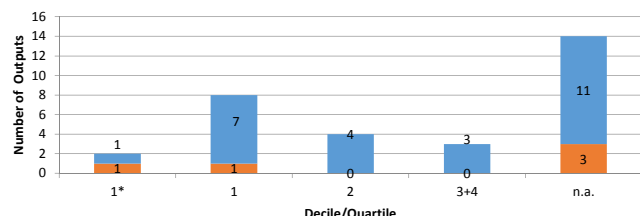
#### Quality Groups:

- (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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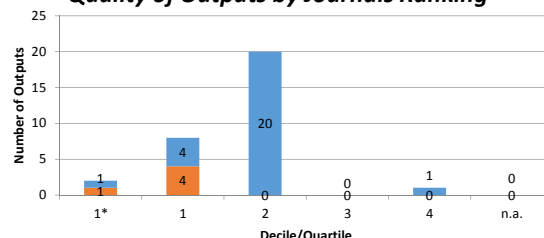
### Quality Profile



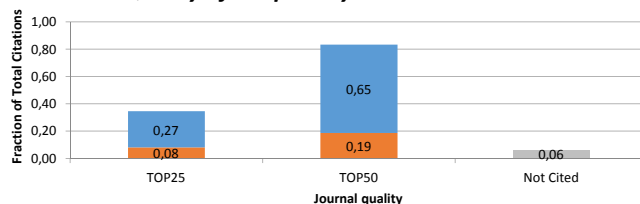
### Quality of Outputs by Number of Citations



### Quality of Outputs by Journals Ranking



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

Field Structure of Outputs	Outputs
CHEMISTRY, ORGANIC	14
PLANT SCIENCES	6
CHEMISTRY, INORGANIC & NUCLEAR	6
CHEMISTRY, MULTIDISCIPLINARY	3
ENGINEERING, CHEMICAL	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).

**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 Organic Chemistry and Biochemistry of the CAS, v. v. i.

**Team:** Ivo Starý - Helical Aromatics, Functional  $\pi$ -Electron Systems

**Head:** Ivo Starý

**Total number of outputs :** 35      **Evaluated outputs :** 13 (0)      **Outputs for bibliometry :** 31      **Large collaborations outputs:** 0

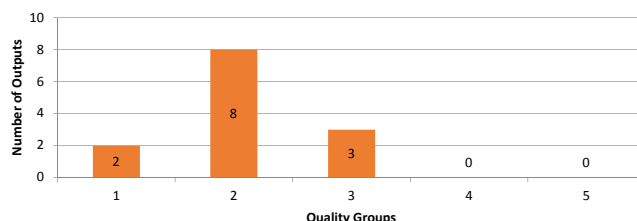
**Quality Groups of Outputs (Results of the Phase I.)**

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

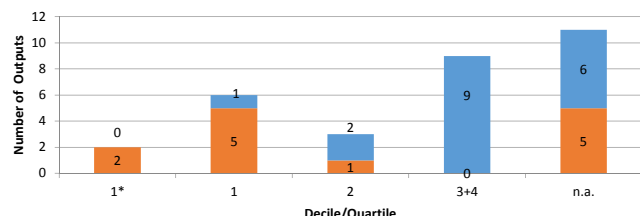
**Quality Groups:**

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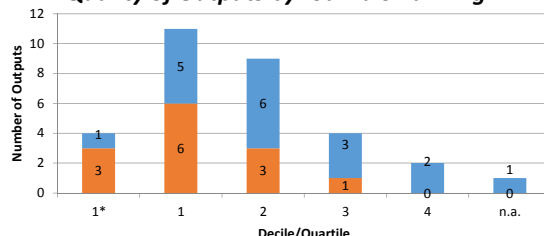
**Quality Profile**



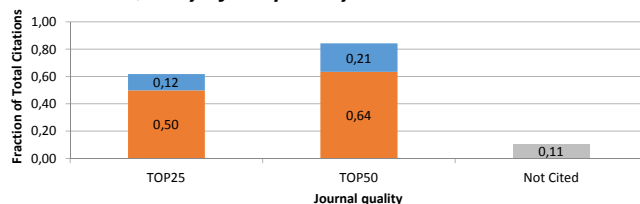
**Quality of Outputs by Number of Citations**



**Quality of Outputs by Journals Ranking**



**Quality of Outputs by Citation Sources**



**Field Structure of Outputs**

Field Structure of Outputs	Outputs
CHEMISTRY, MULTIDISCIPLINARY	14
CHEMISTRY, ORGANIC	6
BIOCHEMISTRY & MOLECULAR BIOLOGY	2
CHEMISTRY, PHYSICAL	2
PHYSICS, ATOMIC, MOLECULAR & CHEMICAL	1
CRYSTALLOGRAPHY	1
ENGINEERING, CHEMICAL	1
CHEMISTRY, ANALYTICAL	1
PHYSICS, CONDENSED MATTER	1
CHEMISTRY, INORGANIC & NUCLEAR	1
CHEMISTRY, MEDICINAL	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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**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 Organic Chemistry and Biochemistry of the CAS, v. v. i.

**Team:** Petr Bouř - Biomolecular Spectroscopy

**Head:** Petr Bouř

**Total number of outputs :** 138      **Evaluated outputs :** 16 (0)      **Outputs for bibliometry :** 124      **Large collaborations outputs:** 0

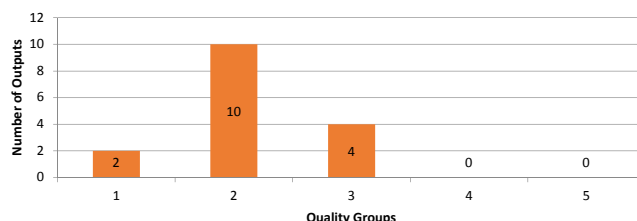
### Quality Groups of Outputs (Results of the Phase I.)

Quality	1	2	3	4	5
Outputs	2	10	4	0	0

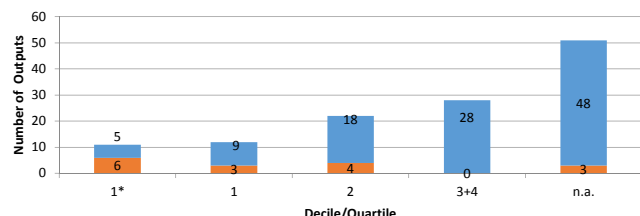
#### Quality Groups:

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

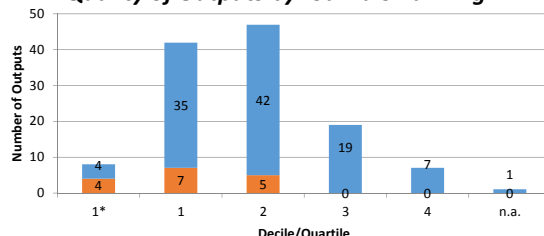
### Quality Profile



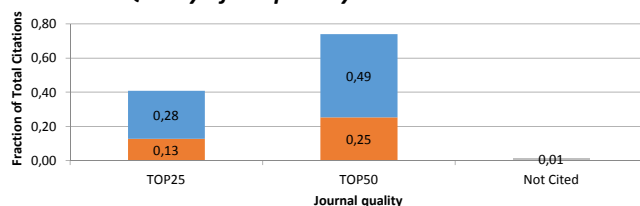
### Quality of Outputs by Number of Citations



### Quality of Outputs by Journals Ranking



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

Field Structure of Outputs	Outputs
CHEMISTRY, PHYSICAL	43
CHEMISTRY, MULTIDISCIPLINARY	29
PHYSICS, ATOMIC, MOLECULAR & CHEMICAL	14
CHEMISTRY, ANALYTICAL	13
BIOCHEMISTRY & MOLECULAR BIOLOGY	12
CHEMISTRY, ORGANIC	7
CHEMISTRY, INORGANIC & NUCLEAR	2
MATERIALS SCIENCE, MULTIDISCIPLINARY	2
SPECTROSCOPY	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.

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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.

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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 Organic Chemistry and Biochemistry of the CAS, v. v. i.

**Team:** Michal Hocek - Bioorganic and Medicinal Chemistry of Nucleic Acids

**Head:** Michal Hocek

**Total number of outputs :** 132      **Evaluated outputs :** 14 (0)      **Outputs for bibliometry :** 96      **Large collaborations outputs:** 0

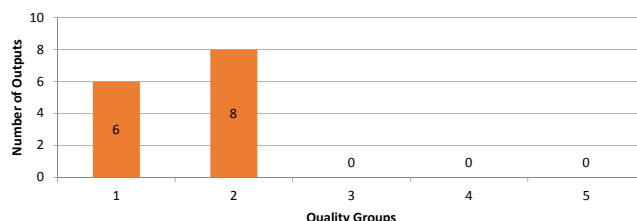
### Quality Groups of Outputs (Results of the Phase I.)

Quality	1	2	3	4	5
Outputs	6	8	0	0	0

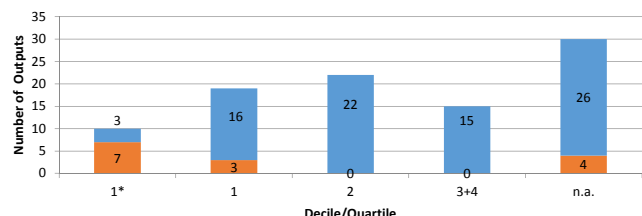
#### Quality Groups:

- (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.  
 (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.

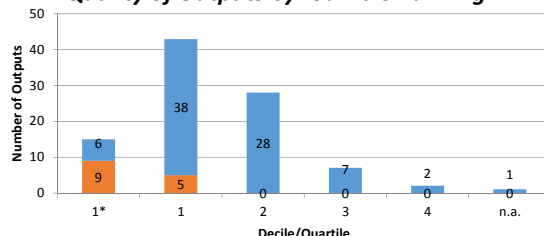
### Quality Profile



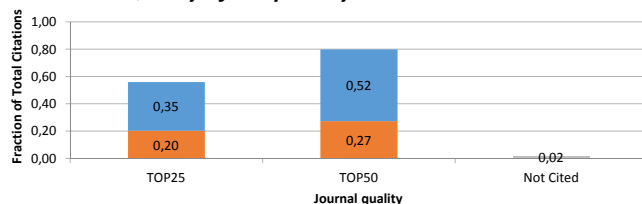
### Quality of Outputs by Number of Citations



### Quality of Outputs by Journals Ranking



### Quality of Outputs by Citation Sources



### Field Structure of Outputs

Field Structure of Outputs	Outputs
CHEMISTRY, ORGANIC	39
CHEMISTRY, MULTIDISCIPLINARY	23
CHEMISTRY, MEDICINAL	18
BIOCHEMISTRY & MOLECULAR BIOLOGY	4
CHEMISTRY, INORGANIC & NUCLEAR	3
BIOCHEMICAL RESEARCH METHODS	2
CHEMISTRY, PHYSICAL	2
ELECTROCHEMISTRY	2
CHEMISTRY, APPLIED	1
PHYSICS, ATOMIC, MOLECULAR & CHEMICAL	1
ECOLOGY	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 Organic Chemistry and Biochemistry of the CAS, v. v. i.

**Team:** Irena Valterová - Chemical Ecology of Social Insects

**Head:** Irena Valterová

**Total number of outputs :** 126

**Evaluated outputs :** 18 (0)

**Outputs for bibliometry :** 99

**Large collaborations outputs:** 0

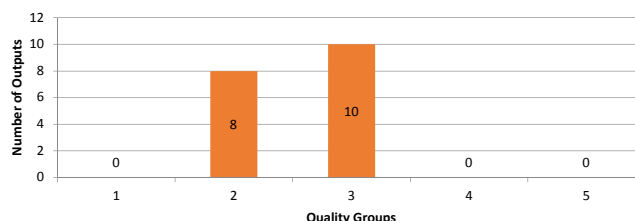
**Quality Groups of Outputs (Results of the Phase I.)**

Quality	1	2	3	4	5
Outputs	0	8	10	0	0

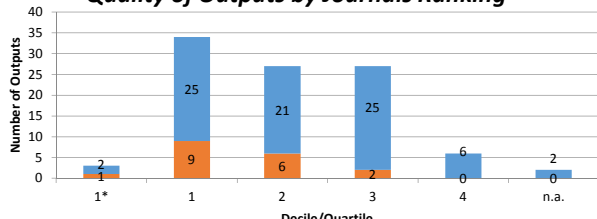
**Quality Groups:**

- (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.

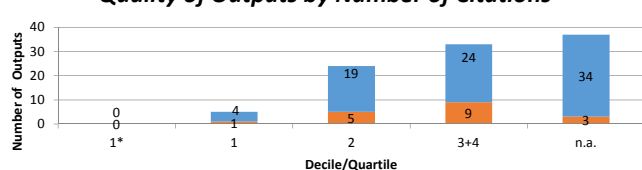
**Quality Profile**



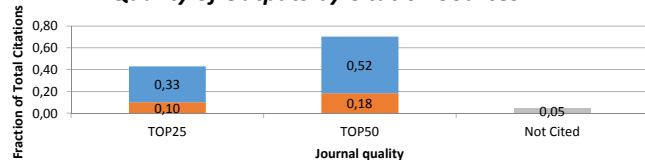
**Quality of Outputs by Journals Ranking**



**Quality of Outputs by Number of Citations**



**Quality of Outputs by Citation Sources**



**Field Structure of Outputs**

Field Structure of Outputs	Outputs
ENTOMOLOGY	22
MULTIDISCIPLINARY SCIENCES	12
BIOCHEMISTRY & MOLECULAR BIOLOGY	11
FOOD SCIENCE & TECHNOLOGY	10
CHEMISTRY, ANALYTICAL	7
CHEMISTRY, MULTIDISCIPLINARY	6
ECOLOGY	6
CHEMISTRY, ORGANIC	5
EVOLUTIONARY BIOLOGY	4
BIOLOGY	3
CHEMISTRY, MEDICINAL	3
ZOOLOGY	2
ENGINEERING, CHEMICAL	2
MICROBIOLOGY	1
AGRICULTURE, MULTIDISCIPLINARY	1
MYCOLOGY	1
CHEMISTRY, APPLIED	1
GEOSCIENCES, MULTIDISCIPLINARY	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.

**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 Organic Chemistry and Biochemistry of the CAS, v. v. i.

**Team:** Ivan Rosenberg - Phosphonate Nucleotides and Oligonucleotides

**Head:** Ivan Rosenberg

**Total number of outputs :** 64      **Evaluated outputs :** 15 (0)      **Outputs for bibliometry :** 34      **Large collaborations outputs:** 0

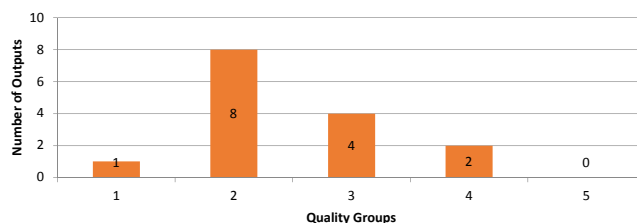
**Quality Groups of Outputs (Results of the Phase I.)**

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

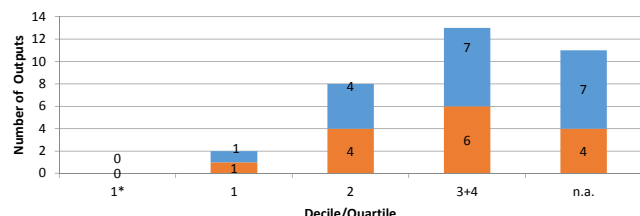
**Quality Groups:**

- (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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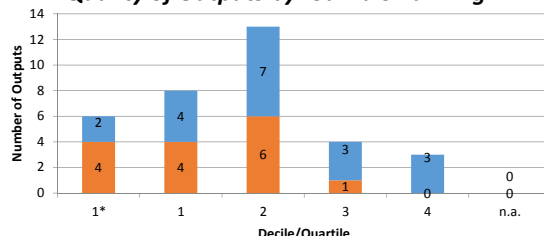
**Quality Profile**



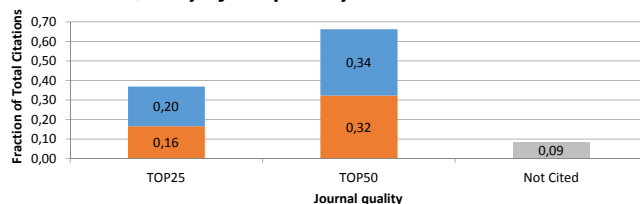
**Quality of Outputs by Number of Citations**



**Quality of Outputs by Journals Ranking**



**Quality of Outputs by Citation Sources**



**Field Structure of Outputs**

Field Structure of Outputs	Outputs
CHEMISTRY, ORGANIC	16
CHEMISTRY, MEDICINAL	5
BIOCHEMISTRY & MOLECULAR BIOLOGY	5
CHEMISTRY, MULTIDISCIPLINARY	3
MULTIDISCIPLINARY SCIENCES	2
CHEMISTRY, PHYSICAL	2
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.

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**RESULTS OF THE PHASE I. AND BIBLIOMETRIC PARAMETERS**

**Institute:** Institute of Organic Chemistry and Biochemistry of the CAS, v. v. i.

**Team:** Ullrich Jahn - Chemistry of Natural Products

**Head:** Ullrich Jahn

**Total number of outputs :** 49      **Evaluated outputs :** 10 (0)      **Outputs for bibliometry :** 40      **Large collaborations outputs:** 0

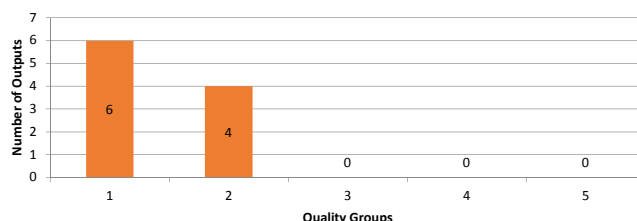
**Quality Groups of Outputs (Results of the Phase I.)**

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

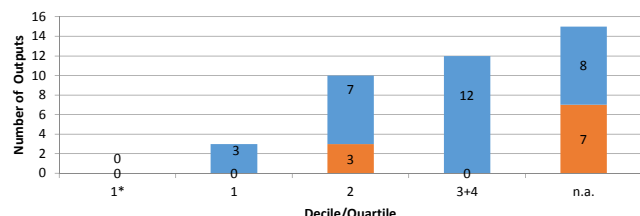
**Quality Groups:**

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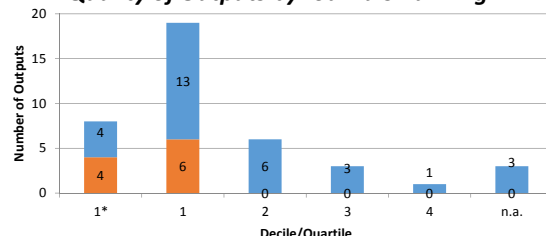
**Quality Profile**



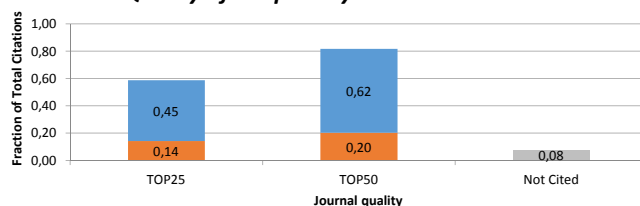
**Quality of Outputs by Number of Citations**



**Quality of Outputs by Journals Ranking**



**Quality of Outputs by Citation Sources**



**Field Structure of Outputs**

Field Structure of Outputs	Outputs
CHEMISTRY, MULTIDISCIPLINARY	18
CHEMISTRY, ORGANIC	13
BIOCHEMISTRY & MOLECULAR BIOLOGY	3
PHARMACOLOGY & PHARMACY	2
ENTOMOLOGY	1
SPECTROSCOPY	1
ECOLOGY	1
CHEMISTRY, APPLIED	1

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