

## Автобиография

| <b>Собствено име(на) Фамилия(и)</b>                           | <b>АЛЕКСАНДЪР РУМЕНОВ ЛУКАНОВ</b>   |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
|---|---|-----------|---------------------------------|--------------------|---------------------------------|-------------------------------|---------------------------------|--------|---------------------------------|--------|--|---------|--|--------|--|--------------------|--|-------------------------------|--|--|--|----|----------------------------|----|----------------------------|----|----------------------------|----|----------------------------|----|----------------------------|----|---------------------------------|----|---------------------------------|----|---------------------------------|----|---------------------------------|----|---------------------------------|----|----------------------------|----|----------------------------|----|---------------------------------|----|---------------------------------|----|---------------------------------|
| Адрес(служебен)   | Минно-геоложки университет "Св. Иван Рилски", София 1700, Студентски град, Катедра Инженерна геоекология  |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| Мобилен (незадължително)                                      | +359/89 568 9461 +81/48 829 7441 (Япония)   |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| E-mail  | <a href="mailto:alex_loukanov@yahoo.com">alex_loukanov@yahoo.com</a> <a href="mailto:loukanov@mail.saitama-u.ac.jp">loukanov@mail.saitama-u.ac.jp</a>   |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| Дата на раждане, Място  | 02 април 1981 г., гр. Берковица, обл. Монтана, България.  |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| <b>Длъжност(и) (в момента)</b>                                |   |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| Дати  | Ноември 2012 →  |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| <b>Заемана длъжност или позиция</b>                           | <b>Доцент</b>   |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| Име и адрес на работодателя                                   | Минно-геоложки университет "Св. Иван Рилски", Студентски град, София 1700.  |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| Дати  | Октомври 2014 →   |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| <b>Заемана длъжност или позиция</b>                           | <b>Доцент</b>   |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| Име и адрес на работодателя                                   | Университета Сайтама, Шимо-окубо 255, Сакура-ку, Сайтама 338-8570, Япония   |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| <b>Образование и обучение</b>                                 |   |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| Дати  | 07.04.2017  |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| Придобитата квалификация                                      | <b>ДОКТОР НА НАУКИТЕ</b> (№ ДН-02 издадена на 21.04.2017 г.)  |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| Образователна институция                                      | Минно-геоложки университет "Св. Иван Рилски", БЪЛГАРИЯ  |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| Дати  | 24.03.2009  |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| Придобитата квалификация                                      | <b>ДОКТОР</b> (диплома № 082660, приравнена с шифър 01.06.17, удостоверение № 2007-ВАК от 22.03.2010 г.)  |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| Образователна институция                                      | Университета Сокендай, Хаяма 240-0193, ЯПОНИЯ   |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| <b>Чужд (и) език (езици)</b>                                  | <b>Руски, Английски</b>   |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| Самооценка  |   |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| Европейско ниво (*)   |   |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| <b>Английски</b>  |   |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| <b>Японски</b>  |   |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| <b>Руски</b>  |   |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
|   | <table border="1"> <thead> <tr> <th colspan="4">Разбиране</th> <th colspan="4">Говорене</th> <th colspan="2">Писане</th> </tr> <tr> <th colspan="2">Слушане</th> <th colspan="2">Четене</th> <th colspan="2">Участие в разговор</th> <th colspan="2">Самостоятелно устно изложение</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td>C2</td> <td>Свободно ниво на владееене</td> <td>C2</td> <td>Свободно ниво на владееене</td> <td>C2</td> <td>Свободно ниво на владееене</td> <td>C2</td> <td>Свободно ниво на владееене</td> <td>C2</td> <td>Свободно ниво на владееене</td> </tr> <tr> <td>B1</td> <td>Самостоятелно ниво на владееене</td> <td>B1</td> <td>Самостоятелно ниво на владееене</td> <td>B1</td> <td>Самостоятелно ниво на владееене</td> <td>B1</td> <td>Самостоятелно ниво на владееене</td> <td>A1</td> <td>Самостоятелно ниво на владееене</td> </tr> <tr> <td>C1</td> <td>Свободно ниво на владееене</td> <td>C1</td> <td>Свободно ниво на владееене</td> <td>B1</td> <td>Самостоятелно ниво на владееене</td> <td>B1</td> <td>Самостоятелно ниво на владееене</td> <td>B1</td> <td>Самостоятелно ниво на владееене</td> </tr> </tbody> </table> | Разбиране |                                 |                    |                                 | Говорене                      |                                 |        |                                 | Писане |  | Слушане |  | Четене |  | Участие в разговор |  | Самостоятелно устно изложение |  |  |  | C2 | Свободно ниво на владееене | C2 | Свободно ниво на владееене | C2 | Свободно ниво на владееене | C2 | Свободно ниво на владееене | C2 | Свободно ниво на владееене | B1 | Самостоятелно ниво на владееене | B1 | Самостоятелно ниво на владееене | B1 | Самостоятелно ниво на владееене | B1 | Самостоятелно ниво на владееене | A1 | Самостоятелно ниво на владееене | C1 | Свободно ниво на владееене | C1 | Свободно ниво на владееене | B1 | Самостоятелно ниво на владееене | B1 | Самостоятелно ниво на владееене | B1 | Самостоятелно ниво на владееене |
| Разбиране   |   |           |                                 | Говорене           |                                 |                               |                                 | Писане |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| Слушане   |   | Четене    |                                 | Участие в разговор |                                 | Самостоятелно устно изложение |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| C2  | Свободно ниво на владееене  | C2        | Свободно ниво на владееене      | C2                 | Свободно ниво на владееене      | C2                            | Свободно ниво на владееене      | C2     | Свободно ниво на владееене      |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| B1  | Самостоятелно ниво на владееене   | B1        | Самостоятелно ниво на владееене | B1                 | Самостоятелно ниво на владееене | B1                            | Самостоятелно ниво на владееене | A1     | Самостоятелно ниво на владееене |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| C1  | Свободно ниво на владееене  | C1        | Свободно ниво на владееене      | B1                 | Самостоятелно ниво на владееене | B1                            | Самостоятелно ниво на владееене | B1     | Самостоятелно ниво на владееене |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
|   | (*) <a href="#">Единни европейски критерии за познания по езици</a>   |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| <b>Професионална информация и приложения</b>                  |   |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| Области на професионални и научни интереси (ключови думи)     | Екологично-съвместими нанобиотехнологии за опазване на околната среда<br>Дизайн и получаване на наномашини  |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| Рецензент   | Advanced Material Letters   |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| Членство в професионални и браншови организации               | Вице-президент на Европейската асоциация нанонауки и нанотехнологии<br>Член на съюза на учените в България и Американското общество на химиците   |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |
| Страница 1 / 7 - Автобиография на Луканов, Александър Руменов | За повече информация <a href="http://europass.cedefop.europa.eu">http://europass.cedefop.europa.eu</a><br>© Европейски Общности, 2003 20060628  |           |                                 |                    |                                 |                               |                                 |        |                                 |        |  |         |  |        |  |                    |  |                               |  |  |  |    |                            |    |                            |    |                            |    |                            |    |                            |    |                                 |    |                                 |    |                                 |    |                                 |    |                                 |    |                            |    |                            |    |                                 |    |                                 |    |                                 |

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| Публикации   | <b>Приложение 1</b>  |
| Проекти  | <b>Приложение 2</b>  |
| Участие в научни сесии и конгреси (за последните 5 години) | 1 <sup>st</sup> International Conference on Nanotechnology: Theory & Application, 2018, Cairo, Egypt<br>International Conference on Nanobiotechnology & Nanoregulations, 2017, Chicago, USA.<br>International conference on functional nanomaterials and nanodevices, 2017, Budapest.<br>2 <sup>nd</sup> Global nanotechnology congress and expo, 2016, Las Vegas, USA.<br>Pacifichem 2015, Honolulu, Hawaii, USA.   |
| Специализации в чужбина (за последните 5 години)           | 2018 г. Щатен Университет на Ню Йорк, SUNY, САЩ.<br>2017 г. Университета Арканзас, САЩ.<br>2016 г. Унгарската академия на науките, Будапеща, Унгария.  |
| Други професионални компетенции                            | Лекционни курсове за магистри в МГУ “Св. Иван Рилски” – България:<br>Химия на околната среда, Биосензори и биоиндикатори, Екотоксикология, Биохимия, Генетика, Ензимология, Основи на биотехнологията.<br><br>Лекционни курсове за бакалаври в Университета Сайтама – Япония:<br>Основи на нанобиотехнологията, Екологична химия, наномедицина.<br><br>Лекционни курсове в Университета Арканзас – САЩ:<br>Наномедицина и нанофармакология.<br><br>Над 220 цитати регистрирани в Scopus Citation Tracker, $h_{index} = 9$<br><b><u>Общ импакт фактор = 66.652</u></b><br><br>Координатор на програма за академичен обмен между МГУ “Св. Иван Рилски” – България и Университета Сайтама – Япония.<br><br>Научен ръководител на двама редовно зачислени докторанти и един постдокторант. |

## I. Research articles traceable by web of Science or Scopus

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#### Приложение 2

#### ПРОЕКТИ за периода 2010-2019

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| 01/04/16 – 01/03/18 | "Multi-electron transfer in supramolecular nanosystems", International joint research project between Japanese Society for Promotion of Science - Japan and Hungarian Academy of Sciences<br>Principal Investigator           |
| 01/05/16 – 30/04/17 | "Carbon quantum dots for photodynamic therapy"<br>Principal Investigator<br>Matsumae Foundation & Local fund of Saitama University  |
| 20/12/10 – 01/07/13 | Project № DDVU 02/36-20.12.2010 Title: "Purification of wastewaters from textile industry by nanostructured oxides and biotechnologies."<br>Project Leader<br>Funded by Bulgarian National Science Fund                       |
| 01/05/13 – 01/09/13 | Project № BG051PO001-3.3.05-0001<br>Title: "Development of microbial fuel cell for xenobiotic transformation from wastewater by introducing catalytic nanomaterials"<br>Funded by Bulgarian Ministry of Science and Education |