



Dr. Syed Baker

Ph.D, Microbiology (Indo-Finnish), Post Doct (Russia)

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Hard Skills

- Microbial Technologies
- Bionanotechnology
- Antimicrobial agents
- Pathology
- Endosymbionts
- Nanobactericides
- Scientific writing
- Career Mapping

Soft Skills

- Observation
- Decision making
- Communication
- Multi-tasking
- Intellectual thinking

Education Background

- Ph.D
*Completed in 2015 in Microbiology
University of Mysore*
- M.Sc
*Completed in 2007 in Microbiology
University of Mysore*
- B.Sc
*Completed in 2005 in Chemistry, Zoology,
Microbiology, University of Mysore*

Professional ID's

Scopus Author ID: 57073303500
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https://www.researchgate.net/profile/Syed_Baker
<https://scholar.google.co.in/citations?user=vDUA3lgAAAAJ&hl=en>

- **Students Guided: 101 Students**
- **GenBank deposit: 41**
- **Conferences attended: 25**
- **Invited Lectures : 20**

About Me

Dedicated Young Researcher and Academician with 13 years of National and International Experience in the field of Microbiology and Applied Sciences. My vision is to "bring the science to the society" with advanced scientific technologies. Teaching has always been my passion and wish to excellence. I am always dedicated towards my noble profession that involves imparting knowledge, skills, and values to students. As a faculty, my role is crucial in shaping the future of the nation by educating and inspiring the next generation.

Professional Experience

- **2021–Present:** Asst. Professor at Department of Studies in Microbiology, Karnataka State University
- **2019–2020:** Research Scientist at Krasnoyarsk State Medical University, Russia
- **2016–2018:** Docent/Senior Researcher at Siberian Federal University
- **2015–2016:** Research Associate ICMR
- **2014–2015:** Senior Research Fellow ICMR
- **2013–2014:** Exchange Researcher CIMO Finland
- **2010–2013:** UGC–Project Fellow
- **2007–2009:** CFTRI Project Fellow

Achievements

- 2016 Young Research Scientist–Post doctoral award under 5–100 Project, Ministry of Russia
- 2015 National Post–doctoral Fellowship, SERB, India
- 2012 CIMO, Funded by Government of Finland
- 2011 Best Poster at International Conference

Publications

- 53 Published (42 articles, 4 Book Chapters, 7 Books) *
- Cumulative Impact factor: 90.777*
- Citations : 1731*, h index: 18, I index: 27 *Subjected to increase

Projects Completed

- Bioprospecting of endophytic flora from Finnish medicinal plants for bioactive compounds
- Development of Bioconjugated drugs from endophytes against multi drug resistant microorganism
- Development of glucose biosensor
- Development of immuno sensor for monitoring pesticides in water and liquid samples
- üBarcoding of Siberian Plants for endosymbionts and biological activities
- Synthesizing nanobactericides against ESKAPE multi drug resistant pathogens

Dr. Syed Baker

Ph.D, Microbiology (Indo-Finnish), Post Doct (Russia)



Curriculum vitae

1. Name	Dr. SYED BAKER
2. Current position	Assistant Professor Department of Studies in Microbiology KSOU, Mukthagangotri, Mysore
3. Email(s) and contact number(s)	syedbaker3@gmail.com , sb.nano41@gmail.com +91 9845542016; +91-9538354137 https://www.researchgate.net/profile/Syed_Baker
4. Scientific details	Scopus Author ID: 57073303500 https://orcid.org/0000-0003-0554-8764 https://www.mendeley.com/profiles/syed-baker/ https://www.researchgate.net/profile/Syed_Baker https://scholar.google.co.in/citations?user=vDUA3IgAAAAJ&hl=en
5. Date of Birth	29/11/1984
6. Gender(M/F)	Male
7. Nationality	Indian
8. Total Publications	53 Published (42 articles, 4 Book Chapters, 7 Books) *
9. Cumulative Impact Factor	90.777*
10. Average Publications per Year (2011-2023)	5.2
11. Citations	1731*, h index: 18, I index: 27

***Subjected to increase**

12. Academic Qualification:

Degree	Year	Subject	University
Ph.D	2015	Microbiology	University of Mysore
M.Sc	2007	Microbiology	University of Mysore
B.Sc	2005	Chemistry, Zoology, Microbiology	University of Mysore

13. Ph.D Thesis Title: “Bioprospecting of endophytic bacteria in synthesis of nanoparticles and antimicrobial activity”

14. Recipients of Awards:

Name of Award	Awarding Agency	Year
1. Young Research Scientist-Post doctoral award under 5-100 Project	Siberian Federal University Funded by “The Ministry of Education and Science of the Russian Federation”	2016
2. National Post doctoral Fellow	Department of Science and Technology, Government of India	2015
3. Research Associate	Indian Council of Medical Research, Government of India	2014
4. Senior Research Fellow	Indian Council of Medical Research, Government of India	2013
5. Exchange researcher 6. Finnish pool scholarship program	CIMO, Funded by Government of Finland	2012
7. Best Poster	Modern College of Sciences	2011

15. Professional Experience

Position held	Name of the Institute	From	To
Project assistant	Central Food Technological Research Institute, Mysore	30.11.2007	31.12.2007
Project assistant	Central Food Technological Research Institute, Mysore	17.09.2008	27.06.2009
Project Fellow UGC-MRP	University of Mysore, Mysore	13.05.2010	29.11.2014
Exchange researcher	University of Oulu, Finland	07.09.2013	22.06.2014
Research Associate	SJCE, engineering college	01.08.2015	31.03.2016
Senior Researcher/Associate Professor	Siberian Federal University, Krasnoyarsk, Russia	21.06.2016	20.06. 2018
Research Scientist	Krasnoyarsk State Medical University	20.07.2019	21.07.2020
Assistant Professor	Karnataka State Open University, Mysore	05.11.2021	Till date

16. Teaching experience:

Type	Organization	Department	Year
1. Assisting theory and practical sessions for post-graduation	University of Mysore, India	Microbiology-Medical Microbiology and Pathology	2010-2015
2. Handling and design of Bachelor and Master course	Siberian Federal University, Russia	Microbiology, Biotechnology and Bio-nanotechnology	2016-2018
3. Course design for MBBS students	Krasnoyarsk State Medical University	Microbiology	2018-2019

17. Project involved and executed

- ✓ Bioprospecting of endophytic flora from Finnish medicinal plants for bioactive compounds
- ✓ Isolation and characterization of antimicrobial potential from endophytes

- ✓ Development of Bioconjugated drugs from endophytes against multi drug resistant microorganism
- ✓ Development of glucose biosensor
- ✓ Development of immuno sensor for monitoring pesticides in water and liquid samples
- ✓ Barcoding of Siberian Plants for endosymbionts and biological activities
- ✓ Synthesizing nanobactericides against ESKAPE multi drug resistant pathogens

18. Project Submitted for evaluation as Co-PI

Project Title	Funding Agency
Synthesis, Characterization and Agronomic evaluation of Bionano-hybrid Agroflakes for Sustainable Agricultural Applications	SERB-CORE
Endosymbiotic approach to develop nanoconjugates for sustainable agriculture: Degradation of pollutants and reduction of greenhouse gases	SERB-SUPRA

19. Dissertation completed: 101 Students

20. Publications list (Title of paper, authors, Journal details, pages, year etc.):

1. Manju, K., Ranjini, H. K., Raj, S. N., Nayak, S. C., Chouhan, R. S., Prasad, A., Harini, B. P., Prasad, M. N. N., Satish, S., & **Baker, S.** (2022). Monkeypox viruses: Resurgence of global threat to mankind. *Journal of Pure and Applied Microbiology*, 16(suppl 1), 2989–2999. <https://doi.org/10.22207/jpam.16.spl1.20>
2. Lakshmi, S., **Baker, S.**, Shivamallu, C., Prasad, A., Syed, A., Veerapur, R., Shiva Prasad, K., Al-Kheraif, A. A., Devang Divakar, D., Elgorban, A. M., & Nagendra Prasad, M. N. (2021). Biosorption of oxybenzene using biosorbent prepared by raw wastes of Zea Mays and comparative study by using commercially available activated carbon. *Saudi Journal of Biological Sciences*, 28(6), 3469–3476. <https://doi.org/10.1016/j.sjbs.2021.03.012>
3. Chouhan, R. S., Jerman, I., Heath, D., Bohm, S., Gandhi, S., Sadhu, V., **Baker, S.**, & Horvat, M. (2020). Emerging tri-s-triazine-based Graphitic Carbon Nitride: A potential

signal-transducing nanostructured material for sensor applications. *Nano Select*, 2(4), 712–743. <https://doi.org/10.1002/nano.202000228>

4. **Baker, S.**, Olga, P., Tatiana, R., Nadezhda, P., Tatyana, G., Tatyana, R., Saveleva, E., Olga, K., Elizaveta, G., Karina, G., Ekaterina, U., Anastasia, S., & Margarita, P. (2020). Phyto-nano-hybrids of AG-cuo particles for antibacterial activity against drug-resistant pathogens. *Journal of Genetic Engineering and Biotechnology*, 18(1). <https://doi.org/10.1186/s43141-020-00068-0>
5. **Baker, S.**, Perianova, O. V., Prudnikova, S. V., Kuzmin, A., Potkina, N. K., Khohlova, O. Y., & Lobova, T. I. (2020). Phyto-genic nanoparticles to combat multi drug resistant pathogens and photocatalytic degradation of Dyes. *BioNanoScience*, 10(2), 486–492. <https://doi.org/10.1007/s12668-020-00727-z>
6. **Baker, S.**, Nagendra Prasad, M. N., Chouhan, R. S., Mohan Kumar, K., & Satish, S. (2020). Development of bioconjugated nano-molecules against targeted microbial pathogens for enhanced bactericidal activity. *Materials Chemistry and Physics*, 242, 122292. <https://doi.org/10.1016/j.matchemphys.2019.122292>
7. **Syed, B.**, Prudnikova, S. V., Perianova, O. V., Zharkov, S. M., Kuzmin, A., Chouhan, R. S., Potkina, N. K., Khohlova, O. Y., Lobova, T. I., & Singh, M. (2019). Phyto-genic synthesis of AG Bionano-antibiotics against Eskape drug resistant communities in Krasnoyarsk, Siberia. *Journal of Cluster Science*, 30(3), 589–597. <https://doi.org/10.1007/s10876-019-01518-7>
8. **Baker, S.**, Prudnikova, S. V., Shumilova, A. A., Perianova, O. V., Zharkov, S. M., & Kuzmin, A. (2019). Bio-functionalization of phyto-genic AG and zno nanobactericides onto cellulose films for bactericidal activity against multiple drug resistant pathogens. *Journal of Microbiological Methods*, 159, 42–50. <https://doi.org/10.1016/j.mimet.2019.02.009>
9. Prasad, A., **Baker, S.**, Nagendra Prasad, M. N., Devi, A. T., Satish, S., Zameer, F., & Shivamallu, C. (2019). Phyto-genic synthesis of silver nanobactericides for anti-biofilm activity against human pathogen *H. pylori*. *SN Applied Sciences*, 1(4). <https://doi.org/10.1007/s42452-019-0362-2>
10. **Baker, S.**, & Perianova, O. V. (2019). Bio-nanobactericides: An emanating class of nanoparticles towards combating multi-drug resistant pathogens. *SN Applied Sciences*, 1(7). <https://doi.org/10.1007/s42452-019-0715-x>

11. **Syed, B.**, Nagendra Prasad, M. N., Mohan Kumar, K., & Satish, S. (2018). Bioconjugated nano-bactericidal complex for potent activity against human and phytopathogens with concern of global drug resistant crisis. *Science of The Total Environment*, 637-638, 274–281. <https://doi.org/10.1016/j.scitotenv.2018.04.405>
12. **Baker, S.**, Volova, T., Prudnikova, S. V., Shumilova, A. A., Perianova, O. V., Zharkov, S. M., Kuzmin, A., Olga, K., Bogdan, K., Shidlovskiy, I. P., Potkina, Z. K., Khohlova, O. Y., & Lobova, T. I. (2018). Bio-hybridization of nanobactericides with cellulose films for effective treatment against members of ESKAPE multi-drug-resistant pathogens. *Applied Nanoscience*, 8(5), 1101–1110. <https://doi.org/10.1007/s13204-018-0717-9>
13. **Baker, S.**, Prudnikova, S. V., & Volova, T. (2018). Siberian plants: Untapped repertoire of bioactive endosymbionts. *Frontiers in Biology*, 13(3), 157–167. <https://doi.org/10.1007/s11515-018-1483-5>
14. **Syed, B.**, Karthik, N., Bhat, P., Bisht, N., Prasad, A., Satish, S., & Prasad, M. N. N. (2019). Phyto-biologic bimetallic nanoparticles bearing antibacterial activity against human pathogens. *Journal of King Saud University - Science*, 31(4), 798–803. <https://doi.org/10.1016/j.jksus.2018.01.008>
15. **Baker, S.**, Volova, T., Prudnikova, S. V., Satish, S., & Prasad M.N., N. (2017). Nanoagroparticles Emerging Trends and future prospect in modern agriculture system. *Environmental Toxicology and Pharmacology*, 53, 10–17. <https://doi.org/10.1016/j.etap.2017.04.012>
16. **Syed, B.**, M.N., N. P., K., M. K., B.L., D., & Satish, S. (2017). Endo-symbiont mediated synthesis of gold nanobactericides and their activity against human pathogenic bacteria. *Environmental Toxicology and Pharmacology*, 52, 143–149. <https://doi.org/10.1016/j.etap.2017.03.016>
17. **Syed, B.**, Bisht, N., S. Bhat, P., R., N. K., Prasad, A., B.L., D., S., S., Prasad, H., & M.N., N. P. (2017). Phyto-genic synthesis of nanoparticles from *Rhizophora mangle* and their bactericidal potential with DNA damage activity. *Nano-Structures & Nano-Objects*, 10, 112–115. <https://doi.org/10.1016/j.nanoso.2017.03.011>
18. **Syed, B.**, M.N., N. P., B.L., D., K., M. K., S., Y., & S., S. (2016). Synthesis of silver nanoparticles by endosymbiont *Pseudomonas fluorescens* ca 417 and their bactericidal activity. *Enzyme and Microbial Technology*, 95, 128–136. <https://doi.org/10.1016/j.enzmictec.2016.10.004>

19. Rakshith, D., Santosh, P., Pradeep, T. P., Gurudatt, D. M., **Baker, S.**, Yashavantha Rao, H. C., Pasha, A., & Satish, S. (2016). Application of bioassay-guided fractionation coupled with a molecular approach for the dereplication of antimicrobial metabolites. *Chromatographia*, 79(23-24), 1625–1642. <https://doi.org/10.1007/s10337-016-3188-8>
20. **Syed, B.**, Nagendra Prasad, M. N., & Satish, S. (2019). Synthesis and characterization of silver nanobactericides produced by *Aneurinibacillus Migulanus* 141, a novel endophyte inhabiting *Mimosa Pudica* L. *Arabian Journal of Chemistry*, 12(8), 3743–3752. <https://doi.org/10.1016/j.arabjc.2016.01.005>
21. Satisha, S., **Syed, B.**, & Prasad, N. M. N. (2016). Endogenic mediated synthesis of gold nanoparticles bearing bactericidal activity. *Journal of Microscopy and Ultrastructure*, 4(3), 162. <https://doi.org/10.1016/j.jmau.2016.01.004>
22. **Syed, B.**, Yashavantha Rao, H. C., Nagendra-Prasad, M. N., Prasad, A., Harini, B. P., Azmath, P., Rakshith, D., & Satish, S. (2016). Biomimetic synthesis of silver nanoparticles using endosymbiotic bacterium inhabiting *euphorbia hirta* L. and their bactericidal potential. *Scientifica*, 2016, 1–7. <https://doi.org/10.1155/2016/9020239>
23. **Baker, S.**, Kavitha, K. S., Yashavantha Rao, H. C., Rakshith, D., Harini, B. P., Kumar, K., & Satish, S. (2015). Bacterial endo-symbiont inhabiting *tridax procumbens* L. and their antimicrobial potential. *Chinese Journal of Biology*, 2015, 1–6. <https://doi.org/10.1155/2015/309267>
24. **Baker, S.**, Pasha, A., & Satish, S. (2017). Biogenic nanoparticles bearing antibacterial activity and their synergistic effect with broad spectrum antibiotics: Emerging strategy to combat drug resistant pathogens. *Saudi Pharmaceutical Journal*, 25(1), 44–51. <https://doi.org/10.1016/j.jsps.2015.06.011>
25. **Baker, S.**, & Satish, S. (2015). Biosynthesis of gold nanoparticles by *Pseudomonas veronii* AS41G inhabiting *Annona squamosa* L. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 150, 691–695. <https://doi.org/10.1016/j.saa.2015.05.080>
26. **Baker, S.**, Mohan Kumar, K., Santosh, P., Rakshith, D., & Satish, S. (2015). Extracellular synthesis of silver nanoparticles by novel *Pseudomonas veronii* AS41G inhabiting *Annona squamosa* L. and their bactericidal activity. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 136, 1434–1440. <https://doi.org/10.1016/j.saa.2014.10.033>

27. Azmath, P., **Baker, S.**, Rakshith, D., & Satish, S. (2016). Mycosynthesis of silver nanoparticles bearing antibacterial activity. *Saudi Pharmaceutical Journal*, 24(2), 140–146. <https://doi.org/10.1016/j.jsps.2015.01.008>
28. **Baker, S.**, Vinayaka, A. C., Manonmani, H. K., & Thakur, M. S. (2012). Development of dipstick-based immuno-chemiluminescence techniques for the rapid detection of dichlorodiphenyltrichloroethane. *Luminescence*, 27(6), 524–529. <https://doi.org/10.1002/bio.1389>
29. **Baker, S.**, & Satish, S. (2013). Antimicrobial evaluation of fluorescent *Pseudomonas* sp. Inhabiting medicinal plant *Annona squamosa* L. *Journal of Pure and Applied Microbiology*, 1027-1033.
30. **Syed Baker**, Rakshith, D., Kavitha, K.S., Santosh, P., Kavitha, H.U., Rao, Y & Satish.S.(2013). Plants: Emerging as nanofactories towards facile route in synthesis of nanoparticles. *Bioimpacts*. 111-117.

List of papers published in Peer reviewed International and National Journals

31. **Syed, B.**, Prasad, M. N. N., Rao, H. C. Y., Rakshith, D., Maithri, B., Kavitha, K. S., Azmath, P., Kavitha, H. U., Harini, B. P., Kumar, K., Zarei, M., & Satish, S. (2015). Actinomycetic symbionts inhabiting *euphorbia hirta* L. with antimicrobial potentials. *Journal of Biologically Active Products from Nature*, 5(6), 419–426. <https://doi.org/10.1080/22311866.2015.1137489>
32. Rao, H. C. Y., **Baker, S.**, Rakshith, D., & Satish, S. (2015). Molecular profiling and antimicrobial potential of endophytic *gliomastix polychroma* clb32 inhabiting *combretum latifolium* blume. *Mycology*, 6(3-4), 176–181. <https://doi.org/10.1080/21501203.2015.1113207>
33. **Baker, S.**, Harini, B. P., Rakshith, D., & Satish, S. (2013). Marine microbes: Invisible nanofactories. *Journal of Pharmacy Research*, 6(3), 383–388. <https://doi.org/10.1016/j.jopr.2013.03.001>
34. Kavitha, K.S., **Baker, S.**, Rakshith, D., Harini, B.P., & Satish, S. (2013), Plant as Green Source towards Synthesis of Nanoparticles. *International Research Journal of Biological Sciences*. 66-76.

35. **Baker, S.**, & Satish. S., (2012), Endophytes: Towards a vision in synthesis of Nanoparticle for future therapeutic agents. *International Journal of Bio-inorganic hybrid nanomaterials*. 67-77.
36. **Baker, S.**, & Satish, S. (2012), Endophytes: Natural warehouse of bioactive compounds, *Drug Invention today*. 548-553.
37. **Baker, S.**, Sahana, S., Rakshith, D., Kavitha, H.U., Kavitha, K. S., & Satish, S. (2012), Biodecaffeination by endophytic *Pseudomonas sp.* Isolated from coffee arabica L, *Journal of Pharmacy Research*. 3654-3657
38. Baseri, M.K., & **Baker, S.** (2012), Identification of cellular components of medicinal plants using FTIR, *Romanian Journal of Biophysics*. 277-284.
39. **Baker, S.**, Santosh, P., Rakshith, D., & Satish, S. (2012), Screening of bacterial endophytes inhabiting *Mimosa pudica* L, *Scientific Journal of Microbiology*. 136-140.
40. **Baker, S.**, & Satish, S. (2012), Antimicrobial activity and biosynthesis of nanoparticles by endophytic bacterium inhabiting *Coffee arabica* L, *Scientific Journal of Biological Sciences*. 107-113.
41. Zarei, M., & **Bakers, S.** (2013), Effect of *Hemidesmus indicus* root extract on the blood glucose level in alloxan induced diabetic rats, *Journal of Microbiological & Biotechnology research*. 64-67
42. Zarei, M., **Baker, S.**, & Komal, K.J. (2013), Cardioprotective effect of the root extract of *Hemidesmus indicus* against doxorubicin- induces oxidative stress in mice, *Der Pharmacia Lettre*. 334-339.

Book Chapter's

43. **Syed Baker**, K.S. Kavitha, P. Azmath, D. Rakshith, B.P. Harini, S. Satish. Book Chapter: Plant diversity: envisioning untold nanofactories for biogenic synthesis of nanoparticles and their applications. Editors: Ansari, A. A., Gill, S. S., Abbas, Z. K., & Naeem, M. (2017). Book Title: *Plant Biodiversity: Monitoring, Assessment and Conservation*. CABI.
44. **Syed Baker**, P. Azmath, H.C. Yashavantha, D. Rakshith, K.S. Kavitha, S. Satish. Book Chapter: Plant Associated Endophytic Plethora an Emerging Source of Antimicrobial Potentials. Editors: Ansari, A. A., Gill, S. S., Abbas, Z. K., & Naeem, M. (2017). Book Title: *Plant Biodiversity: Monitoring, Assessment and Conservation*. CABI.

45. K.S. Kavitha, **Dr. Syed Baker**, D. Rakshith, P. Azmath, S. Satish. Book Chapter: Plant Diversity Repertoire of Bioactive Triterpenoids. Editors: Ansari, A. A., Gill, S. S., Abbas, Z. K., & Naeem, M. (2017). Book Title: *Plant Biodiversity: Monitoring, Assessment and Conservation*. CABI.
46. **Syed Baker**, Sreedharamurthy Satish, Nagendra Prasad, Raghuraj Singh Chouhan, Chapter 12 - Nano-agromaterials: Influence on plant growth and crop protection, Editor(s): Sabu Thomas, Yves Grohens, Yasir Beeran Pottathara, In *Micro and Nano Technologies, Industrial Applications of Nanomaterials*, Elsevier, 2019, Pages 341-363.

Book's

47. **Syed Baker**. COVID-19: Pandemic update 2020. PhDians Publisher
48. **Syed Baker**. Lock down Life 2020. PhDians Publisher
49. Dr. Niranjan Raj.S and **Dr. Syed Baker**. Basics of Microbiology, Students learning guide, 2022. PhDians Publisher
50. Dr. Niranjan Raj. S and **Dr. Syed Baker**. Microbial Nanotechnology and its applications, 2023. Ambhisphere Publisher
51. Dr. Niranjan Raj.S and **Dr. Syed Baker**. Vaccine and its Importance, 2023. PhDians Publisher
52. Dr. Niranjan Raj. S, **Dr. Syed Baker**, Dr. Ravindra K. N, Dr. Krishnamurthy. KSOU: Open Life Sciences, 2023. Ambhisphere Publisher
53. Ms. Shayista, **Dr. Syed Baker**, and Dr. Niranjan Raj. S. Bioelectricity, 2023. Ambhisphere Publisher

21. Citation

Citation index	Total
Citation	1713*
h-index	18
i10-index	27

***Subject to increase based on the citations**

<https://scholar.google.co.in/citations?user=vDUA3IgAAAAJ&hl=en>

22. Editorial board member/Reviewer:

- International Journal of Pharmacology and Pharmaceutical Technology
- International Journal of Modern Biology and Medicine
- International Journal of Pharmaceutical Research and Allied Sciences
- Scholarly Journals
- Chronicles of Young Scientists
- Advances in Applied and Pharmaceutical Sciences Journal (AAPSJ)

23. Conferences attended and participated: 25

24. GenBank deposit

41 microbial strains isolated, genotypically characterized and deposited at GenBank, NIH genetic sequence database.

I hereby solemnly declare that the above information given by me is true and best of my knowledge

(SYED BAKER)