

## DEPARTMENT OF COMMERCE RESEARCH PERFORMANCE PROGRESS REPORT (RPPR)

Forinstructions please visit

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AWARD INFORMATION					
1. Federal Agency:	2. Federal Award Number:				
3. Project Title:					
AwardPeriod of Performance Start Date:	5. AwardPeriod of Performance End Date:				
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR					
6. Last Nameand Suffix	7. Firstand MiddleName:				
8. Title:					
9. Email:	10. Phone Number:				
AUTHORIZING OFFICIAL					
11. Last Name and Suffix:	12. Firstand Middle Name:				
13. Title:					
14. Email:	15. Phone Number:				
REPORTING INFORMATION					
Signature of Submitting Official:					
16. Submission Date and Time Stamp:	17. Reporting Period End Date:				
18. Reporting Frequency:	19. Report Type:				
Annual	Not Final				
SemiAnnual	Final				
Quarterly					

OMB Number: 0690-0032 Expiration Date: 08/31/2021

ACCOMPLISHMENTS
24. What were the major goals and objectives of this project?
25. What was accomplished under these goals?
26. What opportunities for training and professional development has the project provided?
27. How were the results disseminated to communities of interest?
28. What do you plan to do during the next reporting period to accomplish the goals and objectives?
PRODUCTS  20. Publications, conference pages, and presentations
29. Publications, conference papers, and presentations
30. Technologies or techniques
31. Inventions, patent applications, and/or licenses
32. Other products

PARTICIPANTS & OTHER COLLABORATING ORGANIZATIONS  33. What individuals have worked on this project?						
33. What individuals have worked on this project?						

43. What was the impact on society beyond science and technology?
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44. )
CHANGES/PROBLEMS
45. Changes in approach and reasons for change
46. Actual or anticipated problems or delays and actions or plans to resolve them
47. Changes that had a significant impact on expenditures
-17. Onlyinges that had a significant impact on experialities
49. Cignificant changes in use or care of human publicate vertabrate enimals, higher-order and/or colort agents
48. Significant changes in use or care of human subjects, vertebrate animals, biohazards, and/or select agents
49. Change of primary performance site location from that originally proposed
PROJECT OUTCOMES
50. What were the outcomes of the award?